APPENDIX A

NOTICE OF PREPARATION (NOP) AND COMMENT LETTERS

Notice of Preparation

SUBJECT: Notice of Preparation of a Draft Environmental Impact Report for the John Smith

Road Landfill Expansion

Lead Agency:

Agency Name: County of San Benito Planning and Land Use Division of the Resources Management

Agency

Address: 2301 Technology Parkway

Hollister, CA 95023

The County of San Benito Planning and Land Use Division of the Resources Management Agency will be the lead agency and will prepare an environmental impact report (EIR) for the project identified below, in accordance with the process set forth in an agreement with the applicant. We need to know the views of your agency as to the scope and content of the environmental information which is germane to your agency's statutory responsibilities in connection with the proposed project. Your agency may need to use the EIR prepared by our agency when considering your permit or other project approval.

The project description, location and the potential environmental effects are contained in the attached materials. This information is also posted on the County's website at: https://www.cosb.us/departments/resource-management-agency/planning-and-land-use-division.

Due to the time limits mandated by State law, your response must be sent at the earliest possible date, but not later than **30 days after receipt of this notice.** Please send your response to Stan Ketchum, Principal Planner, at the address shown above or at Sketchum@cosb.us. We will need the name of a contact person in your agency.

Pursuant to the public participation goals of CEQA, the County, in its role as lead agency, will hold two public scoping meetings to allow an opportunity for the public and representatives of the public agencies and other organizations to provide input on the scope of the EIR. The meetings will be held as virtual Zoom meetings. The scoping meeting schedule and Zoom meeting instructions are included on the following page.

Project Title: John Smith Road Landfill Expansion

Project Applicant: Waste Solutions Group of San Benito, LLC

Date: February 22, 2021 Signature:

Stan Ketchum, Principal Planner

Telephone: (831) 637-5313

Reference: California Code of Resources, Title 14, (CEQA Guidelines) Sections 15082(a), 15103, 15375

Public Scoping Meetings Zoom Instructions

Topic: Public Scoping Meeting for the John Smith Road Landfill Expansion Environmental Impact Report

Time: Mar 10, 2021 02:00 PM Pacific Time (US and Canada)

Join Zoom Meeting

https://zoom.us/j/98161618293?pwd=TlhYSzlKZjlKWm1wTjdZc0tvR2lUdz09

Meeting ID: 981 6161 8293

Passcode: 457359 One tap mobile

+16699006833,,98161618293# US (San Jose) +14086380968,,98161618293# US (San Jose)

Dial by your location

- +1 669 900 6833 US (San Jose)
- +1 408 638 0968 US (San Jose)
- +1 346 248 7799 US (Houston)
- +1 253 215 8782 US (Tacoma)
- +1 301 715 8592 US (Washington DC)
- +1 312 626 6799 US (Chicago)
- +1 646 876 9923 US (New York)

Meeting ID: 981 6161 8293

Find your local number: https://zoom.us/u/abIWP0nelx

Topic: Public Scoping Meeting for the John Smith Road Landfill Expansion Environmental Impact Report

Time: Mar 11, 2021 06:00 PM Pacific Time (US and Canada)

Join Zoom Meeting

https://zoom.us/j/93747153162?pwd=Ynd0WXJGV3ZCcHFkdkFZSFNvRWJyQT09

Meeting ID: 937 4715 3162

Passcode: 326148 One tap mobile

+14086380968,,93747153162# US (San Jose) +16699006833,,93747153162# US (San Jose)

Dial by your location

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- +1 646 876 9923 US (New York)

Meeting ID: 937 4715 3162

NOTICE OF PREPARATION

DATE: February 22, 2021

TO: Agencies and Interested Parties

FROM: San Benito County Planning and Land Use Division

SUBJECT: Notice of Preparation of a Draft Environmental Impact Report for the John Smith Road

Landfill Expansion Project

REVIEW PERIOD: February 22, 2021 to March 23, 2021

The San Benito County Planning and Land Use Division is the lead agency and will prepare an Environmental Impact Report (EIR) for the John Smith Road Landfill Expansion Project (proposed project). The project is being proposed by Waste Solutions of San Benito, LLC and is described in detail below. In compliance with the California Environmental Quality Act (CEQA) (Public Resources Code [PRC] Section 21000 et seq.), the Planning and Land Use Division is distributing this Notice of Preparation (NOP) to the Office of Planning and Research, each responsible agency, interested parties, and federal agencies involved in approving the project, and to trustee agencies responsible for natural resources affected by the project.

PURPOSE OF THIS NOTICE OF PREPARATION

In accordance with the State CEQA Guidelines (14 California Code of Regulations [CCR] Section 15082), the Planning and Land Use Division has prepared this NOP to inform agencies and interested parties that an EIR will be prepared for the proposed project. The purpose of an NOP is to provide sufficient information about the proposed project and its potential environmental impacts to allow agencies and interested parties the opportunity to provide a meaningful response related to the scope and content of the EIR, including mitigation measures that should be considered and alternatives that should be addressed (State CEQA Guidelines 14 CCR Section 15082[b]).

PROJECT LOCATION

The proposed project site is located at the John Smith Road Landfill (JSRL) and on lands directly east, north and west of the JSRL (Figure 1). The JSRL is located at 2650 John Smith Road approximately 2 miles directly east of the eastern boundary of the City of Hollister. The site is located in a hilly rural area east of the Hollister Valley and west of the rural Santa Ana Valley in unincorporated San Benito County. Access to the site is provided from John Smith Road.

The existing 95.16-acre JSRL includes two parcels owned by San Benito County that total 90.05 acres (Assessor Parcel Numbers [APN] 025-190-073 and 025-190-074) and one 5.11-acre parcel owned by the City of Hollister (APN 025-190-072). The two county-owned parcels contain an operating Class III landfill. Class III landfills only accept non-hazardous waste for disposal. The City of Hollister parcel includes a closed Class I waste disposal area covering less than an acre. Class I landfills may accept both hazardous and nonhazardous wastes for disposal. The County also owns 101.3 acres directly south of the JSRL and John Smith Road (APN 025-190-075) (Figure 2).

PROJECT DESCRIPTION

The proposed project includes a 388.05-acre expansion of the existing 95.16-acre JSRL. This expansion would increase the landfill's disposal capacity, expand the total waste footprint, increase the maximum permitted elevation of the final landfill, and increase the maximum permitted daily tonnage accepted at the JRSL.

To accommodate these changes, several operational changes are also being proposed. These include expanding the landfill entrance area to accommodate additional daily vehicle arrivals and reduce vehicle queuing on John Smith Road, expanding areas for recycling and the County's Household Hazardous Waste program, establishing

an area for the future installation of a gas-to-energy facility, and clean closing the current Class I area owned by the City of Hollister and converting it to a disposal area for Class III waste. Additionally, the proposed project would potentially include the use of a portion of the San Benito County property located south of John Smith Road for habitat mitigation purposes. See Figures 2 and 3 for additional explanation of the proposed project.

These proposed project components are described in more detail below.

Landfill Area and Capacity Expansion

The proposed project includes expanding the existing 95.16-acre landfill onto a 388.05-acre parcel surrounding the landfill on the east, north and west, the ownership of which is proposed to be transferred to the County. The proposed expansion would increase the landfill's disposal capacity from approximately 9.35 million cubic yards to 58 million cubic yards. This expansion would increase the waste footprint from 58 acres to 253 acres, with the remaining acreage used for roads, soil stockpiles, stormwater detention basins, and open space/habitat mitigation. In addition to expanding the landfill footprint, the maximum permitted elevation of the final landfill would increase to 949 feet above mean sea level (MSL), a 29-foot increase above the current permitted elevation of 920 feet MSL. The anticipated site life of the project would vary depending on the final waste density and the long-term waste acceptance rate. However, the remaining site life would be expected to range between 50 and 100 years.

Soil from the landfill footprint would be excavated to create individual waste disposal modules and the excavated soil would be used to form perimeter berms, and for daily, intermediate, and final landfill cover. Excavated soil would be stored on the site in stockpiles and the locations of these stockpiles would vary over time depending upon the site's operational needs.

Both permanent and temporary stormwater basins would be constructed and used during the winter for sediment retention and to store stormwater. Stored stormwater would typically be used for dust suppression and for construction purposes. As required by Title 27 CCR, stormwater conveyances and basins would be designed to accommodate a 24-hour, 100-year rainfall event.

As required by State and Federal standards, the existing groundwater, surface-water, landfill-gas monitoring, and leachate collection and recovery systems would be expanded incrementally, based on landfill sequencing and development, into the expansion area.

If habitat preservation or restoration is necessary to offset biological impacts associated with the proposed landfill expansion, a 70-acre area of the 101.3-acre County property located south of John Smith Road is available and may be used for these purposes. If used as habitat mitigation, these lands would include a conservation easement with a management plan that would ensure they are protected in perpetuity.

Increase in Permitted Tonnage Limit

The proposed project would increase the landfill's permitted daily tonnage limit from 1,000 tons per day to 2,300 tons per day for waste to be buried. The tonnage for materials that would not be buried at the site, including recyclables, materials for beneficial re-use, and direct transfer materials, would not be included in this total. On average, these materials add approximately 25% to the total tonnage of materials delivered to the site.

Site Traffic Changes

Refuse delivered by the general public in small loads typically make up the majority of the vehicle trips to the site, especially on weekends. Large commercial loads comprise the largest tonnage but only a fraction of the total loads received. In 2019, 78% of the tonnage received at the landfill was imported in large trucks from areas outside San Benito County. The significant increase in daily tonnage allowed will generate a proportionate increase in the number of long-distance trips by the commercial trucks importing out-of-county waste. Increases in vehicle miles travelled (VMT)and associated air quality and green-house gas (GHG) emissions are expected to occur.

Site records indicate the largest number of trips do not occur on the days when the highest tonnage is received. Over the past four years (2016-2019 calendar years), all the peak traffic days occurred on Saturdays,

predominantly comprised of local public loads. The San Benito Regional Transportation Plan for 2040 (RTP) forecasts a population growth of 32% between 2015 and 2040 for San Benito County. Using the highest peak-traffic-day over the past four years of 499 trips (2017) and the projected growth reflected in the RTP, the projected peak-traffic-day through 2040 would be 659 vehicles per day entering the site on a weekend. This represents an increase of 59 vehicles over the existing Solid Waste Facility Permit's daily limit of 600 vehicles.

Landfill Entrance Expansion

The project proposes to increase the size of the landfill entrance area from approximately 2.7 acres to 7.3 acres and would provide: (1) a larger area for recycling and the County household hazardous waste (HHW) facility, (2) a larger area for employee and visitor parking, (3) an area for a truck wheel wash facility to ensure mud and debris are not tracked onto John Smith Road, (4) an area for equipment maintenance, and (5) an area for a future landfill gas-to-energy facility (once the landfill generates enough landfill gas to support such a facility).

The revised entrance would increase the queuing length during operating hours from the current 800 feet to 820 feet and provide two inbound lanes when needed, thereby almost doubling the queuing capacity. It also provides the geometry to add second entrance and exit scales in the future so that two vehicles can be weighed at the same time, both inbound and outbound, thereby doubling the transaction capacity.

The new entrance area would be constructed by excavating roughly 240,000 cubic yards of weathered bedrock. This soil would be used to construct access roads and a visual berm in the landfill expansion area or stockpiled for future use.

Landfill Gas-to-Energy Facility

Landfill gas is generated through the anaerobic (without oxygen) decay of organic materials buried within landfills. Landfill gas typically contains 50 to 60 percent methane, which is the primary constituent of natural gas. Landfill gas is currently combusted in an on-site landfill-gas flare. The proposed project will ultimately include the installation of a landfill gas-to-energy facility once sufficient landfill gas is being generated at the site to make the facility economically viable. The landfill is projected to be generating sufficient landfill gas to support a landfill gas-to-energy facility within approximately five years. The landfill gas-to-energy facility is proposed to be located northeast of the gatehouse near the landfill entrance area.

Class I Area Clean Closure

The 5.11-acre parcel owned by the City of Hollister that contains a closed Class 1 disposal facility of less than one acre is proposed to be converted to a disposal area for Class III waste. The existing stockpiled soil that is located on this parcel would be used in ongoing landfill operations. After all of the stockpiled soil is used, a clean closure plan would be prepared for approval by the California Department of Toxic Substances Control and the Central Coast Regional Water Quality Control Board. The clean closure plan would identify how contaminated materials would be managed. Compliance sampling would be required to confirm clean closure of the Class I site. Once all Class I waste was removed, the area would be converted into a Class III waste disposal module. This would include installing a landfill liner and leachate collection and removal system, similar to other Class III modules at the project site. This component of the project would only be implemented if determined to be cost effective. The City of Hollister owns this parcel and has indicated their willingness for the clean closure, as well as future re-use of the site for the Class III disposal location.

Queuing Length is the distance from the intersection of the entrance road and John Smith Road to the gatehouse and represents the length of entrance roadway on which vehicles can line up to enter the facility without backing up vehicle traffic on John Smith Road.

REQUIRED PERMITS AND APPROVALS

The project would need the following discretionary approvals from the County.

General Plan Amendment

The existing JSRL has a General Plan land use designation of Public/Quasi-Public (PQP) and the 388.05-acre expansion site currently has two land use designations: Rangeland (RG) and Agriculture (A). The proposed project includes a General Plan amendment to change the designation of the expansion site to PQP to be consistent with the existing JSRL and to accommodate the proposed waste disposal activities. The PQP land use designation allows, among other uses, landfills, recycling, and resource recovery facilities.

Conditional Use Permit

The existing JSRL and proposed expansion are within areas zoned Agriculture Production (AP) and Agricultural Rangeland (AR). The San Benito County Code sections §25.07.005 and §25.29.106 establish uses conditionally permitted within AR and AP zoned areas, including Governmental enterprises and/or private enterprise performing governmental functions (federal, state and local). The JSRL qualifies as a private enterprise performing a governmental function. As such, a Conditional Use Permit is required.

Transfer of Ownership to San Benito County

Upon project approval, the applicant will transfer ownership of the project site to the County.

Other Approvals

The project also may require approvals from other local, state, and federal governmental agencies, including the United States Fish and Wildlife Service (USFWS), California Department of Fish and Wildlife (CDFW), California Department of Toxic Substances and Regional Water Quality Control Board (RWQCB).

POTENTIAL ENVIRONMENTAL IMPACTS

The environmental issues to be addressed in the Draft EIR are anticipated to include those listed below. The Draft EIR will also identify detailed mitigation measures intended to minimize significant environmental impacts.

- Aesthetics
- Air Quality and Odors
- Cultural and Tribal Resources
- Geology, Soils, and Paleontology
- Hazards and Hazardous Materials
- Land Use and Planning
- Public Services
- Public Health and Safety
- Utilities and Service Systems

- Agricultural Resources
- Biological Resources
- Energy
- Greenhouse Gas Emissions and Climate Change
- Hydrology and Water Quality
- Noise
- Transportation/Traffic
- Wildfire

Other CEQA Sections, including alternatives, growth-inducing impacts, and cumulative Impacts

Aesthetics

The existing John Smith Road Landfill is a prominent visual feature in the nearby area and changes to the landfill and associated solid waste management operations anticipated with project implementation could alter the site's existing visual character.

Agricultural Resources

The expansion of the solid waste operations onto agricultural grazing lands would reduce the acres of land committed to agriculture within the County.

Air Quality and Odors

During project construction, criteria air pollutant emissions would be temporarily and intermittently generated. Operation of the proposed project would result in air pollutant emissions from the solid waste management operations and from vehicle trips generated by the project. Construction- and operations-related emissions could contribute to regional emissions. The expanded landfill operations could also change odor generation that could affect rural residents.

Biological Resources

Special-status plant or wildlife species could potentially occur on the project site. Implementation of the proposed project could result in disturbance or take of special- status species or disturbance or removal of suitable habitat for these species.

Cultural and Tribal Resources

Although no known prehistoric or historic resources have been identified on the project site, excavation activities necessary to construct landfill modules and other solid waste elements have the potential to disturb unknown archaeological or tribal cultural resources. Tribal consultation is required to occur as early as possible in the process.

Energy

The expansion in solid waste operations at the site would increase total energy demand both during project construction and operations. The construction of a landfill gas-to-energy facility could offset some of the energy demands of the landfill operations.

Geology, Soils, and Paleontology

The project site is situated in a seismically active geologic province. Soil disturbance activities associated with individual project elements could increase soil erosion or affect soil stability. The stability of the expanded landfill could be affected by seismic activities or soil instability. Also, excavation activities have the potential to expose unknown paleontological resources.

Greenhouse Gas Emissions and Climate Change

Greenhouse gas emissions are anticipated to be generated during project construction and operations. Emissions would be associated with vehicle trips, on-site equipment usage, increased energy demand, and ongoing and expanded solid waste operations.

Hazards and Hazardous Materials

The anticipated construction activities and expanded solid waste operations proposed at the site have the potential to increase the transport, use, and storage of hazardous materials that could represent a risk to the public.

Hydrology and Water Quality

Expansion of the solid waste disposal activities would alter the site's hydrology and could affect the quality of the water discharged from the site.

Land Use and Planning

The proposed project would alter land uses on the property that will be evaluated in the context of the policies included in the San Benito County General Plan and San Benito County Code.

Noise

The expanded construction and solid waste operations at the site would increase noise generation and introduce new noise sources that could affect rural residents.

Public Services

Project implementation could increase the demands on local fire protection, law enforcement, and road maintenance services.

Transportation/Traffic

The expanded construction and solid waste operations at the site would increase vehicle trips on local roadways associated with new passenger vehicle and truck haul trips, which would increase vehicle miles traveled, in particular with the potential increase in importation of out-of-county waste.

Utilities and Service Systems

The expanded construction and solid waste operations at the site would increase the demand on site utilities including water supply and wastewater services, and solid waste disposal.

Wildfires

The expansion of solid waste activities onto the surrounding grasslands could alter wildland fire risks within the

Cumulative Impacts

Implementation of the proposed project could potentially result in significant impacts to the above resource areas. When taken together with the effects of past projects, other current projects, and probable future projects, the project's contribution to the overall cumulative effect of all these activities could be considerable.

ALTERNATIVES TO BE EVALUATED IN THE EIR

In accordance with the State CEQA Guidelines (14 CCR Section 15126.6), the EIR will describe a range of reasonable alternatives to the proposed project that are capable of meeting most of the project's objectives, and that would avoid or substantially lessen any of the significant effects of the project. The EIR will also identify any alternatives that were considered but rejected by the lead agency as infeasible and briefly explain the reasons why. The EIR will provide an analysis of the No-Project Alternative and will also identify the environmentally superior alternative.

DOCUMENTS AVAILABLE FOR REVIEW

The NOP is available for public review at the following location:

San Benito County Planning and Land Use Division 2301 Technology Parkway Hollister, CA 95023-9174

The NOP is also available for public review on the Planning and Land Use Division's website: https://www.cosb.us/departments/resource-management-agency/planning-and-land-use-division

COMMENTS ON NOP

Agencies and interested parties may provide the Planning and Land Use Division with written comments on topics to be addressed in the EIR for the project. Because of time limits mandated by State law, comments must be provided at the earliest date possible but no later than 5:00 pm on February 8, 2021. Please direct all written comments to the following address:

San Benito County Planning and Land Use Division 2301 Technology Parkway Hollister, CA 95023-9174 Attention: Stan Ketchum Email: SKetchum@cosb.us

Agencies that will need to use the EIR when considering permits or other approvals for the proposed project should provide the name of a contact person. Comments provided by email should include "John Smith Road Landfill Expansion Project NOP" in the subject line and the name and address of the commenter in the email body.

All written comments pertaining to environmental issues received during the NOP comment period will be considered and addressed in the Draft EIR, which is anticipated to be available for public review in late spring 2021.

SCOPING MEETINGS

To assist in local participation, two Public Scoping Meetings will be held to present the proposed project and to solicit input from the public and responsible agencies on the content of the Draft EIR. The scoping meetings will be held virtually to minimize exposure to Covid-19. The Zoom meeting instructions are included on the following page.

Public Scoping Meetings Zoom Instructions

Topic: Public Scoping Meeting for the John Smith Road Landfill Expansion Environmental Impact Report

Time: Mar 10, 2021 02:00 PM Pacific Time (US and Canada)

Join Zoom Meeting

https://zoom.us/j/98161618293?pwd=TlhYSzlKZjlKWm1wTjdZc0tvR2lUdz09

Meeting ID: 981 6161 8293

Passcode: 457359 One tap mobile

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Find your local number: https://zoom.us/u/abIWP0nelx

Topic: Public Scoping Meeting for the John Smith Road Landfill Expansion Environmental Impact Report

Time: Mar 11, 2021 06:00 PM Pacific Time (US and Canada)

Join Zoom Meeting

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+1 312 626 6799 US (Chicago)

+1 646 876 9923 US (New York)

Meeting ID: 937 4715 3162

John Smith Road Landfill Expansion Project

List of Notice of Preparation Comment Letters and Location Where Issued Are Address in the Draft EIR

Commenter	Comment Summary	Location Where Comments Addressed in Draft EIR		
State Agencies				
California Department of Fish and Wildlife	The commenter raises concerns regarding potential species impacts.	The commenter is referred to Section 4.6, Biological Resources, for a discussion of species impacts.		
California Department of Toxic Substances Control (DTSC)	The commenter identifies DTSC's role as a responsible agency regarding the Class I Area.	The commenter is referred to Chapter 3, Project Description, for a discussion of the proposed project's clean closure activities within the Class I Area.		
California Department of Transportation	The commenter raises concerns regarding traffic and vehicle miles traveled.	The commenter is referred to Section 4.2, Traffic and Transportation, for a discussion of traffic impacts and vehicle miles traveled.		
CalRecycle Department of Resources Recycling and Recovery	The commenter requests that specific clarifications be provided in the project description.	The commenter is referred to Chapter 3, Project Description, for the requested clarifications.		
Native American Heritage Commission	The commenter identifies the regulatory requirements regarding historic resources and tribal cultural resources.	The commenter is referred to Section 4.7, Cultural Resources, for a discussion of the project's effects on historic resources and tribal cultural resources.		
Regional and Local Ag	gencies			
Best Road Mutual Water District	The commenter raises concerns regarding water quality.	The commenter is referred to Section 4.8, Hydrology and Water Quality, for a discussion of water quality impacts.		
County of Santa Clara	The commenter raises concerns regarding the project's haul route and operating schedule.	The commenter is referred to Chapter 3, Project Description, for a discussion of the project's haul route for out-of-County vehicles and operation schedule. The commenter is referred to Section 4.2, Traffic and Transportation, for a discussion of traffic impacts.		
Monterey Bay Air Resources District	The commenter raises concerns regarding potential air quality impacts.	The commenter is referred to Section 4.3, Air Quality and Section 4.4, Greenhouse Gas Emissions, for a discussion of air quality impacts.		
San Benito High School	The commenter raises concerns regarding potential health effects.	The commenter is referred to Section 4.3, Air Quality, for a discussion of health effects.		
Individuals				
Caitlin Bynum	The commenter raises concerns regarding the project's effects on	The commenter is referred to Section 4.2, Traffic and Transportation; Section		

	traffic, groundwater contamination and wildlife.	4.6, Biological Resources; and Section 4.12, Public Services, Utilities and Energy, for a discussion of these issues.
John Freeman	The commenter discusses the power generating capacity of the landfill and states that the recycling center at the site needs to be expanded. The commenter also recommends a transfer station be located in Hollister.	The commenter is referred to Chapter 3, Project Description, for a discussion of the project's components. For a discussion of a transfer station alternative, the commenter is referred to Chapter 6, Alternatives.
Kent Gordon et al.	The commenter raises concerns regarding the project objectives and the lack of alternatives to the proposed project. The commenter further raises concerns regarding the project's effects on traffic, air pollution, dust, odors, noise unsightly views, and groundwater contamination.	The commenter is referred to Chapter 3, Project Description, for a discussion of the project's objectives. The commenter is referred to Chapter 6, Alternatives, for a discussion of alternatives to the proposed project. The commenter is also referred to Section 4.2, Traffic and Transportation; Section 4.3, Air Quality; Section 4.5, Noise; Section 4.8, Hydrology and Water Quality; Section 4.10, Hazards, Hazardous Materials and Energy; and Section 4.11, Aesthetics, for a discussion of these issues.
Hydie McDonald	The commenter suggests that the landfill should only receive waste from San Benito County residents and that the County should consider other alternative locations. The commenter raises concerns regarding traffic, roadway wear, traffic noise, and litter from incorrectly tarped vehicles.	The commenter is referred to Chapter 3, Project Description, for a discussion of the project's objectives. The commenter is referred to Chapter 6, Alternatives, for a discussion of alternatives to the proposed project. The commenter is also referred to Section 4.2, Traffic and Transportation; Section 4.5, Noise; and Section 4.10, Hazards, Hazardous Materials and Energy, for a discussion of these issues.
Kathryn L. Oehlschlager, Downey Brand LLP	The commenter requests notification of any project developments.	The commenter will be notified of any project developments.
Tyler Siegert	The commenter raises concerns regarding the project's effects on hazardous intersection conditions, ground water contamination, wildlife, and road degradation. The commenter also asks who is proposing the project.	The commenter is also referred to Section 4.2, Traffic and Transportation; Section 4.6, Biological Resources; Section 4.8, Hydrology and Water Quality, for a discussion of these issues. The project proponent is Waste Solutions Group of San Benito, LLC.
Sally Silva	The commenter raises concerns regarding the project's effects on hazardous intersection conditions,	The commenter is also referred to Chapter 3, Project Description; Section 4.2, Traffic and Transportation; Section

	litter generation and its effects on	4.10, Hazards, Hazardous Materials and
	livestock, operating hours, and	Energy; and Section 4.11, Aesthetics, for
	visual impacts.	a discussion of these issues.
Sharon Thompson	The commenter raises concerns	The commenter is referred to Section
Sharon mompson	regarding the project's effects on	4.2, Traffic and Transportation; Section
	1	•
	traffic, roadway wear, noise,	4.5, Noise; Section 4.6, Biological
	wildlife, groundwater	Resources; Section 4.8, Hydrology and
	contamination, hazardous	Water Quality; Section 4.10, Hazards,
	resources, litter, and visual	Hazardous Materials and Energy;
	resources.	Section 4.11, Aesthetics; and Section
		4.12, Public Services, Utilities and
		Energy, for a discussion of these issues.
Lisa Tobias	The commenter asks about the	The discussion of financial issues is
	intended uses of the funds received	outside of the scope of this EIR. The
	by the County for out-of-County	commenter is referred to Chapter 3,
	waste disposal and what materials	Project Description, for a discussion of
	received from Santa Clara are being	the wastes received at the site and the
	disposed at the project site. The	project's objectives. For a discussion of a
	commenter also asks what benefit	transfer station alternative, the
	the project would provide to the	commenter is referred to Chapter 6,
	County and whether their will be a	Alternatives.
	transfer station at the site.	



April 1, 2021

Stan Ketchum
San Benito County Resource Management Agency
2301 Technology Parkway
Hollister, California 95023
sketchum@cosb.us

Subject: John Smith Road Landfill Expansion Project (Project)

Notice of Preparation (NOP)

State Clearinghouse No: 2021020371

Dear Mr. Ketchum:

The California Department of Fish and Wildlife (CDFW) received a NOP for a draft Environmental Impact Report from San Benito County for the above-referenced Project pursuant to the California Environmental Quality Act (CEQA) and CEQA Guidelines.¹

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, CDFW appreciates the opportunity to provide comments regarding those aspects of the Project that CDFW, by law, may be required to carry out or approve through the exercise of its own regulatory authority under Fish and Game Code. While the comment period may have ended, CDFW would appreciate if you will still consider our comments.

CDFW ROLE

CDFW is California's **Trustee Agency** for fish and wildlife resources and holds those resources in trust by statue for all the people of the State (Fish & G. Code, §§ 711.7, subd. (a) & 1802; Pub. Resources Code, § 21070; CEQA Guidelines § 15386, subd. (a)). CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species (*Id.*, § 1802). Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect fish and wildlife resources.

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¹ CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 15000.

CDFW is also submitting comments as a **Responsible Agency** under CEQA (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381). CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code. As proposed, for example, the Project may be subject to CDFW's lake and streambed alteration regulatory authority (Fish & G. Code, § 1600 et seq.). Likewise, to the extent implementation of the Project as proposed may result in "take" as defined by State law of any species protected under the California Endangered Species Act (CESA) (Fish & G. Code, § 2050 et seq.), related authorization as provided by the Fish and Game Code will be required.

Nesting Birds: CDFW has jurisdiction over actions with potential to result in the disturbance or destruction of active nest sites or the unauthorized take of birds. Fish and Game Code sections that protect birds, their eggs and nests include sections 3503 (regarding unlawful take, possession or needless destruction of the nest or eggs of any bird), 3503.5 (regarding the take, possession or destruction of any birds-of-prey or their nests or eggs), and 3513 (regarding unlawful take of any migratory nongame bird).

In this role, CDFW is responsible for providing, as available, biological expertise during public agency environmental review efforts (e.g., CEQA), focusing specifically on Project activities that have the potential to adversely affect fish and wildlife resources. CDFW provides recommendations to identify potential impacts and possible measures to avoid or reduce those impacts.

PROJECT DESCRIPTION SUMMARY

Proponent: Waste Solutions Group of San Benito, LLC

Objective: The proposed project includes a 388.05-acre expansion of the existing 95.16-acre John Smith Road Landfill (JSRL). This expansion would increase the landfill's disposal capacity, expand the total waste footprint, increase the maximum permitted elevation of the final landfill, and increase the maximum permitted daily tonnage accepted at the JRSL. To accommodate these changes, several operational changes are also being proposed. These include expanding the landfill entrance area to accommodate additional daily vehicle arrivals and reduce vehicle queuing on John Smith Road, expanding areas for recycling and the County's Household Hazardous Waste program, establishing an area for the future installation of a gas-to-energy facility, and clean closing the current Class I area owned by the City of Hollister and converting it to a disposal area for Class III waste. Additionally, the proposed project

would potentially include the use of a portion of the San Benito County property located south of John Smith Road for habitat mitigation purposes.

Location: The proposed project site is located at the JSRL and on lands directly east, north and west of the JSRL. The JSRL is located at 2650 John Smith Road approximately 2 miles directly east of the eastern boundary of the City of Hollister. The site is located in a hilly grassland/rural area east of the Hollister Valley and west of the rural Santa Ana Valley in unincorporated San Benito County.

Access to the site is provided from John Smith Road. The existing 95.16-acre JSRL includes two parcels owned by San Benito County that total 90.05 acres (Assessor Parcel Numbers [APN] 025-190-073 and 025-190-074) and one 5.11-acre parcel owned by the City of Hollister (APN 025-190-072). The two county-owned parcels contain an operating Class III landfill. Class III landfills only accept non-hazardous waste for disposal. The City of Hollister parcel includes a closed Class I waste disposal area covering less than an acre. Class I landfills may accept both hazardous and nonhazardous wastes for disposal. The County also owns 101.3 acres directly south of the JSRL and John Smith Road (APN 025-190-075).

Timeframe: N/A

COMMENTS AND RECOMMENDATIONS

CDFW offers the following comments and recommendations to assist San Benito County in adequately identifying and/or mitigating the Project's significant, or potentially significant, direct and indirect impacts on fish and wildlife (biological) resources. Editorial comments or other suggestions may also be included to improve the document.

There are several special-status resources that may utilize the Project site and/or surrounding area, and these resources may need to be evaluated and addressed prior to any approvals that would allow ground-disturbing activities. CDFW is concerned regarding potential impacts to special-status species including, but not limited to, the Federally endangered and State threatened San Joaquin kit fox (*Vulpes macrotis mutica*), the Federally and State threatened California tiger salamander (*Ambystoma californiense*), the State threatened tri-colored blackbird (*Agelaius tricolor*), the State Species of Special Concern American badger (*Taxidea taxus*) and the western spadefoot (*Spea hammondii*).

I. Environmental Setting and Related Impact

Would the Project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by CDFW or the United States Fish and Wildlife Service (USFWS).

COMMENT 1: San Joaquin Kit Fox (SJKF)

Issue: SJKF occurrences have previously been documented within the proposed Project boundary (CDFW 2021). The Project has the potential to temporarily disturb and permanently alter suitable habitat for SJKF and directly impact individuals if present during construction and other activities.

SJKF den in a variety of areas such as grassland, agricultural and fallow/ruderal habitat, and dry stream channels, and populations can fluctuate over time. SJKF are also capable of occupying urban environments (Cypher and Frost 1999). The Project site is

situated in a seismically active geologic province. Soil disturbance activities associated with individual Project elements could increase soil erosion or affect soil stability. The stability of the expanded landfill could be affected by seismic activities or soil instability. SJKF may be attracted to Project areas due to the type and level of ground-disturbing activities and the loose, friable soils resulting from intensive ground disturbance. SJKF will forage in grassland, fallow and agricultural fields and utilize stream channels as dispersal corridors. Santa Ana Creek is approximately 1.1-miles northwest of the Project site. As a result, there is potential for SJKF to occupy suitable habitat in the vicinity of the landfill area.

Specific impact: Without appropriate avoidance and minimization measures for SJKF, potential significant impacts associated with construction include habitat loss, den collapse, inadvertent entrapment, reduced reproductive success, reduction in health and vigor of young, and direct mortality of individuals.

Evidence impact is potentially significant: Habitat loss resulting from land conversion to agricultural, urban, and industrial development is the primary threat to SJKF (Cypher et al. 2013). The Project vicinity contains suitable habitat including grassland and a stream channel which could be utilized as a dispersal corridor. Therefore, subsequent ground-disturbing activities have the potential to significantly impact local SJKF populations.

Recommended Potentially Feasible Mitigation Measure(s)

To evaluate potential impacts to SJKF associated with subsequent land conversion, ground disturbance and construction, CDFW recommends conducting the following evaluation of the Project site, incorporating the following mitigation measures into the environmental impact report (EIR) prepared for this Project, and that these measures be made conditions of approval for the Project.

Recommended Mitigation Measure 1: SJKF Habitat Assessment

For all Project-specific components including construction and land conversion, CDFW recommends that a qualified biologist conduct a habitat assessment in advance of Project implementation, to determine if the Project area or its immediate vicinity contains suitable habitat for SJKF.

Recommended Mitigation Measure 2: SJKF Surveys

If suitable SJKF habitat is present on or adjacent to the Project site, CDFW recommends assessing presence/absence of SJKF by having qualified biologists conduct surveys of Project areas and a 500-foot buffer of Project areas to detect SJKF and their sign. CDFW also recommends following the USFWS "Standardized recommendations for protection of the San Joaquin kit fox prior to or during ground disturbance" (2011).

Recommended Mitigation Measure 3: SJKF Take Authorization

SJKF detection warrants consultation with CDFW to discuss how to avoid take or, if avoidance is not feasible, to acquire an Incidental Take Permit (ITP) prior to ground-disturbing activities, pursuant to Fish and Game Code section 2081 subdivision (b).

COMMENT 2: California Tiger Salamander (CTS)

Issue: CTS are known to occur in the vicinity of the Project area (CDFW 2021). Review of aerial imagery indicates the presence of several wetted/pond features in the Project's vicinity that have the potential to support breeding CTS. In addition, the Project area or its immediate surroundings may support small mammal burrows, a requisite upland habitat feature for CTS.

Specific Impacts: Aerial imagery shows that the proposed Project site has upland habitat which may function as breeding habitat. There is a pond approximately 1.3-miles east of the Project site, and another ponded area approximately 1-mile southwest that could provide breeding habitat. Potential ground- and vegetation-disturbing activities associated with Project activities could potentially include: collapse of small mammal burrows, inadvertent entrapment, loss of upland refugia, reduced reproductive success, reduction in health and vigor of eggs and/or young, and direct mortality of individuals. In addition, depending on the design of any activity, the Project has the potential to result in creation of barriers to dispersal.

Evidence impact would be significant: Up to 75% of historic CTS habitat has been lost to urban and agricultural development (Searcy et al. 2013). Loss, degradation, and fragmentation of habitat are the primary threats to CTS. Contaminants and vehicle strikes are also sources of mortality for the species (CDFW 2015, USFWS 2017). This Project would result in greater vehicle traffic entering and leaving the landfill due to the proposed expansion. Increased vehicle traffic could lead to an increase in vehicle strikes to this species, particularly during the rainy season. The Project site is within the range of CTS and has suitable habitat (i.e., grasslands interspersed with burrows and ponded areas). CTS have been determined to be physiologically capable of dispersing up to approximately 1.5 miles from seasonally flooded wetlands/ponds (Searcy and Shaffer 2011) and have been documented to occur near the Project site (CDFW 2021). Given the presence of suitable habitat potentially within, and adjacent to the Project site, ground-disturbing activities have the potential to significantly impact local populations of CTS.

Recommended Potentially Feasible Mitigation Measure(s)

Because suitable habitat for CTS is present in the vicinity of the Project site, CDFW recommends conducting the following evaluation of the Project site, incorporating the following mitigation measures into the environmental impact report (EIR) prepared for this Project, and that these measures be made conditions of approval for the Project.

Recommended Mitigation Measure 4: Focused CTS Protocol-level Surveys

CDFW recommends that a qualified biologist conduct protocol-level surveys in accordance with the USFWS "Interim Guidance on Site Assessment and Field Surveys for Determining Presence or a Negative Finding of the California Tiger Salamander" (USFWS 2003) at the appropriate time of year to determine the existence and extent of CTS breeding and refugia habitat. The protocol-level surveys for CTS require more than one survey season and are dependent upon sufficient rainfall to complete. As a result, consultation with CDFW and the USFWS is recommended well in advance of beginning the surveys and prior to any planned vegetation- or ground-disturbing activities. CDFW advises that the protocol-level survey include a 100-foot buffer around the Project area in all areas of wetland and upland habitat that could support CTS. Please be advised that protocol-level survey results are viable for two years after the results are reviewed by CDFW.

Recommended Mitigation Measure 5: CTS Avoidance

If CTS protocol-level surveys as described in Mitigation Measure 4 are not conducted, CDFW advises that a minimum 50-foot no-disturbance buffer be delineated around all small mammal burrows in suitable upland refugia habitat within and/or adjacent to the Project site. Further, CDFW recommends potential or known breeding habitat within and/or adjacent to the Project site be delineated with a minimum 250-foot no-disturbance buffer. Both upland burrow and wetland/pond breeding no-disturbance buffers are intended to minimize impacts to CTS habitat and avoid take of individuals. Alternatively, the applicant can assume presence of CTS within the Project site and obtain from CDFW a ITP in accordance with Fish and Game Code section 2081 subdivision (b).

Recommended Mitigation Measure 6: CTS Take Authorization

If through surveys it is determined that CTS are occupying or have the potential to occupy the Project site, consultation with CDFW is warranted to determine if the Project can avoid take. If take cannot be avoided as described in Mitigation Measure 5, take authorization would be warranted prior to initiating ground-disturbing activities to comply with CESA. Take authorization would occur through the acquisition of an ITP issued by CDFW, pursuant to Fish and Game Code section 2081 subdivision (b). As stated above, in the absence of protocol surveys, the applicant can assume presence of CTS within the Project site and obtain an ITP from CDFW.

Comment 3: Tri-colored Blackbird (TRBL)

Issue: TRBL occurrences have been documented near the Project site (CDFW 2021). Per CNDDB records, there was an occurrence of TRBL observed immediately south of the Project site previously. TRBL colonies require suitable nesting habitat, nearby freshwater, and nearby foraging habitat including semi-natural grasslands, agricultural

croplands or alkali scrub (Beedy et al. 2017). Habitat surrounding the Project area may provide suitable foraging habitat for TRBL and a pond located approximately 1.3-miles from the Project site, and another approximately 1-mile from the Project site, may be suitable nesting habitat.

Specific impact: Without appropriate avoidance and minimization measures for TRBL, potential significant impacts associated with Project activities include nest and/or colony abandonment, reduced reproductive success, and reduced health and vigor of eggs and/or young.

Evidence impact would be significant: The Project vicinity contains elements that have the potential to support TRBL nesting colonies. TRBL aggregate and nest colonially, forming colonies of up to 100,000 nests (Beedy et al. 2017). This species has been steadily declining due to annual breeding losses due to crop-harvesting activities, insufficient insect resources, and habitat loss due to land conversion for agriculture, rangeland, and urban development (Beedy et al. 2017).

Recommended Potentially Feasible Mitigation Measure(s)

To evaluate potential Project-related impacts to TRBL, CDFW recommends conducting the following evaluation of the Project site, incorporating the following mitigation measures into the environmental impact report (EIR) prepared for this Project, and that these measures be made conditions of approval for the Project.

Recommended Mitigation Measure 7: TRBL Surveys

CDFW recommends that Project activities be timed to avoid the normal bird breeding season (February 1 through September 15). However, if Project activities must take place during that time, CDFW recommends that a qualified wildlife biologist conduct surveys for nesting TRBL no more than 10 days prior to the start of implementation to evaluate presence/absence of TRBL nesting colonies in proximity to Project activities and to evaluate potential Project-related impacts.

Recommended Mitigation Measure 8: TRBL Avoidance

If an active TRBL nesting colony is found during preconstruction surveys, CDFW recommends implementation of a minimum 300-foot no-disturbance buffer in accordance with CDFW's "Staff Guidance Regarding Avoidance of Impacts to Tricolored Blackbird Breeding Colonies on Agriculture Fields in 2015" (CDFW 2015). CDFW advises that this buffer remain in place until the breeding season has ended or until a qualified biologist has determined that nesting has ceased, the birds have fledged, and are no longer reliant upon the colony or parental care for survival. It is important to note that TRBL colonies can expand over time and for this reason, the colony should be reassessed to determine the extent of the breeding colony within 10 days for Project initiation.

Recommended Mitigation Measure 9: TRBL Take Avoidance

In the event that a TRBL nesting colony is detected during surveys, consultation with CDFW is warranted to discuss how to implement the Project and avoid take, or if avoidance is not feasible, to acquire an ITP, pursuant to Fish and Game Code section 2081 subdivision (b), prior to any ground-disturbing activities.

COMMENT 4: American Badger (AMBA)

Issue: AMBA are known to occur in the Project vicinity (CDFW 2021). Badgers occupy sparsely vegetated land cover with dry, friable soils to excavate dens, which they use for cover, and that support fossorial rodent prey populations (i.e. ground squirrels, pocket gophers, etc.) (Zeiner et. al 1990). The area directly adjacent to the Project site may support these requisite habitat features, and with the landfill being expanded, the Project has the potential to impact AMBA.

Specific impact: Without appropriate avoidance and minimization measures for AMBA, potentially significant impacts associated with ground disturbance include direct mortality or natal den abandonment, which may result in reduced health or vigor of young.

Evidence impact is potentially significant: Habitat loss is a primary threat to AMBA (Gittleman et al. 2001). The Project has the expectation to expand, resulting in 388.05-acres of land conversion and potential habitat fragmentation. As a result, ground-disturbing activities have the potential to significantly impact local populations of AMBA.

Recommended Potentially Feasible Mitigation Measure(s)

To evaluate potential impacts to AMBA associated with the Project, CDFW recommends conducting the following evaluation of the Project site, incorporating the following mitigation measures into the EIR prepared for this Project, and that these measures be made conditions of approval for the Project.

Recommended Mitigation Measure 10: AMBA Surveys

If suitable habitat is present, CDFW recommends that a qualified biologist conduct focused surveys for AMBA and their requisite habitat features (dens) to evaluate potential impacts resulting from ground- and vegetation-disturbance.

Recommended Mitigation Measure 11: AMBA Avoidance

Avoidance whenever possible is encouraged via delineation and observation of a 50-foot no-disturbance buffer around dens until it is determined through non-invasive means that individuals occupying the den have dispersed.

COMMENT 5: Western spadefoot (WESP)

Issue: WESP inhabit grassland habitats, breed in seasonal wetlands, and seek refuge in upland habitat where they occupy burrows outside of the breeding season (Thomson et al. 2016). Review of aerial imagery indicates that the Project vicinity contains these requisite habitat elements.

Specific impact: WESP are known to occur in the area (CDFW 2021). There are several ponded areas and Santa Ana Creek near the Project area. Without appropriate avoidance and minimization measures for western spadefoot, potentially significant impacts associated with ground disturbance include; collapse of small mammal burrows, inadvertent entrapment, loss of upland refugia, reduced reproductive success, reduction in health and vigor of eggs and/or young, and direct mortality of individuals.

Evidence impact is potentially significant: Habitat loss and fragmentation resulting from agricultural and urban development is the primary threat to western spadefoot (Thomson et al. 2016). The Project area is within the range of western spadefoot, contains suitable upland habitat (i.e., grasslands interspersed with burrows) and breeding habitat (i.e., vernal pools/ponds and the seasonal creek listed previously). As a result, ground-disturbing activities associated with development/enlargement of the Project site have the potential to significantly impact local populations of this species.

Recommended Potentially Feasible Mitigation Measure(s)

To evaluate potential impacts to WESP associated with the Project, CDFW recommends conducting the following evaluation of the Project site, incorporating the following mitigation measures into the EIR prepared for this Project, and that these measures be made conditions of approval for the Project.

Recommended Mitigation Measure 12: WESP Surveys

CDFW recommends that a qualified biologist conduct focused surveys for WESP and their requisite habitat features to evaluate potential impacts resulting from ground- and vegetation-disturbance.

Recommended Mitigation Measure 13: WESP Avoidance

Avoidance whenever possible is encouraged via delineation and observance of a 50-foot no-disturbance buffer around burrows. If WESP are observed on the Project site, CDFW recommends that Project activities in their immediate vicinity cease and individuals be allowed to leave the Project site on their own accord. Alternatively, a qualified biologist with appropriate take authorization can move them out of harm's way and to a suitable location.

II. Editorial Comments and/or Suggestions

Nesting birds: CDFW encourages that Project implementation occur during the bird nonnesting season; however, if ground-disturbing or vegetation-disturbing activities must occur during the breeding season (February through mid-September), the Project applicant is responsible for ensuring that implementation of the Project does not result in violation of the Migratory Bird Treaty Act or relevant Fish and Game Codes as referenced above.

To evaluate Project-related impacts on nesting birds, CDFW recommends that a qualified wildlife biologist conduct pre-activity surveys for active nests no more than 10 days prior to the start of ground or vegetation disturbance to maximize the probability that nests that could potentially be impacted are detected. CDFW also recommends that surveys cover a sufficient area around the Project sites to identify nests and determine their status. A sufficient area means any area potentially affected by the Project. In addition to direct impacts (i.e., nest destruction), noise, vibration, and movement of workers or equipment could also affect nests. Prior to initiation of construction activities, CDFW recommends that a qualified biologist conduct a survey to establish a behavioral baseline of all identified nests. Once construction begins, CDFW recommends having a qualified biologist continuously monitor nests to detect behavioral changes resulting from the Project. If behavioral changes occur, CDFW recommends halting the work causing that change and consulting with CDFW for additional avoidance and minimization measures.

If continuous monitoring of identified nests by a qualified wildlife biologist is not feasible, CDFW recommends a minimum no-disturbance buffer of 250 feet around active nests of non-listed bird species and a 500-foot no-disturbance buffer around active nests of non-listed raptors. These buffers are advised to remain in place until the breeding season has ended or until a qualified biologist has determined that the birds have fledged and are no longer reliant upon the nest or on-site parental care for survival. Variance from these no-disturbance buffers is possible when there is compelling biological or ecological reason to do so, such as when the construction areas would be concealed from a nest site by topography. CDFW recommends that a qualified wildlife biologist advise and support any variance from these buffers and notify CDFW in advance of implementing a variance.

Federally Listed Species: CDFW recommends consulting with the USFWS on potential impacts to federally listed species including, but not limited to, San Joaquin kit fox and California tiger salamander. Take under the Federal Endangered Species Act (FESA) is more broadly defined than CESA; take under FESA also includes significant habitat modification or degradation that could result in death or injury to a listed species by interfering with essential behavioral patterns such as breeding, foraging, or nesting. Consultation with the USFWS in order to comply with FESA is advised well in advance of any ground-disturbing activities.

ENVIRONMENTAL DATA

CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a database which may be used to make subsequent or supplemental environmental determinations (Pub. Resources Code, § 21003, subd. (e)). Accordingly, please report any special-status species and natural communities detected during Project surveys to the California Natural Diversity Database (CNDDB). The CNDDB field survey form can be found at the following link:

https://www.wildlife.ca.gov/Data/CNDDB/Submitting-Data. The completed form can be mailed electronically to CNDDB at the following email address: CNDDB@wildlife.ca.gov. The types of information reported to CNDDB can be found at the following link: https://www.wildlife.ca.gov/Data/CNDDB/Plants-and-Animals.

FILING FEES

If it is determined that the Project has the potential to impact biological resources, an assessment of filing fees will be necessary. Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by CDFW. Payment of the fee is required in order for the underlying project approval to be operative, vested, and final (Cal. Code Regs, tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089).

CDFW appreciates the opportunity to comment on the Project to assist the City of Merced in identifying and mitigating the Project's impacts on biological resources.

More information on survey and monitoring protocols for sensitive species can be found at CDFW's website (https://www.wildlife.ca.gov/Conservation/Survey-Protocols). If you have any questions, please contact Kelley Nelson, Environmental Scientist, at the address provided on this letterhead, or by electronic mail at Kelley.Nelson@wildlife.ca.gov.

Sincerely,

Julie A. Vance Regional Manager

Attachment

LITERATURE CITED

California Department of Fish and Wildlife (CDFW). 2021. Biogeographic Information and Observation System (BIOS). https://www.wildlife.ca.gov/Data/BIOS. Accessed March 8, 2021.

SJKF Literature Citations

Cypher and Frost 1999

- Cypher, B. L., S. E. Phillips, P. A. Kelly, 2013. Quantity and distribution of suitable habitat for endangered San Joaquin kit foxes: conservation implications. Canid Biology and Conservation 16(7): 25–31.
- USFWS. 2011. Standard recommendations for the protection of the San Joaquin kit fox prior to or during ground disturbance. United States Fish and Wildlife Service, January 2011.

CTS Literature Citations

- CDFW. 2015. California Tiger Salamander Technical Review Habitat, Impacts and Conservation. California Department of Fish and Wildlife, October 2015.
- Searcy, C.A. and H.B. Shaffer. 2011. Determining the migration distance of a vagile vernal pool specialist: How much land is required for conservation of California tiger salamanders? *In* Research and Recovery in Vernal Pool Landscapes, D. G. Alexander and R. A. Schlising, Eds. California State University, Chico, California.
- Searcy, C.A., E. Gabbai-Saldate, and H.B. Shaffer. 2013. Microhabitat use and migration distance of an endangered grassland amphibian. Biological Conservation 158: 80-87. Shaffer, H. B., J. R. Johnson, and I. J. Wang. 2013. Conservation Genetics of California tiger salamanders. Final Report prepared for Central Valley Project Conservation Program, Bureau of Reclamation, Sacramento, California.
- USFWS. 2003. Interim Guidance on Site Assessment and Field Surveys for Determining Presence or a Negative Finding of the California Tiger Salamander, October 2003.
- United States Fish and Wildlife Service (USFWS), 2003. Interim Guidance on Site Assessment and Field Surveys for Determining Presence or a Negative Finding of the California Tiger Salamander, October 2003

USFWS. 2017. Recovery Plan for the Central California Distinct Population Segment of the California Tiger Salamander (*Ambystoma californiense*). U. S. Fish and Wildlife Service, Region 8, Sacramento, California. June 2017.

TRBL Literature Citations

- Beedy, E. C., W. J. Hamilton III, R. J. Meese, D. A. Airola, and P. Pyle. 2017. Tricolored Blackbird (*Agelaius tricolor*), version 3.0. *in* The birds of North America. P. G. Rodewald (Ed.). Cornell Lab of Ornithology, Ithaca, New York, USA. https://doi.org/10.2173/bna.tribla.03
- CDFW. 2015. Staff Guidance Regarding Avoidance of Impacts to Tricolored Blackbird Breeding Colonies on Agricultural Fields in 2015. March 19, 2015.
- Kelsey, R. 2008. Results of the tricolored blackbird 2008 census. Report submitted to U.S. Fish and Wildlife Service, Portland, OR, USA.
- Meese, R. J., E.C. Beedy, and W.J. Hamilton, III. 2014. Tricolored blackbird (Agelaius tricolor), The Birds of North America (P. G. Rodewald, Ed.). Ithaca: Cornell Lab of Ornithology; Retrieved from the Birds of North America: https://birdsna-org.bnaproxy.birds.cornell.edu/Species-Account/bna/species/tribla. Accessed December 15, 2017.
- Orians, G.H. 1961. The ecology of blackbird (*Agelaius*) social systems. Ecol. Monogr. 31:285-312.
- Weintraub, K., T.L. George, and S.J. Dinsmore. 2016. Nest survival of tricolored blackbirds in California's Central Valley. The Condor 118(4): 850–861.

AMBA Literature Citations

- Gittleman, J. L., S. M. Funk, D. MacDonald, and R. K. Wayne, 2001. Carnivore conservation. Cambridge University Press, Cambridge, United Kingdom.
- Zeiner, D. C., W. F. Laudenslayer, Jr, K. E. Mayer, and M. White. 1990. California's Wildlife Volume I-III. California Department of Fish and Game, editor. Sacramento, CA, USA.

WESP Literature Citations

Thomson, R. C., A. N. Wright, and H. Bradley Shaffer, 2016. California Amphibian and Reptile Species of Special Concern. California Department of Fish and Wildlife and University of California Press

Attachment 1

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE RECOMMENDED MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)

PROJECT: John Smith Road Landfill- NOP State Clearinghouse No: 2021020371

RECOMMENDED MITIGATION	STATUS/DATE/INITIALS			
MEASURE				
Before Disturbing Soil or Vegetation				
Mitigation Measure 1: SJKF Habitat				
Assessment				
Mitigation Measure 2: SJKF Surveys				
Mitigation Measure 4: Focused CTS Protocol-				
level Surveys				
Mitigation Measure 5: CTS Avoidance				
Mitigation Measure 7: TRBL Surveys				
Mitigation Measure 8: TRBL Avoidance				
Mitigation Measure 9: TRBL Take Avoidance				
Mitigation Measure 10: AMBA Surveys				
Mitigation Measure 11: AMBA Avoidance				
Mitigation Measure 12: WESP Surveys				
Mitigation Measure 13: WESP Avoidance				
During Construction				
Mitigation Measure 3: SJKF Take				
Authorization				
Mitigation Measure 6: CTS Take				
Authorization				

1 Rev. 2013.1.1





Jared Blumenfeld
Secretary for
Environmental Protection

Department of Toxic Substances Control



Meredith Williams, Ph.D.
Director
8800 Cal Center Drive
Sacramento, California 95826-3200

March 19, 2021

Via E-mail, No Hard Copy to Follow

Attention: Stan Ketchum San Benito County Planning and Land Use Division 2301 Technology Parkway Hollister, CA 95023

NOTICE OF PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE JOHN SMITH ROAD LANDFILL EXPANSION, STATE CLEARING HOUSE NUMBER 2021020371

Dear Mr. Ketchum:

The Department of Toxic Substances Control (DTSC) appreciates the opportunity to review and provide scoping input on the Notice of Preparation (NOP) for the John Smith Road Landfill Expansion, State Clearinghouse Number 2021020371. In the NOP, San Benito County as the lead agency has identified that DTSC will have a discretionary decision regarding implementation of a permit modification for clean closure of the John Smith Road Landfill Class 1 Area, and termination of the Hazardous Waste Facility Post-Closure Permit (Permitted Area).

Pursuant to California Code of Regulations (CCR), title 14, Section 15082 and California Public Resources Code (PRC) 21153, DTSC will participate in the development of the Environmental Impact Report (EIR) for the John Smith Road Landfill Expansion, (State Clearinghouse Number 2021020371) as a responsible agency pursuant to CCR, title 14, Section 15096. This letter serves as a response and a request for detailed consultation meeting to develop a robust description of DTSC's discretionary action to be included in the Draft EIR and subject to the Draft EIR's analysis, consistent with CCR, 14, Sections 15082(b)(2) and 15096(b)(2). This consultation will facilitate inclusion of the necessary detail and analysis to support DTSC's future decision in the certified EIR.

Mr. Stan Ketchum March 19, 2021 Page 2

DTSC looks forward to working with San Benito County to develop an EIR to support DTSC's discretionary decision-making relating to the Permitted Area. DTSC requests that the County direct any future communications regarding this project to Mr. Michael Zamudio (Phone: (916) 255-6535; Email: Michael.Zamudio@dtsc.ca.gov), located at the letterhead address.

If you have any questions regarding this letter, please contact me at (916) 255-6535 or at Michael.Zamudio@dtsc.ca.gov.

Sincerely,

Michael Zamudio

Michael Zamudio, P.E. Hazardous Substances Engineer Permitting Division Department of Toxic Substances Control

cc (via email):

State Clearinghouse

Mr. Trevor Pratt
Senior Environmental Planner
Permitting Division
Department of Toxic Substances Control
Trevor.Pratt@dtsc.ca.gov

Mr. Ryan W. Batty, P.E.
Unit Chief
Permitting Division
Department of Toxic Substances Control
Ryan.Batty@dtsc.ca.gov

DEPARTMENT OF TRANSPORTATION

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www.dot.ca.gov/dist05/



March 15, 2021

SBt-25-46.398 SCH#2021020371

Stan Ketchum Resource Management Agency 2301 Technology Parkway Hollister CA, 95023

Dear Mr. Ketchum:

COMMENTS FOR THE NOTICE OF PREPARATION (NOP) – JOHN SMITH ROAD LANDFILL EXPANSION, SAN BENITO COUNTY, CA

- 1. Caltrans supports local development that is consistent with State planning priorities intended to promote equity, strengthen the economy, protect the environment, and promote public health and safety. We accomplish this by working with local jurisdictions to achieve a shared vision of how the transportation system should and can accommodate interregional and local travel and development. Projects that support smart growth principles which include improvements to pedestrian, bicycle, and transit infrastructure (or other key Transportation Demand Strategies) are supported by Caltrans and are consistent with our mission, vision, and goals.
- 2. As a result of Senate Bill (SB) 743, effective July 2020 Caltrans replaced vehicle level of service (LOS) with vehicle miles traveled (VMT) as the primary metric for identifying transportation impacts from local development. Additionally, the Caltrans Transportation Impact Study Guide (TISG) replaces the Guide for the Preparation of Traffic Impact Studies (Caltrans, 2002) and is for use with local land use projects. The focus now will be on how projects are expected to influence the overall amount of automobile use instead of traffic congestion as a significant impact. For more information, please visit: https://dot.ca.gov/programs/transportation-planning/office-of-smart-mobility-climate-change/sb-743.
- 3. Employing VMT as the metric of transportation impact Statewide will help to promote Green House Gas (GHG) emission reductions consistent with SB 375

Stan Ketchum March 15, 2021 Page 2

and can be achieved through influencing on-the-ground development. Implementation of this change will rely, in part, on local land use decisions to reduce GHG emissions associated with the transportation sector, both at the project level, and in long-term plans (including general plans, climate action plans, specific plans, and transportation plans) and supporting Sustainable Community Strategies developed under SB 375. In addition to any site-specific access or safety concerns with the project, it is likely that the Caltrans correspondence will focus attention on meeting overall VMT reducing goals.

Thank you for the opportunity to review and comment on the proposed project. If you have any questions, or need further clarification on items discussed above, please contact me at (805) 835-6543 or at Christopher.Bjornstad@dot.ca.gov.

Sincerely,

Chris Bjornstad

Associate Transportation Planner District 5 Development Review

Christopher Bjornstad



Jared Blumenfeld
Secretary for Environmental Protection
Rachel Machi Wagoner
CalRecycle Director

March 22, 2021

Stan Ketchum, Principal Planner San Benito County Resource Management Agency Planning and Land Use Division 2301 Technology Parkway Hollister, CA 95023

Email: SKetchum@cosb.us

Subject: SCH No. 2021020371 – Notice of Preparation of a Draft Environmental Impact

Report for the John Smith Road Landfill Expansion - San Benito County (SWIS No.

35-AA-0001)

Dear Mr. Ketchum:

Thank you for allowing the Department of Resources Recycling and Recovery (CalRecycle) staff to provide comments on the proposed project and for your agency's consideration of these comments as part of the California Environmental Quality Act (CEQA) process.

PROJECT DESCRIPTION

San Benito County Resource Management Agency, Planning and Land Use Division, acting as Lead Agency, has prepared and circulated a Notice of Preparation (NOP) for a Draft Environmental Impact Report (EIR) in order to comply with CEQA and to provide information to, and solicit consultation with, Responsible Agencies in the approval of the proposed project.

The proposed project site is located at the John Smith Road Landfill (JSRL) and on lands directly east, north, and west of the JSRL. The JSRL is located at 2650 John Smith Road, approximately 2 miles directly east of the eastern boundary of the City of Hollister. The site is located in a hilly rural area east of the Hollister Valley and west of the rural Santa Ana Valley in unincorporated San Benito County. Access to the site is provided from John Smith Road. The existing 95.16-acre JSRL includes two parcels owned by San Benito County that total 90.05 acres (Assessor Parcel Numbers [APN] 025-190-073 and 025-190-074) and one 5.11-acre parcel owned by the City of Hollister (APN 025-190-072). The two county-owned parcels contain an operating Class III landfill. Class III landfills only accept non-hazardous waste for disposal. The City of Hollister parcel includes a closed Class I waste disposal area covering less than an acre. Class I landfills may accept both hazardous and nonhazardous wastes for disposal. The County also owns 101.3 acres directly south of the JSRL and John Smith Road (APN 025-190-075).

The proposed project includes expanding the existing 95.16-acre landfill onto a 388.05-acre parcel surrounding the landfill on the east, north and west, the ownership of which is proposed

to be transferred to San Benito County (County). The proposed project would increase the landfill's permitted daily tonnage limit from 1,000 tons per day (tpd) to 2,300 tpd for waste to be buried. The proposed expansion would increase the landfill's disposal capacity from approximately 9.35 million cubic yards to 58 million cubic yards. This expansion would increase the waste footprint from 58 acres to 253 acres, with the remaining acreage used for roads, soil stockpiles, storm water detention basins, and open space/habitat mitigation. In addition to expanding the landfill footprint, the maximum permitted elevation of the final landfill would increase to 949 feet above mean sea level (MSL), a 29-foot increase above the current permitted elevation of 920 feet MSL. The anticipated site life of the project would vary depending on the final waste density and the long-term waste acceptance rate. However, the remaining site life would be expected to range between 50 and 100 years.

To accommodate these changes, several operational changes are also being proposed. These include expanding the landfill entrance area to accommodate additional daily vehicle arrivals and reduce vehicle queuing on John Smith Road, expanding areas for recycling and the County's Household Hazardous Waste program, establishing an area for the future installation of a gas-to-energy facility, and clean closing the current Class I area owned by the City of Hollister and converting it to a disposal area for Class III waste. Additionally, the proposed project would potentially include the use of a portion of the San Benito County property located south of John Smith Road for habitat mitigation purposes.

COMMENTS

The proposed project description and analysis provided in the EIR should be clear and concise on the required Solid Waste Facility Permit (SWFP) parameters of: permitted operations, permitted hours of operation, permitted maximum tonnage, permitted traffic volume, permitted area (including the disposal area), design capacity, maximum elevation, maximum depth, and estimated closure year.

- 1. Specify if the 388.05-acre expansion will be the proposed total permitted acreage or if the 388.05 acres will be in addition to the currently permitted 90.36 acres.
- 2. The NOP states the landfill will be expanding from the existing 95.16 acres, yet the landfill is currently permitted for an area of 90.36 acres total. Please address this discrepancy.
- 3. JSRL is currently permitted for hours of operation for the public from 8:00 a.m. to 4:00 p.m., Monday through Friday and 9:00 a.m. to 3:00 p.m., Saturday and Sunday and for commercial from sunrise to sunset. Will there be any change in permitted hours of operation?
- 4. JSRL is currently permitted with a maximum depth of 665 feet MSL. Will there be any change in maximum depth?
- 5. Specify the estimated closure year, as the NOP states the remaining site life is expected to range between 50-100 years; is the 50-100 years from now or extended onto the currently permitted estimated closure date of 2025 at 850 tpd/2032 at 500 tpd?
- 6. Page 4, section titled "Increase in Permitted Tonnage Limit," states "The proposed project would increase the landfill's permitted daily tonnage limit from 1,000 tons per day to 2,300 tons per day for waste to be buried. The tonnage for materials that would

not be buried at the site, including recyclables, materials for beneficial reuse and direct transfer materials, would not be included in this total. On average, these materials add approximately 25% to the total tonnage of materials delivered to the site." Please clearly explain what would be the permitted maximum tonnage for the landfill and if any new activities will be included in the expansion.

- 7. Page 4, section titled "Site Traffic Changes," discusses site traffic changes and mentions an increase of 59 vehicles per day. The landfill is currently permitted for 600 vehicles per day. Will the proposed project's maximum permitted traffic volume be increased to 659 vehicles per day?
- 8. Page 6, section titled "Other Approvals," lists other approvals the project may require. This section should also include CalRecycle as a state governmental agency that is responsible for providing regulatory oversight.
- 9. If there will be any proposed changes in materials to be accepted at the landfill, include those materials in the Draft EIR description and analysis.

Below are links to CalRecycle's CEQA Toolbox for solid waste facilities, which may assist the Lead Agency in preparing the EIR:

- https://www.calrecycle.ca.gov/swfacilities/permitting/cega/toolbox
- https://www.calrecycle.ca.gov/SWFacilities/Permitting/CEQA/Documents/Guidance/Disposal/

Solid Waste Facility Permit

The proposed project will require a revision to the full SWFP and amendments to the Joint Technical Document (JTD) for John Smith Road Landfill (35-AA-0001). Prior to commencement of the proposed project, the operator shall submit an application package for a SWFP revision and JTD Amendments, which shall be processed by the Enforcement Agency (EA) pursuant to Title 27 California Code of Regulations (CCR), Section 21650. The permitting and regulatory requirements for solid waste operations/facilities are contained in 14 CCR and 27 CCR.

Solid Waste Regulatory Oversight

CalRecycle is the EA for San Benito County and is responsible for providing regulatory oversight of solid waste handling activities, including permitting requirements and inspections.

CONCLUSION

CalRecycle staff thanks the Lead Agency for the opportunity to review and comment on the NOP and hopes that this comment letter will be useful to the Lead Agency in carrying out their responsibilities in the CEQA process.

CalRecycle staff requests copies of any subsequent environmental documents, copies of public notices and any Notices of Determination for this proposed project.

If the environmental document is approved during a public hearing, CalRecycle staff requests 10 days advance notice of this hearing. If the document is approved without a public hearing,

NOP of Draft EIR for John Smith Road Landfill Expansion (35-AA-0001) March 22, 2021 Page 4 of 4

CalRecycle staff requests 10 days advance notification of the date of the approval and proposed project approval by the decision-making body.

If you have any questions regarding these comments, please contact me at 916.341.6363 or by e-mail at Megan.Emslander@calrecycle.ca.gov.

Megan instandas

Megan Emslander, Environmental Scientist Permitting & Assistance Branch – South Unit

Waste Permitting, Compliance & Mitigation Division

CalRecycle

cc: Ben Escotto, Supervisor

Permitting & Assistance Branch – South Unit

Jon Whitehill, Supervisor

Waste Evaluation & Enforcement Branch – Unit B

Eric Tanner, San Benito County EA Inspector

Waste Evaluation & Enforcement Branch – Unit B



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NAHC HEADQUARTERS 1550 Harbor Boulevard Suite 100 West Sacramento, California 95691 (916) 373-3710 nahc@nahc.ca.gov NAHC.ca.gov

NATIVE AMERICAN HERITAGE COMMISSION

February 22, 2021

Stan Ketchum County of San Benito 2301 Technology Parkway Hollister, CA 95023



Re: 2021020371, John Smith Road Landfill Expansion EIR Project, San Benito County

Dear Mr. Ketchum:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015. If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). Both SB 18 and AB 52 have tribal consultation requirements. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

- 1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:
 - a. A brief description of the project.
 - **b.** The lead agency contact information.
 - **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
 - **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).
- 2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).
 - **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).
- 3. <u>Mandatory Topics of Consultation If Requested by a Tribe</u>: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:
 - a. Alternatives to the project.
 - b. Recommended mitigation measures.
 - c. Significant effects. (Pub. Resources Code §21080.3.2 (a)).
- **4.** <u>Discretionary Topics of Consultation</u>: The following topics are discretionary topics of consultation:
 - **a.** Type of environmental review necessary.
 - b. Significance of the tribal cultural resources.
 - c. Significance of the project's impacts on tribal cultural resources.
 - **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).
- 5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).
- **6.** <u>Discussion of Impacts to Tribal Cultural Resources in the Environmental Document:</u> If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:
 - a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
 - **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

- 7. <u>Conclusion of Consultation</u>: Consultation with a tribe shall be considered concluded when either of the following occurs:
 - **a.** The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
 - **b.** A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).
- 8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).
- 9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).
- **10.** Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:
 - a. Avoidance and preservation of the resources in place, including, but not limited to:
 - i. Planning and construction to avoid the resources and protect the cultural and natural context.
 - **ii.** Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
 - **b.** Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
 - i. Protecting the cultural character and integrity of the resource.
 - ii. Protecting the traditional use of the resource.
 - iii. Protecting the confidentiality of the resource.
 - **c.** Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
 - d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).
 - **e.** Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).
 - **f.** Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).
- 11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
 - **a.** The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080,3.1 and §21080,3.2 and concluded pursuant to Public Resources Code §21080,3.2.
 - **b.** The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
 - **c.** The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09-14-05-updated-Guidelines-922.pdf.

Some of SB 18's provisions include:

- 1. <u>Tribal Consultation</u>: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe. (Gov. Code §65352.3 (a)(2)).
- 2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
- 3. <u>Confidentiality</u>: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
- 4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
 - **a.** The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
 - **b.** Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

- 1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
 - a. If part or all of the APE has been previously surveyed for cultural resources.
 - b. If any known cultural resources have already been recorded on or adjacent to the APE.
 - c. If the probability is low, moderate, or high that cultural resources are located in the APE.
 - **d.** If a survey is required to determine whether previously unrecorded cultural resources are present.
- 2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
 - **a.** The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
 - **b.** The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

- 3. Contact the NAHC for:
 - **a.** A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
 - **b.** A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.
- **4.** Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
 - **a.** Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
 - **b.** Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
 - **c.** Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: <u>Nancy.Gonzalez-</u>Lopez@nahc.ca.gov.

Sincerely,

Nancy Gonzalez-Lopez Cultural Resources Analyst

cc: State Clearinghouse

21 March 2021

Stan Ketchum Principal Planner San Benito County Planning and Land Use Division

Dr Mr. Ketchum,

We are writing on behalf of the Best Road Mutual Water District which serves 48 homes in the Heatherood Estates and Foxhill Circle subdivisions. These divisions lie immediately off of John Smith Road and Best Road, within close proximity of the John Smith Landfill.

Seeing as our water district serves a community in the immediate vicinity of the Landfill, to provide an essential resource, we find it disappointing that we were not notified about the project and the Public Scoping meetings but learned about them from some of our concerned homeowners during a monthly meeting. Many of the homes we represent lie immediately adjacent to John Smith Road and the outlined San Benito County Property.

Per your NOP, you cite the potential for the expansion to "affect the quality of the water discharged from the site." This is deeply concerning to us as we have been struggling with the quality of our water for a number of years. Elevated arsenic levels have been one of our most pressing issues and we are very concerned that this is correlated with our close proximity to the landfill.

As a district we have spent tens of thousands of dollars on mitigation efforts and are slated to spend another \$100,000+ in the immediate future to remedy the EXISTING situation with our local water. We are very worried that disturbances to the soil, excess water discharges and increased traffic allowing for road pollution may increase the contamination in our ground water to the point it becomes completely unusable.

As a water board we are OPPOSED to the proposed expansion to the John Smith Landfill. Since our sole mission is providing potable water to our residents, we must oppose any such expansion based on the potential for affecting our water.

Best Regards

County of Santa Clara

Roads and Airports Department
Planning, Land Development and Survey

101 Skyport Drive San Jose, CA 95110-1302 (408) 573-2460 FAX 441-0276



March 19, 2021

Maira Blanco
Stan Ketchum
San Benito County Planning and Land Use Division
2301 Technology Parkway
Hollister, CA 95023-9174
SKetchum@cosb.us

SUBJECT: Notice of Preparation of a Draft Environmental Impact Report for the John Smith Road Landfill Expansion

The County of Santa Clara Roads and Airports Department (The County) appreciates the opportunity to review the Notice of Preparation of a Draft Environmental Impact Report for the John Smith Road Landfill Expansion and is submitting the following comments:

- 1. Due to future Hwy 101/SR25 interchange development project, trucks may attempt to avoid interchange project by using County local roads to reach the John Smith landfill site. These roads include:
 - · Bolsa Rd.
 - Bloomfield Ave,
 - Frazer Lake Rd,
 - Leavesley Rd/Ferguson Rd.
- 2. The landfill project should include truck impact analysis on these mentioned South County roads and ensure trucks use freeways as the best route to landfill.
- 3. The projected peak traffic day occurs on the weekend. What is the site's operation schedule? Traffic analysis should be conducted for weekdays as well.

If you have any questions or concerns about these comments, please contact me at 408-573-2462 or ben.aghegnehu@rda.sccgov.org

Thank you.





April 16, 2021

San Benito County Planning and Land Use Division 2301 Technology Parkway Hollister, CA 95023-9174 Attention: Stan Ketchum

Email: SKetchum@cosb.us

Subject: Comments on the Notice of Preparation of a Draft Environmental Impact Report for the

John Smith Road Landfill Expansion

Dear Mr. Ketchum:

Please consider the following comments when preparing the environmental impact report for the above referenced project:

• Criteria Pollutant Emissions

The Air District's CEQA Air Quality Guidelines can be found at https://www.mbard.org/ceqa. These guidelines indicate the threshold limits for criteria pollutants which are considered a significant impact on air quality in our region. Emissions can be estimated using a land use emissions model such as CalEEMod, which can be found at http://www.capcoa.org/caleemod/. When evaluating project emissions, consider energy use, heavy duty equipment operation, increased on-road truck traffic, the landfill gas-to-energy plant, etc. When evaluating emissions document any assumptions and support any conclusions with substantial evidence. If thresholds from construction or operational emissions are exceeded, the Air District prefers that emissions are mitigated on-site. If these thresholds cannot be offset through on-site actions, emissions can potentially be mitigated off-site through Air District programs. Please contact me prior to completion of the draft EIR to discuss further.

• Construction and Operational Emissions and Exposure to Toxic Air Contaminants at Surrounding Land Uses:

When possible, use cleaner construction and off-road equipment for the project, specifically, equipment that conforms to the California Air Resources Board's Tier 3 or Tier 4 emission standards. The Air District further recommends that, whenever feasible, construction and off-road equipment use alternative fuels such as compressed natural gas (CNG), propane, electricity, or biodiesel.

Permitting of Operational Uses:

The expansion and reconfiguration of the landfill may require a modification to the permits the landfill already has with the Air District including the federal Title V operating permit. New equipment referenced in the NOP such as the landfill gas-to-energy plant will be required to operate with a permit from the Air District. Any composting or food waste processing at the

facility may also be required to have Air District permits. Contact the Air District's Engineering Division at (831) 647-9411 for information about permitting.

Emissions Leading to Odors:

When evaluating potential odors from the facility, consider daily landfill operations, the landfill cover, landfill gasses migrating off-site, the landfill gas-to-energy plant and any compost or food waste processing. Evaluate abatement measures or mitigation to maintain compliance with District Rule 402, Public Nuisance, which prohibits odors from affecting a significant number of people.

Fugitive Dust Control

Fugitive dust is required to be controlled by District Rule 403, Particulate Matter. Recommended fugitive dust mitigation can be found in Section 8.2 of the CEQA Air Quality Guidelines referenced above.

GHG Emissions:

The Air District suggests using guidance from the Bay Area Air Quality Management District or Sacramento Metropolitan Air Quality Management District for evaluating the project's greenhouse gas emissions.

• Asbestos Remediation:

If any buildings are renovated or demolished as part of this project, Air District rules may apply. These include Rule 424, National Emissions Standards for Hazardous Air Pollutants and Rule 439, Building Removals. Rule 424 contains the investigation and reporting requirements for asbestos which includes surveys and advanced notification on structures being renovated or demolished. Notification to the Air District is required at least ten days prior to renovation or demolition activities. Rule 424 could also apply if old underground piping or other asbestos containing construction materials are encountered during trenching activities. District Rule 439 prohibits the release of any visible emissions from building removals. Rules 424 and 439 can be found online at https://ww2.arb.ca.gov/current-air-district-rules. Please contact Shawn Boyle, Air Quality Compliance Inspector III, at (831) 647-9411 for more information regarding these rules.

The Air District appreciates the opportunity to provide comments prior to the preparation of the EIR. Please contact me if you have any further questions about these comments.

Best Regards,

David Frisbey

Planning and Air Monitoring Manager

cc: Richard Stedman, Air Pollution Control Officer Shawn Boyle, Air Quality Compliance Inspector III



San Benito High School District

1220 Monterey Street
HOLLISTER, CALIFORNIA 95023-4708
PHONE (831) 637-5831 ext. 132 • FAX (831) 636-1187
www.sbhsd.k12.ca.us

DR. SHAWN TENNENBAUM SUPERINTENDENT

March 22, 2021

















Mr. Stan Ketchum
Principal Planner
County of San Benito Planning and Land Use Division of the Resources
Management Agency
2301 Technology Parkway
Hollister, CA 95023
Email: Sketchum@cosb.us

RE: John Smith Road Landfill Expansion

Dear Mr. Ketchum,

Thank you for the opportunity to provide comment on the Notice of Preparation of a Draft Environmental Impact Report for the John Smith Road Landfill Expansion Project ("Project"). The District is the fee simple owner of approximately 71 acres on Best Road, Assessor's Parcel Number 025-190-0019 & 052.

The District is considering utilizing this parcel for the development of a future high school. As the crow flies, the parcel is located approximately 1.36 miles southwest of the Project. When considering the environmental impact of this project, please assume that this site will become a comprehensive high school serving approximately 1,200-1,400 students initially with the ability to expand up to 1,600-1,800 students in Grades 9-12. As you can imagine, we are gravely concerned about adverse health effects of a landfill being located in such close proximity to a school, among other potential environmental impacts of this Project. We intend to remain closely involved in the environmental review of this Project.

Thank you for keeping us informed regarding this Project, and please do not hesitate to reach out to me if you need further information.

Shawn Tennenbaum, Ed.D.

Superintendent

March 23, 2021

Stan Ketchum
San Benito County
Resource Management Agency
2301 Technology Parkway
Hollister, CA 95023-9174

Dear Stan Ketchum,

I am writing this letter to express strong opposition to the John Smith expansion site. It was erroneously stated that nobody in the area opposed this project. This could not be farther from the truth. Many of the neighbors in this area, including myself oppose this proposal.

When the landfill was approved for out of county duping several years ago, the increased truck traffic on our local rods contributed to significant degradation to the pavement quality and is clearly visible on Fairview Road. The increased revenue projected is very unlikely to cover the cost to our County for the substantial increase in required maintenance to our roads.

The above does not take into consideration the additional traffic congestion coming to and from Hollister. The additional development in our County has made traffic unbearable during commute times and inconvenient at best during other times of the day. The traffic alone had significantly detracted from the benefits of living in San Benito County.

Water that feeds nearby wells and runs into agricultural field will be impacted by the landfill expansion and will lead to pollution. Let alone the negative impact this will have on local wildlife. This is a terrible plan and I strongly oppose the expansion.

Sincerely

Caitlin Bynum

Public Comment for **John Smith Landfill Expansion EIR**Stan Ketchum, Principal Planner RMA, County of San Benito.
Submitted by John Freeman of San Juan Bautista.
Dear RMA, Mr. Ketchum and County of San Benito,

I wish to direct my comments to several component parts of the EIR for expansion of the John Smith Landfill.

First, Waste to Energy production via the collection of methane gas. All landfills off gas methane when the organics in the waste stream break down. Recently a consortium of Community Choice Aggregators including our own local Community Choice Aggregator Central Coast Community Energy came out in favor of buying power generated by methane from landfills and other certain bio-mass generators. Section 399.2 of the Public Utilities Code enables Community Choice Aggregators to enter into contracts and recover costs through the Bioenergy Market Adjusting Tariff (BioMAT) Program. This means that the John Smith Landfill will have a ready market for any power generated at the landfill by its methane gas, including CCCE. The regulations will allow landfill generators to charge a higher KW per hour rate than other wholesale power generators. That rate may be as high as 11 to 13 cents per KW hour. Most other wholesale power rates are under 5 cents per KW hour. Any cost feasibility study must be done by using the higher rates. While our landfill is still rather small, it is going to be expanded by factor of over five times, which will cause a substantial increase the generation of methane. Since methane is approximately 20 times more potent than CO2 as a global warming contaminate, it is imperative that we capture and cleanly burn the methane in a power generator. The above state regulation will assure you that the operation will have a ready-made market for its excess power. I know for a fact that CCCE staff will be willing to work with you to buy any power that you will produce.

Second, the landfill needs to build up its recycling center. Convenient drop-offs for specific recyclables should be designed into the new landfill. Cardboard and paper in one area, metals in another, electronics and motor oil and various types of batteries in another. Theis area would hopefully have quick and easy access to the recycling area, perhaps separate from the entrance to the landfill. That way county residents could easily drop off their recyclables. The Recycling center at the Marina location provides an excellent model for this type of operation.

Third, District Two of San Benito County experiences a lot of illegal dumping on the West side of the county. Inconvenience has been shown in many studies to being a barrier to proper disposal issues. There should be a convenient place (Transfer Center) for county residents to get rid of large bulky items (mattress, tires, old furniture), hopefully this could be in Hollister. A trip to the landfill from SJB or Aromas takes most of the day. A transfer center could help solve this problem. The county spends a considerable amount of money and time picking up trash on Rocks Road, School road and many other streets on the west side of the county. This could go a long away in helping keep San Benito County and clean and beautiful place to live and to visit.

Thank you,

John Freeman

San Juan Bautista, CA

San Benito County Planning and Land Use Division 2301 Technology Parkway Hollister, CA 95023-9174 Attention: Stan Ketchum

Dear Mr. Ketchum,

We have recently received the Notice Of Preparation for the proposed expansion of the John Smith Road Landfill Expansion and wanted to make our opinions of this project and reaction to it be a part of the public input.

We are the owners of the parcel 025-190-004-000, the land immediately to the north of the easternmost parcel (025-190-011-000) of the proposed expansion of the landfill area. As such, our property would become immediately adjacent to the expanded landfill site. For the sake of context, our connection to this land, and to the Santa Ana Valley, is long and deep. Our ancestor Horace Goold acquired this specific 154 acre parcel in 1874. His brother-in-law Edmund Bostwick Kent (our 2nd/3rd great grandfather) acquired the 220 acres to the north, forming the northern end of the Santa Ana Valley, in 1872. This land has been part of our family heritage for almost 150 years.

Needless to say we are shocked, dismayed and utterly opposed to the proposed expansion plan as it is currently constituted. We find the plan to be an extraordinary overreach, far exceeding the current and future needs of San Benito County. To expand the site to quadruple its current footprint (95 acres) to 388 acres is a colossal change - far in excess of what we believe is a rational and reasonable expansion.

There are several reasons for our objections. First, justification for the size of the expansion has not been provided. We are to simply take the word of the private company 'Waste Connections' that they need nearly 400 acres to accommodate the future needs of their company and their efforts to secure more business from "out of county" waste sources. No justification has been shown for their scope, it is simply given as a *fait accompli*. Why is there no other size and scope provided? Could a smaller site accomplish the same goals? Why were these boundaries chosen? Nothing in the proposal explains, justifies or answers these questions.

Second, by the proposal's own terms, 20% of the volume of waste in the landfill comes from San Benito County, while the other 80% originates elsewhere. It is clear to anyone who resides or spends time in San Benito County that there is little funding for infrastructure and that the roads here are in disgraceful condition. It is also clear that long term growth and prosperity in the County depends on decent infrastructure; water, sewers, storm drains, roads and power lines need to be provided. But using Santa Clara County's dumping fees to try to fund these infrastructure elements is short-sighted and unsustainable. Sacrificing existing rangeland and degrading nearby land is not in the County's long term interests. Very few counties in California accept trash which originates outside their respective county. Other counties have made environmental protections against out-of-county dumping a high priority. So should we. Allowing more and more trash truck traffic will continue to degrade Highway 25, Fairview Road and John Smith Road and make them more and more damaged and dangerous.

Third, the proposed Environmental Impact Report will no doubt enumerate the added load of

air pollution, dust, odors, noise and unsightly views that this project will generate. Add to this the potential for groundwater contamination of the Santa Ana Valley Aquifer, and the hazards associated with this project loom very large indeed. Our valley depends on this aquifer for drinking water, irrigation water and raising livestock. It cannot be allowed to be sacrificed on the alter of financial gain by the County and the 'Waste Connections' company.

This project appears to be a solution in search of a problem. The 'Waste Connections' company stands to make great profits from this expansion, while the needs of the people of San Benito County seem to play a very minor role in the undertaking. A great deal of land is to be irretrievably sacrificed, while the adjacent property is degraded and potentially polluted beyond any current or sustainable use. It also appears that this is a cynical corporate negotiating ploy - to submit a preposterous proposal, then 'compromise' to a more 'reasonable' position - which is what the desired outcome was in the first place. We and the other residents of the Santa Ana Valley will not be manipulated so easily. This proposal is a non-starter.

We request that this proposal be withdrawn and completely reworked with a dramatically smaller scope (and made in good faith) - one that meets the needs of San Benito County and its waste stream. We don't need to provide another landfill site for the predominant use of Santa Clara County. The price is too high to pay.

Sincerely,

Kent Gordon 3760 Santa Ana Valley Road

Steven Zuniga Margaret Zuniga-Healy Gilbert Zuniga Vincent Zuniga Mary Ann Zuniga 3400 Santa Ana Valley Road

Other neighbors in Santa Ana Valley in agreement with our objections:

Gigi Brisson Lonnie Autry Jr. 4067 Santa Ana Valley Road March 14, 2021

San Benito County Planning & Land Use Division 2301 Technology Parkway Hollister, CA 95023 ATTN: Stan Ketchum

sketchum@cosb.us

RE: Written comments - John Smith Landfill Expansion

Good afternoon, Stan

I attended the virtual meeting on Thursday evening and spoke regarding the issues. I have written them down and have added a few. I will also be emailing pictures along with this written response.

- 1) John Smith Landfill should only be for San Benito County waste and not other counties waste. SBC should not consider taking other counties waste as a way to generate revenue for SBC.
- 2) SBC should be looking at other avenues for revenue I voted for having the Strada Verde project along with the Betabel Road Project. These are both desirable since there is already an off ramp at Betabel Road and this will capture people who are traveling on 101. No traffic impact to Hollister.
- 3) If SBC wants to take out of county waste, SBC should find another location off a major roadway/highway such as 101, 156 or 25 to eliminate heavy trucks onto smaller roadways which cannot handle the wear and tear.
- 4) The current landfill already brings in more traffic with the heavy trucks through the county on Fairview Road causing more damage to already crumbling road.
- 5) The access from Fairview to John Smith Landfill is dangerous. If expansion is approved, part of the expansion will need to realign John Smith Road and make it safe. This should be at the expense of Waste Connections.
- 6) Noise from Fairview is loud just from regular traffic. Heavy Trucks are worse especially on a crumbling road with the noise. Sunnyslope Village, Santana Ranch and Holliday Estates hear increased noise from heavy truck usage on road in need of repair. Is Waste Connections going to be assisting in maintaining Fairview and John Smith Road if expansion approved on a consistent basis? This should be a part of the contract with expansion.
- 7) Heavy Trucks park behind our property and across the road along Santana Ranch Sound wall. Trucks parked along the sound wall are there sometimes all night with some type of motor running. One was there Saturday and I have attached a picture. Trucks parking on sound wall all night happens often.
- 8) I have also attached pictures of garbage behind our property which we pick up from trucks not tarping correctly.

Hydie McDonald 141 Holliday Drive, Hollister, CA 831-902-8608











Kathryn L. Oehlschlager koehlschlager@downeybrand.com 415.848.4820 Direct 415.848.4821 Fax Downey Brand LLP 455 Market Street, Suite 1500 San Francisco, CA 94105 415.848.4800 Main downeybrand.com

March 10, 2021

VIA E-MAIL AND U.S. MAIL

San Benito County Planning and Land Use Division 2301 Technology Parkway Hollister, CA 95023 Attention: Stan Ketchum

E-Mail: SKetchum@cosb.us

Re: JSL Landfill Expansion Notice Letter

Dear Mr. Ketchum:

I am writing on behalf of BAE Systems Land & Armaments LP (BAE) concerning the JSL Landfill Expansion. The County of San Benito's website indicates that the landfill expansion process will include public meetings, opportunities for public feedback, and the preparation of an Environmental Impact Report. Pursuant to Public Resources Code section 21092.2, BAE hereby requests notice of any developments in the County's review of the JSL Landfill Expansion. Please provide any such notices to me at the above address and email address, as well as Duke Collins, whose contact information is as follows:

Duke Collins
Environmental/Safety Engineer
BAE Systems, Inc.
M: (408) 506-8539 | T: (408) 289-0516
duke.collins@baesystems.com
6331 San Ignacio Avenue
San Jose, CA 95119

Sincerely,

DOWNEY BRAND LLP

Kathryn L. Oehlschlager

To Whom it Does Concern:

The request to expand the landfill should not be allowed for the following reasons.

The intersection of John Smith Road and Fairview is not designed to safely allow large trucks turning and lacks dedicated turn lanes.

Water shed and contamination of our already compromised ground water resources.

The valley and hills that the landfills proposed expansion include areas that are home to birds of prey that have limited resources already.

Funds received for dump can not out pace the long range damage to the entire road structure in San Benito. People coming to dump here do not bring any additional funds to Hollister or San Benito. They stop in other towns with better services.

Clarity should be made on who is proposing/presenting this and full disclosure of their financial interests in the expansion.

3 years ago we made a decision to move to a rural environment to raise our family. We were planning on moving to Oregon to fulfill our dream when we fell in love with Hollister. We wanted to show our children the value of hard work, dedication, and how to be a steward of the land. The expansion of the current land fill to take another county's trash is unnecessary and exemplifies short term benefit for long term loss for our future generations.

Tyler Siegert

4375 John Smith Road

Hollister CA 95023

Mr. Ketchum

Supervisor Medina

Supervisor Tiffany

Supervisor Gonzales

Supervisor Hernandez

Supervisor Kosmicki

RE: Landfill Expansion

I am not writing to you to stop the forward progress of the landfill expansion because I know that is futile. However, I would like to bring up some points that you may not be aware of.

I have lived 1 ½ miles past the landfill for 70 of my 76 years so I consider myself somewhat knowledgeable on the subject. I will list our concerns, not necessarily in order of importance:

- 1. I believe the County should be responsible for the situation at the intersection of John Smith and Fairview Road. There is no left turn lane from Fairview to John Smith which makes it very dangerous to turn onto John Smith Road with speeding traffic coming up behind you on Fairview. Creating more traffic going to the landfill will be even more dangerous.
- 2. Our family was REQUIRED to pay \$6,468.72 to install a light at the intersection of John Smith and Fairview on October 3, 2007. However, the light is not there and our money has not been refunded! Can we expect this matter to be brought to a just resolution plus interest?
- 3. There is also a very dangerous situation with sometimes up to 20+ cars lining up to turn left into the landfill off of John Smith Road. The entire lane is blocked to all traffic going east and west. There needs to be a safer way to get the traffic into the landfill or an extra lane for that traffic only
- 4. The Landfill need to mitigate the cleanliness of the road on a regular basis. It has been better since I spoke to Supervisor Tiffany but we are still picking up nails, screws etc. in our tires.
- 5. We were promised a beautification project at the entrance to the Landfill and that has not been fulfilled.
- 6. Out of town trucks are dumping from daylight to dusk while county residents must adhere to the hours posted by the Landfill.
- 7. The Landfill also needs to mitigate the blowing of trash, papers, plastic etc. onto neighboring properties. This foreign matter gets ingested by the cattle and other livestock and can very well cause deaths. I saw a calf with a piece of plastic hanging out of its mouth just last week.
- 8. I have copies of the contracts between the County and the various companies who ran the landfill from 1987 to 2011. In 2010 the estimated life of the landfill was 59 years!!!!! Interesting!

- 9. It also states in that 2010 contract that the company running the landfill would be responsible for maintaining the roads. I wonder if we are negotiating a smart contract for the benefit of the county?
- 10. In regard to what is best for our county, do we collect enough fees from the company who runs the landfill to pay for the road damage that is being caused but the large out of town trucks that are dumping in San Benito County? There are trucks coming from the San Joaquin Valley so it is easy to assume that they must pay a lot less to dump in our county than to dump in their county and not have the additional transportation costs. They are also dumping garbage that has had the recyclables removed. These other communities are benefiting from the recyclable materials and we are being used as purely a dumping ground.

Thank you for listening to our concerns

Sally Silva
4155 John Smith Road
Hollister, California 95023
831-637-4333 or 831-801-4779 (cell)
shortsal@razzolink.com

Stan Ketchum
San Benito County Planning and Land Use Division
2301 Technology Parkway
Hollister CA 95023-9174



Re: John Smith Landfill expansion.

Dear Mr. Ketchum,

The concerns I'm voicing are not merely my own, but those of other Hollister citizens with whom I've spoken.

- 1) Why are we allowing other counties to use our disposal area and use up our land that will be much needed for future generations? 80% of garbage is coming from outside our county—this is ridiculous! These trucks are coming in from great distances and could be driving shorter distances to disposal areas in their own communities. Thus, they are increasing traffic needlessly and causing roads to deteriorate quickly with their tonnage. It just doesn't make sense to rational thinking people.
- 2) Heatherwood Estates already has a serious water problem with underground levels of toxins being too high. Increasing the acreage of the John Smith Landfill has the potential of toxic runoff being detrimental to the aquifer in the area.
- 3) Much damage is done to John Smith Rd. from the large trucks, not to mention the debris that blows onto the road, into pastures, and into neighbors yards. Is adequate money being set aside to make the repairs that will be needed and to pay for regular cleanup in the area?
- 4) EIR—is nature truly being considered or just money, money, money? Are we looking at short term profits at the expense of long term benefits: views, birds chirping—or lots of noise from trucks and equipment? When we lose a little acreage to maintain San Benito County, we are agreeable to growth; however, when we lose a lot because other counties want to use our land to provide for their citizens, this is completely intolerable.
- 5) What will be done with the hazardous waste since this site will become a Class III site? I can't seem to find an answer to this online. Please address this in your proposal.

As I listened to the people on the zoom meeting on March 10, 2021, only 1 person had anything positive to say regarding this proposal—a former supervisor. When the gentleman from the state spoke, he indicated that the county was not meeting the state's requirements. His comments were not adequately addressed. If everything is being done correctly, it should have been easy to give a straight forward answer.

It is clear that the majority of citizens are opposed to this proposal. I pray that we can trust the city and county staff to make decisions in the best interests of the citizens of Hollister, California.

Thank you,

Sharon Thompson

461 Irma Dr

Hollister CA 95023

KINDNESSHERE DOUTLOOK. COM

My name is Lisa Tobias. I live in Santa Ana Valley and as I do not have garbage service at my home, I utilize the John Smith Landfill for disposal of household garbage approximately once a month. I also utilize the recycle bins at the land fill for all plastics, glass, metal and paper products which I divert from my trash.

Firstly, I was an active participant in the last major landfill issue which resulted in the "Mandy Rose Resource Recovery Park" (RRP) and re-zoning of the property across the street from the John Smith Landfill. I listened in on the second of the zoom meetings for the proposed expansion. Many of the same citizen concerns were expressed for both projects, particularly roads, traffic and water quality.

My concerns are in regards to the Santa Clara usage of the San Benito county landfill. As background, the population of Santa Clara County is 1.9 million people (2019 data) who reside in 15 cities and the unincorporated parts of the county. There are at least 7 landfills in that county. In contrast, San Benito County has approximately 63,000 residents and one landfill at that same time period. The level of sophistication and complexity of waste management in Santa Clara County mirrors the exponential difference in population bases of the two counties. I understand that previous San Benito County governing bodies negotiated the agreement as a source of revenue for San Benito County. As disclosed during the RRP discussions, some part or all of the fees collected from the Santa Clara fees were designated/earmarked for the landfill in some capacity and not available to the general fund therefore not usable for things like road repair from the damage of the roads from the large vehicles transporting the garbage on roads that were not designed for heavy vehicle traffic. QUESTIONS: What is the intended use of funds generated by the acceptance of out of county fees? Will this bolster the general fund for infrastructure improvements or other budgetary liabilities? Or is this designated money used as a budgetary tool which can be borrowed for other purposes?

In reviewing the Santa Clara Waste Management website, I could find no mention in the minutes of their meetings regarding the agreement with San Benito County. It is clear from that website that the state has set benchmarks for waste disposal that must be met. The SCC site describes goals of 50% diversion of organics, recycling, and hazardous waste from garbage. (Ads in the Freelance indicate that Monterey County is targeting 75% diversion by 2025.) No organic material is permissible in the Santa Clara landfills. **QUESTIONS:** What materials are being disposed of in the San Benito County landfill from Santa Clara County? Is this material the garbage left over after diversion or is it a way of disposing of material they don't want accounted to their own landfills? Is San Benito County being used as a pawn in the big world of waste diversion?

During both the RRP and expansion discussions, it was mentioned that Santa Clara County uses the John Smith Landfill as it is "cheaper" than using the Santa Clara county landfills.

QUESTIONS: Cheaper than the actual fees or cheaper than acquisition and development of additional landfills in Santa Clara County? Cheaper than not meeting diversion benchmarks?

The situation is much like the old story of a man asking a husband if the husband would allow the man to sleep with the husband's wife for a million dollars. The husband thinks for a minute and then agrees. The man then offers \$100. Now the husband is insulted. The man then states "We have already determined WHAT you are, now we are setting the price." Through past decisions, San Benito County officials have determined that our asset is for sale. If that is still the case, it is now time to re-negotiate the price. If this asset is indeed for sale, what benefits are there for San Benito County?

Lastly, as a consumer of the landfill facilities, I would be interested to know if a transfer station is in the proposal for self-haul loads coming into the landfill. The materials currently being disposed of by self-haulers is a mixture of yard waste, food waste, plastics, wood, metal, construction waste and paper products. There is no sorting of materials. With the restrictions of diversion in place in neighboring counties, why isn't San Benito County moving toward meeting diversion goals?

I appreciate the opportunity to participate in a discussion on issues pertinent to our local community. I do find, however, two zoom meetings held on the topic of landfill expansion woefully inadequate for the opportunity of the citizenry to voice their opinions. During the RRP discussions, it was input from citizens that led to the site-specific zoning which prevented composing and allowed the proposal to be approved. I also find it interesting that the same ground the county fought so hard to make into the RRP (still unrealized) is now going to be the mitigation ground for the proposed expansion.

Sincerely,

Lisa Tobias
6750 Santa Ana Valley Road
Hollister, CA 95023
831-635-0246

APPENDIX B

DESCRIPTION OF CURRENTLY PERMITTED SITE OPERATIONS

DESCRIPTION OF JOHN SMITH ROAD LANDFILL CURRENT PERMITTED SITE OPERATIONS

1 LANDFILL OPERATIONS

OPERATING HOURS

The John Smith Road Landfill (JSRL) is open for commercial refuse disposal operations seven days a week during daylight hours, meaning that portion of the day between sunrise and sunset. The landfill receives refuse from the public from 8:00 a.m. to 4:00 p.m. Monday through Friday and 9:00 a.m. to 3:00 p.m. on Saturdays and Sundays. No landfill activity occurs during nighttime hours. The JSRL is closed on the following holidays: New Year's Day, Easter Sunday, Thanksgiving Day, and Christmas Day. The landfill may close on the Fourth of July instead of Easter in certain years with appropriate notification to the Local Enforcement Agency. The San Benito County Integrated Waste Management (SBCIWM) Regional Agency may limit access to the landfill by the general public if safety conditions warrant limiting access. The majority of the landfill operations personnel work from 7:00 a.m. to 5:00 p.m., Monday through Sunday. However, some employees work staggered shifts to cover the early and late hours, as well as peak waste delivery periods. Landfill staff may be present for two hours before and after the landfill is open to the public to perform regular maintenance and cover the waste.

OPERATION CYCLE

Vehicles currently enter the site from John Smith Road through the entrance gate and then proceed to the scales where waste-generation location and characterization is recorded. The waste is viewed for unacceptable materials by the scale house operator (as a component of the site's load checking program, described in further detail below) and weighed. The majority of the waste received at the JSRL is delivered by commercial collection, transfer trailer, and self-haul vehicles; the remainder of the waste is delivered by residential self-haul vehicles. A public recyclable drop-off area is located before the scales and is used by the public to drop off mixed recyclables (e.g., cans, bottles, paper, and other common recyclables). A recoverables storage area is located near the scale house and those loads with mattresses, tires, e-waste, universal waste (mercury containing devices, etc.) and other recoverables, are directed to this area before being directed to the working face. Recoverables are removed from the site by various recyclable processors.

Waste is unloaded at the working face, spread, and compacted as described below. After leaving the working face, vehicles return to the scale house. Those that have tare weights established in the scale computer are charged and ticketed on the inbound scale while entering the facility, thereby allowing them to leave the facility without crossing the outbound scale. Other vehicles are weighed on the outbound scale for ticketing purposes. Vehicles drive through a recently installed wheel-washing facility before departing the site.

DAILY FILLING AND COVER PROCEDURES

Waste materials are placed in the modules, in lifts ranging from 15- to 30-feet thick. The slopes of each lift are typically approximately 3 to 1 horizontal-to-vertical slopes but may be steeper on temporary slopes. Each lift is comprised of a series of two-foot-thick layers of waste up to 200 feet wide that have been compacted by waste-compacting equipment. At the end of each day, the working face of the lift is covered with either six inches of compacted soil or an alternative daily cover (ADC). Title 27 CCR allows landfills to use the following as ADC without performing a demonstration project as long as each one is approved by the Local Enforcement Agency (the asterisks* indicate materials that are considered beneficial reuse under the applicable state regulations):

- ► Geosynthetic Fabric or Panel Products (blankets, e.g., tarps)
- ► Foam Products
- Processed Wood Waste and Green Material*
- Sludge and Sludge-Derived Materials*
- ► Ash and Cement Kiln Dust Materials*
- ► Treated Auto Shredder Waste*
- Contaminated Sediment, Dredge Spoils, Foundry Bonds, Energy Resource Exploration and Production Wastes*
- ► Compost Materials*
- ► Processed Construction and Demolition Wastes*
- ► Shredded Tires*
- ► Spray-Applied Cementitious Products

Currently, tarps, foam products, processed green- and wood-waste materials, sludge, treated auto shredder waste, processed construction and demolition debris, and spray applied cementitious products, have been approved by CalRecycle for use as ADC. Other ADC besides the above pre-approved list may be proposed to CalRecycle, prior to use. The daily cover is intended to control litter and odors, discourage vectors, improve surface stability for landfill vehicles, reduce leachate generation and reduce fire risks.

Lifts that will not or have not been covered with waste within 180 calendar days receive additional, "intermediate" soil cover to ensure a minimum soil cover thickness of one foot. The intermediate cover is placed and compacted to minimize rain infiltration and promote drainage. These intermediate covers are also intended to help minimize odors created by decomposing waste, prevent the emergence of flies, and minimize the potential for fires to ignite in the waste.

Heavy equipment used for these procedures includes dozers, compactors, excavators, articulated dump trucks, water trucks and service trucks. This equipment is in service throughout the day on all days of operation. Water truck use is limited during wet weather periods.

SANITARY FACILITIES

Consistent with Title 27 CCR §20550, toilets and hand washing facilities are located at the scale house and in the employee breakroom. Water for these facilities comes from water tanks located on the hill northwest of the scale house. The tanks are filled with water obtained from a fire hydrant within the Sunnyslope County Water District. Sewage is discharged to the City of Hollister sewer system that services the facility. Portable toilets with hand washing units may be placed near the working face for landfill personnel and customers.

WATER SUPPLY

No potable water source is available on the site. The landfill personnel are provided bottled water for drinking water supply. Water for dust control is obtained either from on-site storm-water retention ponds or from the Sunnyslope County Water District, as described above.

2 DISPOSAL AREA CONSTRUCTION METHODS

The current permitted disposal area covers approximately 58 acres. The disposal area has been constructed in "modules." The footprint of each module depends on the area needed to support the current volume consumption and operating parameters. Operating parameters include the areas needed for winter tipping pads, and to allow efficient construction and waste-fill sequencing. Module construction includes excavating native soil/bedrock, screening excavated soil to generate the required clay and operations layer, installing a composite liner to contain waste within the disposal area, filling the modules with waste, and collecting and removing leachate and methane gas produced by waste. Minimum design standards are regulated federally by 40CFR Part 258, and in California by Title 27 CCR, and regulated locally by the Central Coast Regional Water Quality Control Board (CCRWQCB) via Waste Discharge Requirements (WDRs).

MODULE EXCAVATION

Excavation for the next new module begins while existing modules are being filled. Excavated material from a new module is used as daily or intermediate cover for the active modules. The native soil consists of extremely weathered bedrock (saprolite) that has the structure and bedding of bedrock, but the consistency of rocky soil when excavated. A portion of the soil excavated during module excavation is screened to remove rocks so that it can be used for low-hydraulic conductivity clay and operations layer portions of the liner system. Boulders that are exposed during excavation are either crushed and the crushed material used for on-site uses or are used off-site as "rip-rap" for erosion control. Some of the excavated soil is used for fills to create perimeter containment, berms, temporary ramps, or for "visual berms."

Excess excavated material that has not been used for one of these uses, is stockpiled on site. The three primary locations include the Class I Area Stockpile, Stockpile 3, and a short-term stockpile east of the Class I Area as shown on Figure 3-5 in Chapter 3, Project Description, of this Draft EIR. Stockpiled soil is graded to drain into drainage swales and downdrains. The soil stockpiles are seeded to prevent erosion. The stockpiled soil will be used for daily and intermediate cover, the final closure cap, and other needs (including leaving soil in the Class I Area to provide drainage after closure).

Heavy equipment used for module excavation includes scrapers and/or off-road dump trucks, graders, excavators, screening plants, rock crushers, water trucks, and service trucks. The amount of time each of these pieces of equipment is in use varies, although water trucks are in nearly constant service during the dry season. During periods where excavation of new modules is accelerated due to demand for additional

disposal space, multiple scrapers and graders are in intensive daily use for as long as six months per module.

MODULE LINING

The sideslopes and bottom or "base" of each module are lined with a composite liner. The past and current WDRs have required that design reports, including a construction quality assurance plan, be submitted to the CCRWQCB for approval of the liner system prior to construction. Both Title 27 CCR and 40 CFR Part 258 allow alternative liner designs that provide equal or better performance than the prescriptive configuration listed in the regulations. The following is the alternative liner design that has been approved by the CCRWQCB for the site, from bottom to top:

Module Floor (from bottom to top)

Liner System:

- Prepared native subgrade.
- ► Minimum 1-foot-thick compacted soil liner with a maximum hydraulic conductivity of 1x10⁻⁶ cm/sec.
- ► Geosynthetic clay liner.
- ► Minimum 60-mil thick high-density polyethylene (HDPE) geomembrane textured on both sides (Modules 2 through 6 have single-sided textured smooth side up).
- ► Twelve ounce/square yard woven geotextile cushion layer, if needed.
- ▶ Minimum 1-foot-thick pea gravel drainage layer
- ► Eight-ounce nonwoven geotextile separator.
- ▶ Minimum 1-foot-thick soil operations layer.

Module Sideslopes (from bottom to top)

Liner System:

- ▶ Prepared native subgrade.
- ► Geosynthetic clay liner.
- ▶ Minimum 60-mil-thick, single-sided textured HDPE geomembrane, textured side down.
- ▶ Minimum 2-foot-thick soil operations layer.

3 LANDFILL CLOSURE

Upon closure, final landfill covers are installed to ensure waste is contained within the modules and to control nuisances (vectors, fire, odor, litter, landfill gas migration, etc.). The current landfill is divided into the unlined "pre-Subtitle D," Module 1, and lined "Subtitle D" Modules 2 through 8. The entire

landfill is proposed to be closed using either a proscriptive cap or an approved evapotranspirative cap, as described below.

PRESCRIPTIVE CAP - UNLINED AREAS

The prescriptive closure cap (as described in Title 27, CCR) for an unlined landfill consists of the following (from bottom to top):

- ▶ 24-inch-thick foundation layer compacted to the maximum density obtainable at optimum moisture content using methods that are in accordance with accepted civil engineering practice. As described below, the bottom 0.5 feet will be constructed from recompacted operations layer soil.
- ▶ 12-inch low hydraulic conductivity (barrier) layer consisting of clay meeting the following criteria:
 - o Permeability no faster than 1×10 -6 cm/sec as calibrated using a test pad.
 - o No less than 30% passing a No. 200 sieve.
 - o Plasticity index no less than 10.
 - o Compacted as described above for the foundation layer.
- ▶ 12-inch erosion resistant/vegetative layer suitable for supporting plant life.

PRESCRIPTIVE CAP - LINED AREAS SUBTITLE D CAP - GENERAL

According to Title 27 CCR, §21090 (a)(2), the [Subtitle D] closure cap must have a barrier or low-hydraulic conductivity layer with a hydraulic conductivity equal to or less than the hydraulic conductivity of any bottom liner system or underlying natural geologic materials, whichever is less permeable. Because the geomembrane is the lowest permeability element of the liner, it controls the permeability. For this purpose, a 60-mil textured linear low-density polyethylene (LLDPE) geomembrane is assumed. The following layers from bottom to top are proposed:

- ▶ 24-inch-thick foundation layer, consisting of 8 inches of recompacted intermediate cover and 16 inches of added soil.
- ▶ 60-mil LLDPE geomembrane.
- ▶ An 8-oz nonwoven geotextile cushion on the top deck to protect the geomembrane from puncture.
- ▶ Geocomposite drainage layer on the sideslopes to provide stability.
- ▶ 18-inch-thick erosion resistant/vegetative layer suitable for supporting plant life.

EVAPOTRANSPIRATIVE CAP

According to Title 27 CCR, Section 21090: "The RWQCB can allow any alternative final cover design that it finds will continue to isolate the waste in the Unit from precipitation and irrigation waters at least as well as would a final cover built in accordance with applicable prescriptive standards under (a)(1-3)."

The Joint Technical Document for JSRL (Lawrence & Associates 2018) describes an evapotranspirative (ET) cap for closure of JSRL as an alternative to the prescriptive caps described above. An ET cap prevents infiltration of rainfall by storing the portion that does not runoff and then removing the water via evapotranspiration (uptake by plants). ET caps have been approved for use by the CCRWQCB at other landfills in California. The Joint Technical Document describes the following layers (from bottom to top):

- ▶ 0.5 feet of recompacted intermediate cover.
- ▶ 4 feet of added soil.
- ► An 8-oz nonwoven geotextile capillary break (if needed).
- ► An extra foot of soil (if needed).

For planning purposes, it is assumed that the closure cap will consist of soil, five feet thick with an 8-ounce per square yard nonwoven geotextile somewhere within those 5 feet. The Operator may select the lowest cost option of those described above prior to final closure. Presently the ET cap option is anticipated to cost slightly less than the geomembrane option. It is also anticipated that an ET cap will be simpler and less costly to maintain during the post-closure maintenance period.

For all the capping options, a portion of the closure cap that is steeper than 3 to 1 may be capped with riprap to provide an erosion resistant layer in lieu of a vegetative layer.

4 ENVIRONMENTAL CONTROLS AND MONITORING

The following is a summary of the current environmental controls and monitoring at JSRL. Groundwater, vadose-zone, leachate, surface-water, and corrective-action monitoring reports are submitted to the CCRWQCB semiannually and are available on the State of California GeoTracker website. Perimeter landfill-gas monitoring results are reported to CalRecycle quarterly. AB 32 monitoring and Title V results are submitted annually to the U.S. Environmental Protection Agency.

LEACHATE COLLECTION AND RECOVERY SYSTEM

A leachate collection and recovery system is installed in each lined module above the liner system. Title 27, CCR and 40 CFR Part 258 require that the head (liquid depth) on the liner system remain below 30 cm (one foot). To provide for this requirement, the leachate collection and recovery system includes a layer of a high-permeability "granular drainage layer" typically consisting of fine gravel commonly described as "pea gravel." The granular drainage layer drains into a series of perforated pipes laid in gravel-filled trenches that route leachate into a "sump." A blanket of non-woven geotextile fabric is laid on top the gravel drainage layer to prevent fine soil particles from the overlying soil "operations layer" from clogging the granular drainage layer. Leachate that collects in the sump is pumped directly to the City of Hollister sewer line located within John Smith Road. The leachate piping and pumping systems are designed to accommodate no less than twice the anticipated maximum leachate flow.

Heavy equipment used in preparation of the leachate collection and recovery system includes gravel delivery trucks and flatbed trucks used to deliver piping and other supplies. To avoid damaging the liner system, the granular drainage layer is commonly pushed onto the liner using a low-ground pressure dozer and gravel for the collection trenches is commonly placed by a loader or skid-steer loader either prior to construction of the surrounding liner system or after completion of the entire liner and leachate collection and recovery system.

The rate of leachate generation depends on seasonal rainfall quantities and the depth of waste over the granular drainage layer system. Deeper waste and low rainfall result in lower leachate generation. In the future, the final closure cap will reduce the leachate generation to a negligible rate. Leachate production is monitored monthly and leachate composition is monitored annually as part of the Monitoring and Reporting Program (MRP) required by the CCRWQCB. Currently, leachate is monitored from the Module 3A leachate sump that collects leachate from Modules 2 through 6 and the Modules 7 and 8 leachate sumps. Analytical results have indicated the leachate is non-hazardous.

LANDFILL GAS COLLECTION AND REMOVAL

Landfill gas is generated by the anaerobic (without oxygen) decomposition of organic material in waste. Landfill gas is made up primarily of methane and carbon dioxide with some nitrogen, oxygen, and other trace compounds. Because Title 27, CCR requires that the methane in the soil at the "facility boundary," remain below 5% by volume, and because Assembly Bill (AB) 32, requires collection and control of greenhouse gasses, a landfill gas collection system is in operation at the JSRL. The landfill gas collection system uses blowers to provide vacuum to both vertical wells and horizontal collectors (also called horizontal wells) installed into the waste. Because landfill gas typically consists of 50 to 60 percent methane, it is combusted in an on-site landfill gas "flare" located adjacent to the entrance area. While the flare generates carbon dioxide, it eliminates methane, which is a much more potent greenhouse gas than carbon dioxide. The flare also destroys any trace gases either present in the waste or generated during the waste decay process.

The system was originally designed to reduce subsurface migration of gas from the unlined Module 1. Subsequent to the passage of AB 32, the system was tasked with reducing surface emissions and is currently operated to maximize flow, which can result in methane in the discharged gas as low as 35%. Landfill gas is currently combusted in a landfill gas flare that is sized for 22.93 million British Thermal Units (MMBtu) with a flow ranging from 160 cubic feet per minute (cfm) to 755 cfm at 50% methane and up to 1,200 cfm at 30% methane. The flare will be replaced or upgraded to provide higher flow, as needed. Landfill gas is typically 90 to 100 degrees F and near 100 percent humidity. As the landfill gas enters and flows through collection piping on the surface, the humidity condenses in the pipe and forms "condensate" that flows down the pipe and is collected and pumped into the sewer system. Condensate generation is roughly proportional to the landfill gas flow rate.

Horizontal collectors are installed periodically as lifts of waste are placed. Vertical wells are installed periodically to provide additional control as needed.

Landfill gas is monitored under the following programs:

- ► Title 27 CCR: Perimeter gas monitoring probes are monitored quarterly to ensure that methane content remains below 5% by volume and on-site structures are monitored quarterly to ensure that methane remains below 1.25% by volume.
- ▶ AB 32: Surface emissions are monitored quarterly to ensure that methane emissions remain below the required limits. The flare is monitored annually to ensure 99% methane destruction.
- ► Title V: The flare is tested annually to ensure destruction of trace gasses.

STORM WATER MANAGEMENT AND MONITORING

The storm water management system includes a series of benches, culverts, natural drainage channels, and sedimentation basins. Finished landfill slopes are graded at a 3 to 1 horizontal-to-vertical slope or

flatter. Each finished slope includes benches placed no less frequently than every 50 feet of elevation. These benches intercept runoff to minimize slope length and route the water into earthen, grass, or rocklined ditches. The flat surface at the top of the slope, referred to as the "top deck," is graded to have slopes of approximately three to five percent, so that water neither ponds on the surface nor runs-off too rapidly, thereby reducing the chance for erosion.

Surface-water runoff is directed to one of three stormwater and sediment detention basins (Figure 3-5 in Chapter 3, Project Description, of this Draft EIR), where sediment and other debris can settle out. The basins have been designed to accommodate flows resulting from 100-year, 24-hour storm flow. Additionally, temporary stormwater basins may be constructed adjacent to lined modules at low spots so that stormwater can be pumped into the nearest drainage. The basins, once full, eventually outfall to an unnamed drainage swale south of John Smith Road or the drainage swale along the north side of John Smith Road.

Surface water runoff is monitored under two separate programs. Surface water monitoring is required by the CCRWQCB under MRP 2014-0047 and storm water monitoring is performed under the State of California General Industrial Storm Water Permit (No. 2014-0057-DWQ as amended in 2018) quarterly during "qualifying storm events."

GROUNDWATER MONITORING SYSTEMS

Groundwater monitoring has been conducted at the existing landfill and Class I Area since 1985. Wells have been added over time to characterize the landfill and Class I Area geology and water quality. Currently 23 active groundwater monitoring wells and five groundwater extraction wells are located within the existing landfill and Class I Area. In 2020, an additional 11 wells were installed in the 388.05-acre expansion area.

Groundwater monitoring is performed for several programs identified in the site's WDRs and MRP 2014-0047. The Class I facility has one monitoring program: the Post-Closure Detection Monitoring Program. The Class III facility has two programs: the Detection Monitoring Program and the Corrective Action Monitoring Program. More detailed information is included in Section 4.8, Hydrology and Water Quality, of this Draft EIR.

GROUNDWATER EXTRACTION SYSTEM OPERATION AND MONITORING

A groundwater extraction system, consisting of five downgradient groundwater extraction wells, was installed between 1992 and 2008 in response to a historical release of traces of volatile organic compounds (VOCs) from the Class I and adjacent Class III Area (east end of Module 1). The groundwater extraction system contains three on-site extraction wells: EW-1, EW-4, and EW-5; and two off-site extraction wells: EW-2 and EW-3. Extracted water is discharged to a sanitary sewer line along John Smith Road. The system is automated to maintain an inward flow of groundwater toward each well. The goal of the on-site extraction system is to hydraulically contain the VOCs in groundwater to eliminate continued off-site migration. The goal of the off-site extraction system is to hydraulically contain the VOC plume to stop downgradient migration and to reduce the concentration of the VOCs to below health-based levels.

Groundwater from the extraction wells is monitored for compliance with MRP R3-2014-0047, Wastewater Discharge Permit 92-002 (City of Hollister), and the Monterey Bay Air Resources District (MBARD) Permit to Operate 14070 for contaminated water cleanup. Each extraction well has a sampling port from which samples can be collected. MRP R3-2014-0047 requires weekly inspection and maintenance, monthly flow volume measurement, and annual sampling from each well as part of the

corrective action monitoring program. Sampling is to be performed by staff of the Domestic Wastewater Treatment Plant. The MBARD permit does not specify a monitoring frequency but states the concentration of vinyl chloride in the extracted water being sent to the wastewater plant must not exceed 59 micrograms per liter.

UNSATURATED-ZONE MONITORING

Sampling in the unsaturated zone (above the groundwater table and below the ground surface) is performed by collecting soil gas from perimeter landfill gas monitoring wells GP-2, GP-2A, GP-3A, GP-6, GP-7, GP-9, GP-10, GP-11B, GP-12, and GP-13. Each location includes multiple nested probes. The probes are monitored quarterly with field instruments and annually for volatile organic compounds by USEPA Method TO-15 as part of the corrective action monitoring program consistent with the monitoring frequency specified in the MRP.

5 Nuisance Controls

The following sections describe the measures that are required by Title 27 CCR §21600(b)(7)(A) to be implemented at the site to minimize or eliminate nuisances associated with the operation of the landfill.

ODORS

Odors are generated by the aerobic and anaerobic decomposition of waste at the landfill. The decomposition of buried wastes results in the creation of methane gas and carbon dioxide, which are mostly odorless, but can also result in the creation of volatile organic compounds, which contain odors. These gasses are collected and destroyed by the landfill gas extraction system. Odors generated by waste that is decomposing in active disposal area cells are controlled through the application of ADC, daily soil cover, and intermediate cover materials. In addition, piles of green waste awaiting processing are monitored for temperature and turned when needed so that the compost process, which can be odorous, does not commence. Based on a review of CalRecycle Inspection Reports, no odor complaints have been made in connection with JSRL in at least the last two years (Lawrence & Associates July 2021)

FIRE CONTROL

Fires could occur as rangeland wildfires from off-site sources, equipment malfunction, spontaneous combustion, pre-existing fire in a delivered load, overdrafting the landfill gas collection system, or lightning strikes. A fire break is always maintained along the perimeter of the landfill in compliance with State and local requirements.

Operating equipment is equipped with spark arrestors and fire extinguishers. Regular maintenance of landfill equipment and vehicles minimizes the potential for equipment fires by removing debris and dust from undercarriages and engine compartments. In addition, equipment is regularly inspected for oil and fuel leaks and repaired as needed. The equipment fire extinguishers are visually inspected and serviced/recharged on a regularly scheduled basis. In addition, fire extinguishers are also located in all onsite buildings and on all support vehicles.

Piles of green waste are monitored regularly for temperature to ensure that they do not compost or reach temperature that could lead to spontaneous combustion.

The landfill equipment operators have been trained in the methods of handling accidental and small fires at the active face of the landfill. Soil is available to cover burning waste and a 2,500-gallon water truck is available.

DUST CONTROL

The primary dust control measure at the site is the paving of the main access road. Additional measures consist primarily of access road maintenance and periodic spraying of water on access roads, unloading areas and stockpile areas when fugitive dust conditions exist. A 2,500-gallon water truck is used to spray water on all roads, stockpiles, and waste unloading areas prone to dust generation. In addition, dust masks are available to minimize employees' exposure to dust. Rumble plates are used at the landfill exit to reduce the potential for soil tracking onto surrounding streets. Also, a one-wheel rotation wheel wash is used for trucks.

VECTOR AND BIRD CONTROL

A vector is an organism that transmits disease or infections. Vectors commonly associated with landfills include insects, rats and mice, and birds, particularly crows and gulls. Vectors can potentially spread diseases by carrying decaying waste containing bacteria, viruses, and other organisms off-site, or by becoming infected themselves and coming into contact with humans, animals, or plants in surrounding areas. Gulls are the prevalent vector present at the landfill.

Refuse compaction, maintaining a manageable size working face, and the application of daily cover are the most effective preventions against the propagation of vectors on a landfill site. Site personnel inspect landfill areas daily for any signs of rodent activity and implement the necessary measures to minimize vector nuisances. Professional pest control services are used, as necessary.

Operations are designed to reduce or eliminate the attraction of birds and other vectors. Operational methods may include the use of bird dispersion techniques, such as physical disturbance and falconry. No fly (insect) problems associated with ongoing operational practices have been observed at the landfill.

LOAD CHECKING PROGRAM

A load checking program is conducted at the landfill prior to delivery of waste to the working face. Vehicles are screened at the scale house by trained personnel. The load checking program is intended to identify and remove hazardous and otherwise prohibited wastes from the waste stream prior to disposal. The staff at the scale house routinely question customers regarding the presence of household hazardous materials or unacceptable material in their loads. Vehicles carrying wastes are stopped at the scale house and weighed or measured. The questioning of customers by scale house personnel may simultaneously involve physical assessment of the waste, inspection for warning labels such as "flammable" or "poison," and for unidentified containers that may contain unacceptable wastes. After screening the loads, customers are directed to the working face. Spotters will generally conduct load content surveillance near the active working face. Waste inspections consisting of a detailed examination of a randomly selected load are regularly performed. If hazardous materials are found at the working face, they will be transported to and temporarily stored in a hazardous-waste containment structure designed specifically for that purpose. Hazardous wastes are stored for no longer than the time period allowed by State regulations (per Title 22, CCR, §66262.34(c)(1)). Licensed haulers remove the waste.

LITTER CONTROL

Wind is the primary cause for fugitive litter around the landfill site. The main control for windblown litter begins at the unloading area through the spreading and compacting of refuse and placement of daily/intermediate cover over all exposed refuse at the end of each working day. In addition, the following measures are implemented to control windblown litter at the site and along John Smith Road:

- ► Construction of waste berms around the outside edge of a waste module to divert wind where feasible.
- ▶ Use of portable wind fences downwind of the waste unloading areas.
- ▶ Use of fixed tall litter fences along the boundary of the active landfill.
- ▶ Use of temporary fixed litter fences around newly constructed modules.
- ► On-site trash collection from litter fences and other areas.
- ► Requiring loads to be tarped and charging a fee for loads that are not tarped.
- ▶ Litter collection along John Smith Road.

The landfill is inspected for litter by landfill personnel and litter is regularly collected. Typically, the litter is placed in plastic bags and disposed of at the working face. County crews also pick up litter along John Smith Road.

NOISE CONTROL

Site operations are conducted in compliance with Cal-OSHA regulations for noise levels. Noise levels of on-site equipment are controlled by the maintenance of mufflers on all motorized vehicles and the installation of alternative CAL-OSHA approved back up alarms that minimize noise drift. On-site speed limit restrictions also help reduce landfill traffic noise. Site personnel are provided with ear plugs or muffs to reduce impacts from continued exposure to on-site noise levels.

APPENDIX C

AIR QUALITY AND GREENHOUSE GAS CALCULATIONS



APPENDIX C

Calculations for Air Quality and Greenhouse Gas/Climate Change

Proposed Landfill Expansion John Smith Road Landfill San Benito County, California

> November 2021 Rev. July 2022

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1. Introduction

1.1. Purpose

This appendix presents the calculations for Section 4.3 - Air Quality of the Draft Environmental Impact Report (DEIR) and Section 4.4 - Greenhouse Gas (GHG) and Climate Change for the Proposed Expansion of John Smith Road Landfill (JSRL or Landfill). This appendix contains only the calculations and explanation of the calculation methods. See the DEIR sections for an explanation of the intent. The calculations are organized to provide emissions estimates for comparison to thresholds of significance as defined in the Monterey Bay Air Resources District (MBARD) California Environmental Quality Act (CEQA) Air Quality Guidelines (MBARD, 2008).

The calculations that are described here include the following:

- Greenhouse gas (GHG) emissions:
 - o Changes between the baseline and Proposed Project GHG emissions from the decay of organic materials in the buried waste known as landfill gas (LFG) either combusted through a flare or emitted from the Landfill surface as fugitive emissions.
 - o Changes in GHG emissions from direct sources (vehicle emissions).
 - o Changes in GHG emissions from indirect sources (power, water, sewer).
- Criteria Pollutants:
 - o Changes in criteria pollutants from construction.
 - o Changes in criteria pollutants from operation.
 - o Changes in criteria pollutants from LFG emissions (part of operation).
 - o Indirect changes in criteria pollutants along adjacent roads.
- Hazardous Air Pollutants (HAPs):
 - o Emissions of trace gases from both combusted and fugitive LFG.
 - o Emissions of diesel particulate matter (DPM).

GHG Emissions analyzed herein include the following:

- Carbon Dioxide (CO₂)
- Methane (CH₄)
- Nitrous Oxide (N₂O)

Other, less common GHGs are not commonly found in vehicle exhaust and LFG emissions are not analyzed herein.

Criteria pollutants analyzed herein include:

- Oxides of Nitrogen (NO_X) as Nitrogen Dioxide (NO₂); an ozone precursor
- Reactive Organic Gasses (ROG); an ozone precursor
- Respirable Particulate Matter (PM₁₀)
- Fine Particulate Matter (PM_{2.5})
- Carbon Monoxide (CO)
- Oxides of Sulfur (SO_X) as Sulfur Dioxide (SO₂)

For on-road vehicles PM₁₀ and PM_{2.5} include vehicle exhaust emissions, tire wear, brake wear and road dust. For off-road vehicles, these items include exhaust emissions and off-road and construction-related dust, where applicable.

NOx is a collective term used to refer to a mixture of nitrogen monoxide (nitric oxide or NO) and nitrogen dioxide (NO₂). NO₂ is the constituent of most interest with regard to air pollution. The ratio of NO₂ to NOx varies based on emission source and other factors, but for modeling purposes NO₂/NOx ratios ranging from 0.5 to 1 are commonly used (SCAQMD, 2006); 1 being the most conservative, although other references cite a lower ratio for diesel exhaust (CIMAC, 2008: 0.05 to 0.1) and a combination of vehicle emissions (Yao, et. al., 2005: 0.1 to 0.3).

SOx is a collective term used to refer to a mixture of sulfur oxides with sulfur dioxide (SO₂) being the component of greatest concern and the most common constituent (SO₃ is found at much lower concentrations). A typical SO₂/SOx ratio is 0.95 for diesel exhaust (CIMAC, 2008).

1.2. Thresholds of Significance

MBARD does not have an adopted threshold of significance for GHG. The federal reporting requirements in 40CFR Part 98, Subpart HH has a threshold of 25,000 MTCO₂e that triggers reporting of GHG related to LFG from landfills. Other air districts commonly use a threshold of significance of 10,000 MTCO₂e per year (South Coast Air Quality Management District (SCAQMD) and Sacramento Metropolitan Air Quality Management District (SMAQMD)) for the operation phase of a project. However, those thresholds were developed for land development projects and are not specifically related to landfill expansion projects. The Bay Area Air Quality Management District (BAAQMD) provides qualitative thresholds for land use projects¹ (which must include A or B), as follows:

¹ Bay Area Air Quality Management District Justification Report, CEQA Thresholds for Evaluating the Significance of Climate Impacts, April 2022.

- A. Projects must include, at a minimum, the following project design elements:
 - 1. Buildings
 - a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).
 - b. The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines.

2. Transportation

- a. Achieve a reduction in project-generated vehicle miles traveled (VMT) below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA:
 - i. Residential projects: 15 percent below the existing VMT per capita
 - ii. Office projects: 15 percent below the existing VMT per employee
 - iii. Retail projects: no net increase in existing VMT
- b. Achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2.
- B. Be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).

SCAQMD provides a low bright-line threshold (3,000 MTCO₂e) for building projects and states that construction emissions should be amortized and added to construction emissions; BAAQMD advises that construction emissions should be disclosed, but do not need to be added to operational emissions. To be conservative and because landfills are constructed in phases, the construction emissions are assumed to be part of operations and are included in the operation emissions described herein. For the purposes of GHG analyses, a conservative zero threshold is used for GHG control.

In their CEQA Guidelines, MBARD provides thresholds of significance for criteria pollutants and health risk from HAPs that are cited herein.

2. Background Air Quality

2.1. Standards

The California Air Resources Board (CARB) and the Environmental Protection Agency (EPA) establish ambient air quality standards for major pollutants at thresholds intended to protect public health. Federal and state standards have been established for ozone, CO, nitrogen dioxide NO₂, sulfur dioxide SO₂, lead, and particulates PM₁₀ and PM_{2.5}. **Table B1** summarizes the California Ambient Air Quality Standards (CAAQS) and the National Ambient Air Quality Standards (NAAQS) for each of these pollutants.

Table B1 Current State and Federal Ambient Air Quality Standards						
Dellestant	Averaging	California ¹	National Standards ^{2,}			
Pollutant	Time	Concentration ³	Primary 3,5	Secondary 3,6		
Ozone ⁸	1-hour	0.09 ppm (180 µg/m³)	_8	C D:		
	8-hour	0.07 ppm (137 µg/m³)	0.07 ppm (137 µg/m³)	Same as Primary Standard		
PM ₁₀	24-hour	50 μg/m ³	150 μg/m ³	Same as Primary		
	Annual Arithmetic Mean	20 µg/m³	-	Same as Primary Standard		
PM _{2.5}	24-hour	_	35 μg/m ³	C D.:		
	Annual Arithmetic Mean	12 µg/m³	12 µg/m³	Same as Primary Standard		
Carbon Monoxide (CO)	1-hour	20 ppm (23 mg/m³)	35 ppm (40 mg/m³)			
	8-hour	9 ppm (10 mg/m³)	9 ppm (10 mg/m ³)	_		
Nitrogen Dioxide	1-hour	0.18 ppm (339 µg/m³)	100 ppb (188 µg/m³)	-		
(NO_2)	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)	0.053 ppm (100 µg/m³)	Same as Primary Standard		
Sulfur Dioxide (SO ₂)	1-hour	0.25 ppm (655 µg/m ³)	75 ppb (196 µg/m³)	_		
	3-hour	-	-	0.5 ppm (1,300 µg/m³)		
	24-hour	0.04 ppm (104 µg/m³)	0.14 ppm (for certain areas) 11	_		
	Annual Arithmetic Mean	_	0.030 ppm (for certain areas) 11	-		
Lead ^{12,13}	30-day Average	1.5 µg/m ³		_		
	Calendar Quarter	_	1.5 µg/m ³ (for certain areas) 12	Same as Primary		
	Rolling 3-month Average		1.5 µg/m ³	Standard		

Table B1 Current State and Federal Ambient Air Quality Standards							
Dollutant	Averaging	California ¹	National Standards ^{2,}				
Pollutant	Time	Concentration ³	Primary 3,5	Secondary 3,6			
Visibility-Reducing Particles ¹⁴	8-hour	See footnote 14					
Sulfates	24-hour	25 µg/m³	No Natio				
Hydrogen Sulfide	1-hour	0.03 ppm (42 µg/m³)	Stand	ards			
Vinyl Chloride ¹²	24-hour	0.01 ppm (26 µg/m³)					

- 1 California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
- 2 National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 μg/m3 is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
- 3 Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
- 4 Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.
- 5 National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
- 6 National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- 7 Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
- 8 On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
- 9 On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 μg/m3 to 12.0 μg/m3. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 μg/m3, as was the annual secondary standard of 15 μg/m3. The existing 24-hour PM10 standards (primary and secondary) of 150 μg/m3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
- 10 To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
- 11 On June 2, 2010, a new 1-hour SO2 standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved. Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
- 12 CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
- 13 The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
- 14 In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Source: Lawrence & Associates 2021

Standards have been set at levels intended to be protective of public health. California standards are more restrictive than federal standards for each of these pollutants except for lead and the eight-hour average for CO. Depending on whether the standards are met or exceeded, the local

air basin is classified as in "attainment" or "non-attainment." Some areas are unclassified, which means no monitoring data are available. Unclassified areas are considered to be in attainment.

2.2. Attainment Status

Table B2 below, summarizes the state and federal attainment status for criteria pollutants in the North Central Coast Air Basin (including Santa Cruz, San Benito and Monterey Counties).

Table B2 Attainment Status for North Central Coast Air Basin						
Pollutant	State Standard	Federal Standard				
Ozone (O ₃) Nonattainment/Transitional Attainment/Unclassified						
Inhalable Particulates (PM ₁₀) Nonattainment Attainmen						
Fine Particulates (PM _{2.5})	Attainment	Attainment/Unclassified				
Carbon Monoxide (CO)	Attainment (Monterey County)	Attainment/Unclassified				
Nitrogen Dioxide (NO _x)	Attainment	Attainment/Unclassified				
Sulfur Dioxide (SO _x)	Sulfur Dioxide (SO _x) Attainment Attainment					
Lead	Attainment	Attainment/Unclassified				
Source: CARB https://ww2.arb.ca.gov/aac	s-designation-tool					

Criteria air pollutant concentrations are measured at several monitoring stations in the North Central Coast Air Basin. The nearest monitoring stations to the project site are the Hollister-Fairview Road station and the Pinnacles National Monument station. Both stations monitor ozone and PM_{2.5} concentrations. The Hollister station, nearest to the Project site also records PM₁₀.

2.3. Background Data

Background air quality data is available from the CARB Air Quality Management Information System (AQMIS) website. Data for PM₁₀, PM_{2.5} and Ozone was available for the Fairview monitoring station located at 1979 Fairview Road in Hollister, approximately 2.5 miles west-northwest of the Project site. The nearest monitoring station for CO, NOx, and NO₂ is located at Salinas High School, approximately 22 miles southwest of the Project site. The Maximum background concentrations for these stations are summarized in **Table B3** on the following page.

Table B3
Maximum Background Concentrations for the Project Area

Pollutant	Averaging Time	Data Source	Ca	lendar Yea	r
			2018	2019	2020
Ozone, ppm	Maximum 1-Hour Concentration	Fairview	0.088	0.079	0.090
	Maximum 8-Hour Concentration	Fairview	0.072	0.067	0.074
	Days > 0.09 ppm State 1 hr Std.	Fairview	0	0	0
	Days > 0.12 ppm Fed 1 hr Std.	Fairview	0	0	0
	Days > 0.08 ppm Fed 8 hr Std.	Fairview	0	0	0
PM ₁₀ , ug/m ³	Maximum 24-Hour Concentration	Fairview	95.9	130.7	159.1
	Annual ¹	Fairview	20.63	17.30	23.17
	Third Highest Annual (background)	Fairview	80.20	57.90	111.7
	Third Highest April-July (bkgnd)	Fairview	36.3	32.3	42.9
	Days > 50 ug/m ³ State 24 hr Std	Fairview	13	7	31
	Days > 150 ug/m ³ Fed 24 hr Std	Fairview	0	0	1
PM _{2.5} , ug/m ³	24-Hour	Fairview	52.8	19.3	89.0
	Annual ¹	Fairview	7.15	5.0	6.8
	Days > 65 ug/m ³ Fed 24 hr Std	Fairview	0	0	0
CO, ppm	1-hour	Salinas High School	35.000	35.000	1.6
	24-hour	Salinas High School	1.813	1.813	1.074
	Days > 9.0 ppm State 8 hr Std	Salinas High School	0	0	0
	Days > 9.0 ppm State 8 hr Std	Salinas High School	0	0	0
NOx, ppm	1-hour	Salinas High School	0.08	0.58	0.56
	24-hour	Salinas High School	0.018	0.018	0.016
NO ₂ , ppm	1-hour	Salinas High School	0.047	0.030	0.032
	24-hour	Salinas High School	0.015	0.014	0.014
	Days > 0.25 ppm State 1 hr Std.	Salinas High School	0	0	0
	Days > 0.1 ppm Fed1 hr Std.	Salinas High School	0	0	0
SO_2		No Data Available			

^{1:} Data Downloaded and Averaged

As described in the MBARD 2012-2015 Air Quality Management Plan, dated March 14, 2017, the North Central Coast Air Basin was nonattainment for the CAAQS for PM_{10} . The CAAQS for PM_{10} is an annual average of 20 μ g/m³, and a 24-hour average of 50 μ g/m³. According to CARB, as of 2020 the North Central Coast Air Basin (NCCAB) along with most of California was still non-attainment.²

The major sources for PM_{10} are fugitive road dust, windblown dust, farming operations, waste burning, construction, mobile sources, and industrial processes. PM_{10} levels in the area around

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² https://ww2.arb.ca.gov/aaqs-designation-tool

the Fairview monitoring station and areas surrounding Hollister are primarily due to farming operations, grading, construction, and motor vehicle emissions. The vicinity surrounding the Project site is used for cattle grazing. **Table B4** summarizes the daily annual exceedances of the CAAQS for PM₁₀. During years when the 50 μ g/m3 standard was exceeded, the exceedance occurred during the late summer/fall months. These months are the driest months of the year and after most crops have been harvested and irrigation ceases. Other months of the year tend to have higher antecedent moisture conditions that tend to reduce dust mobilization. During 2018 through 2020, portions of the Santana Ranch subdivision were constructed adjacent to the monitoring station and the construction may have had a local effect on the reading from the station.

Table B4
PM₁₀ Data Summary Fairview Road, Hollister Station

Year	Days Exceeding 50 µg/m³	Average Annual, μg/m³	Days Exceeding 50 μg/m ³ in August	Days Exceeding 50 μg/m³ in September	Days Exceeding 50 μg/m³ in October	Days Exceeding 50 μg/m³ in November
2015	0	16.42	0	0	0	0
2016	0	15.99	0	0	0	0
2017	11	18.91	0	2	9	0
2018	13	20.63	1	0	0	12
2019	7	17.27	0	0	6	1
2020	31	23.15	8	9	13	1

2.4. Wind Direction

Attachment S contains annual and monthly wind roses. During the spring, summer and fall the wind is predominantly from the west-northwest blowing from the City of Hollister and Fairview monitoring station toward the JSRL. In the winter months the wind is more commonly from the southeast towards the City of Hollister, but at a lower average speed. The source of meteorological data is described in more detail under dispersion monitoring below.

3. Emissions Estimate from LFG Generation

3.1. LandGem Model

The Environmental Protection Agency (EPA) Clean Air Technology Center, provides emissions estimation tools, including the Landfill Gas Emissions Model (LandGEM). LandGEM is a widely accepted industry standard as an automated estimation tool with a Microsoft Excel interface that can be used to estimate emission rates for total landfill gas, methane, carbon dioxide, nonmethane organic compounds, and individual air pollutants from municipal solid waste landfills. This Appendix presents an overview of the LandGEM assumptions, equations, factors, and results pertaining to the project.

3.1.1. First Order Decay Model

Landfill gas (LFG) generation was estimated using the USEPA Landfill Gas Emissions Model (LandGEM). LandGEM uses the following first-order decomposition rate (first order decay) equation to estimate annual landfill-gas (LFG) emissions over a specified time period.

Eq. 1:
$$Q_{CH_4} = \sum_{i=1}^{n} \sum_{j=0,1}^{1} k L_o \left(\frac{M_i}{10} \right) e^{-kt_{ij}}$$

Where:

 Q_{CH4} = Annual methane generation in the year of the calculation (m³/year)

i = 1-year time increment

n = (year of the calculation) - (initial year of waste acceptance)

j = 0.1-year time increment

k = methane generation rate (year⁻¹) or "rate constant"

Lo = potential methane generation capacity (m³/Mg [megagram])

Mi = mass of waste accepted in the ith year (Mg)

 t_{ij} = age of the jth section of waste mass Mi accepted in the ith year (decimal years, e.g., 3.2 years).

First order decomposition is simply logarithmic decay (natural log) over time as compared to a zero-order decay model that predicts linear decay. The LandGEM calculates the LFG generation for the mass of waste that is disposed within a year for a time interval "n" starting with the year after the waste is placed and then every year thereafter until closure is completed and the post-closure period begins.³ In general, readily decayable waste, such as grass clippings and food waste decays quickly and more woody debris decays more slowly. The first order decay model fits this configuration by projecting the highest LFG generation rate for 'n' as the year after burial equal to 1 and then diminishing generation rates during subsequent years. The LandGEM calculates the LFG generation for each year's tonnage based on how long it has been since burial. The model sums LFG generation from each year's waste. Older placed waste will have

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The LandGEM divides each year into 10 steps to provide a better estimate of the average over a one-year period (i).

lower LFG generation and younger waste will have a higher LFG generation rate. The LandGEM estimates LFG generation assuming 50% methane.⁴

In addition to the annual waste tonnage buried, the LandGEM uses two variables to determine the rate of LFG generation; k and L₀ as described below. According to the LandGEM User's Guide, "the model contains two sets of default parameters, CAA defaults and inventory defaults. The CAA defaults are based on federal regulations for MSW landfills laid out by the Clean Air Act (CAA) and can be used for determining whether a landfill is subject to the control requirements of these regulations. The inventory defaults are based on emission factors in EPA's Compilation of Air Pollutant Emission Factors (AP-42) and can be used to generate emission estimates for use in emission inventories and air permits in the absence of site-specific test data."

The LandGEM only allows input of up to a numerical maximum 80 years of landfill life. For longer periods, the annual tonnage must be divided into two model runs and the outputs totaled in a separate spreadsheet (as done herein).

3.1.2. Rate Constant k

The methane generation rate constant "k" is dependent primarily on moisture content and is selected based on the rainfall at the site or, in some cases based on the landfill being capped. A higher rate constant would predict that the LFG generation would occur quickly initially and diminish thereafter. A lower rate constant would predict that the waste decays more slowly and produces more LFG over a longer time period. The LandGEM provides options for arid (0.02), conventional (0.05), and wet (0.07) conditions. In 2020, Hansen and Yesiller calculated k values ranging from 0.007 to 0.22 for several landfills and found the rate to be variable.⁵

Because John Smith Road Landfill (JSRL) receives less than 25 inches of rainfall per year (15 inches average at Hollister), it falls into the arid area category and a k value of 0.02 was selected per the LandGEM guidance (CAA value¹). Even if recovered leachate or condensate is sprinkled on the landfill surface or reinjected, the equivalent rainfall would remain well below 25 inches and the value of k would not change based on the LandGEM guidance.⁶

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⁴ The standard method of reporting LFG generation is a 50% methane; the typical concentration in LFG. The collected LFG at JSRL has a lower methane concentration (typically 38%) because some of the LFG is diluted with surface air during the extraction process.

Hansen, James L., and Yesiller, Nazli, March 25, 2020, Estimation and Comparison of Methane, Nitrous Oxide, and Trace Volatile Organic Compound Emissions and Gas Collection System Efficiencies in California Landfills. p 285.

⁶ The Operator may wish to reinject leachate and condensate into the landfill. The quantity of leachate and condensate from Attachment J of the Design Report is 3.13 million gallons. This quantity is equivalent to additional 0.46 inches per year over the 253-acre Proposed Project Landfill and would not change the y value used, nor the estimated peak LFG generation rate.

3.1.3. Methane Generation Potential Lo

L₀ represents the maximum volume of methane that can be generated per unit input of municipal solid waste (MSW) and is based on the composition of the incoming and previously placed MSW (Krause et al. 2016). High L₀ values are associated with wastes with high cellulose content, equivalent to a high fraction of biodegradable organic carbon. L₀ values typically range between 6.2 to 270 cubic meters per megagram (m³/Mg) wet waste, where higher and lower values have been reported for individual waste components (i.e., paper or food waste alone) (US EPA 2005, Krause et al. 2016).⁷

State (AB-32) and Federal (Subpart XXX) regulations require that an L₀ of 170 m³/Mg (CAA) be used to determine whether a landfill is *subject to the control requirements of these regulations*. In practice, the CAA value significantly overestimates LFG generation and should only be used to determine regulation applicability, which is unchanged for this project. LandGEM also provides Inventory default values of 100 m³/Mg for arid and conventional settings and 96 m³/Mg for wet settings. For the purposes of long-term methane flow, the inventory values are more appropriate default values for "typical" MSW LFG generation as they represent historically "typical" waste in the absence of other regional or site-specific information.

The actual value of L_0 is difficult to predict and varies significantly based on waste composition. A wide range of L_0 is reported in the literature most of which are lower than $100 \text{ m}^3/\text{Mg.}^8$ In 2020, Hansen and Yesiller found that L_0 ranged from 73 to 81 m $^3/\text{Mg_{wet}}$ in 15 studied California landfills with a 95% confidence interval with an average of 78 m $^3/\text{Mg_{wet}}$. These studies suggest that the California L_0 values are lower than the Inventory defaults described above. The study is based on waste placed prior to regulations eliminating the use of processed greenwaste for daily cover and do include appreciable implementation of SB 1383 reductions in organics placed in landfills.

A significant portion of the waste received at JSRL is inert material such as soil, ranges from 10% in 2016 to 17% in 2018, with a long-term average of 13.9%. Inert material does not decay, would not contribute to LFG generation, and would contribute to a lower L₀. As described below and in Attachment A, Civil and Environmental Consultants (CEC) established a L₀ of 60 m³/Mg for John Smith Road Landfill.

Hansen, James L., and Yesiller, Nazli, March 25, 2020, Estimation and Comparison of Methane, Nitrous Oxide, and Trace Volatile Organic Compound Emissions and Gas Collection System Efficiencies in California Landfills.

⁸ USEPA, June 2005, First Order Kinetic Gas Generation Model Parameters for Wet Landfills, EPA-600/R-05/072.

⁹ Hansen, James L., and Yesiller, Nazli, *ibid.* p277.

3.2. LFG System Collection Efficiency

Although not described in the above equation, LFG-system collection efficiency is used to calculate the portion of the LFG generated that is collected by an LFG collection system for comparison of the model to observed flow and to estimate the portion of LFG that escapes as fugitive emissions rather than being collected and destroyed in a flare. The USEPA, in their supporting document for AP-42, indicated that collection efficiency varies widely (57% to 90%) but cited a "possible" 75% collection efficiency assuming the total flow is calculated by the first order decay model using an L₀ of 100 m³/Mg and k of 0.02 (for arid sites), and 50% methane concentration.

In 2019, Hansen and Yesiller, et al. performed a study comparing the results of collection efficiency projected by (1) the dividing the collected LFG by the LFG generation rate produced by the LandGEM to (2) the emissions measured by integrated flux box/surface emissions scanning divided by the total of the surface emissions and collected LFG. They found that the LandGEM significantly over estimated LFG emissions and hence predicted a poor collection efficiency (ranging from 39.6% to 62.5% when the measured efficiency ranged 91.4% to 100%). Based on this paper, the assumed value of 75% from AP-42 is low and is not suitable for modern California landfills.

3.2.1. LandGem Assumptions

Yearly Tonnage

The baseline and projected-project tonnage from Table E-1 in **Attachment E** of the Design Basis Report were entered provided to estimate projected and historical LFG generation in Attachment I of the Design Basis Report. That data was also provided to CEC Consultants to estimate GHG emissions.

SB 1383 and L₀

Promulgated in 2016, State of California Senate Bill (SB) 1383 establishes targets to achieve a 50% reduction in the levels of the statewide disposal of organic waste from the 2014 level by 2020, and a 75% reduction by 2025. Designated Rural Counties including San Benito County are eligible for some waivers to delay implementation, but because the majority of the proposed project tonnage would be from more populous Counties, for the purposes of this analysis, compliance is assumed within the regulatory timeframe. Because L₀ is proportional to the organic content in the waste it is assumed that the L₀ will decrease proportionally to the organic content in accordance with the requirements of SB 1383.

Hansen, James L., and Yesiller, *ibid*. Table 4.28.

As described in Attachment A, using the USEPA LandGEM Model, Civil and Environmental Consultants (CEC), modeled the LFG generation rate for the existing waste using the current L₀ value of 60 m³/Mg. The LFG generation rate for future waste was modeled using an L₀ of 40 m³/Mg based on an estimated 30% reduction in L₀ assuming a 75% reduction in organic content from SB 1383. The long-term LFG generation rate from both the existing and future waste were summed to obtain the total projected LFG generation rate.

Collection Efficiency

Collection efficiency is defined as the percentage of generated LFG that is collected by the LFG extraction system. The remainder escapes the landfill surface as fugitive emissions. As described in Attachment A, CEC assumes a collection efficiency of 80% for the baseline condition for the purposes of GHG emissions based on estimation using the method used in the Federal GHG reporting regulation as described CFR40 Part 98 Subpart HH. As described later in this report, improvements in collection efficiency are a component in reducing GHG emissions.

Limitations

The LandGEM results described herein assume that SB 1383 will be implemented as envisioned, and that the reduction of organic waste within received MSW will provide a proportional reduction in L₀. For the purposes of planning for flare upgrades and LFG to energy projects, L&A recommends verifying the model calibration periodically and updating the L₀ values, if needed, to provide up-to-date predictions.

3.3. LFG Generation Rate

LFG generation for the proposed project was estimated by CEC consultants for the purposes of estimating GHG emissions, using the USEPA LandGEM Model described above. The CEC analyses was used because it relied on LandGEM, which, for the reasons stated above, is likely to provide a conservatively high estimate of LFG Generation and related emissions. Based on LFG flow data as of August 2021, and assuming an 80% collection efficiency, CEC estimated a baseline LFG generation rate of 625 cfm at 50% methane (CH₄).

According to CEC, the peak LFG generation rate would be 2,447 cfm at 50% methane in 2071. Table C3 in **Attachment C** provides estimated flow through the flare versus fugitive emissions for collection efficiencies ranging from 80% to 98%. For a comparison of flare emissions to MBARD thresholds of significance, the highest collection efficiency provides the most conservative estimate of criteria pollutant emissions from the flare. Because health risk is most effected by fugitive LFG emissions (the proportion of gas that is not collected by the LFG

system and escapes through the landfill surface), the lowest collection efficiency provides the most conservatively high emissions. **Table B5** summarizes the peak project flow assuming 95% collection efficiency for conservative criteria pollutant analyses. The relationship between collection efficiency and health risk is described later in this report.

Table B5
Summary of Baseline and LandGEM Model for Proposed Project

	Summary of Busenine and Build Shift Wilder for 11 Opensed 11 Opensed						
Variable	Baseline	Proposed Project Peak ²	Difference				
Year	2021	20712	51				
Assumed collection efficiency	80%	95%	15%				
Total LFG generated, cfm at 50% methane	594	2,447	1,853				
Total methane generated, cfm	297	1,224	927				
Methane flared, cfm	238	1,200	962				
LFG flared, cfm @ 50% methane	475	2,400	1,962				
Methane flared, cfm	238	1,200	962				
Fugitive LFG, cfm @ 50% methane ¹	119	24	-72				
Methane oxidized, cfm	6	-	-				
Fugitive methane, cfm	53	24	-72				

Notes:

- 1. Fugitive: Emitted through cap or into surrounding soil.
- 2. Filling will continue until 2086 but at a much lower rate with a resulting diminishing LFG generation rate.

The final LFG generation rate will vary depending on the change in organic content in the waste stream over time and the rate of waste acceptance. It if the rate of waste acceptance over time is lower than projected, the peak would be lower and would produce less GHG, criteria pollutants, and excess health risk.

3.4. The Carbon Cycle

The carbon cycle describes the process in which carbon atoms continually travel from the atmosphere to the Earth and then back into the atmosphere. Carbon containing gases such a CO₂ are used by plants to obtain carbon from the atmosphere and when they die and decay aerobically (in the presence of oxygen), the CO₂ is released back into the atmosphere. CO₂ from this cycle is called biogenic CO₂. Over the history of the earth plants and animals have been buried before they can decay aerobically, become geologically trapped (such as oil, coal and natural gas) and removed or "sequestered" carbon from the atmosphere. Humans play a major role in the carbon

cycle through activities such as the burning of fossil fuels to release the sequestered carbon in the form of anthropogenic CO₂.

When carbon-containing organic materials are buried in a landfill they cease decaying aerobically and instead of emitting biogenic CO₂, they emit anthropogenic CH₄. When CH₄ is combusted in an LFG flare, the carbon is converted back into CO₂. CO₂ generated from CH₄ combustion at the landfill is considered anthropogenic GHG and are included in the inventory of GHG. Fugitive CH₄ that escapes into the atmosphere is an anthropogenic GHG and is included in the inventory of GHG. CO₂ generated during the waste decay process and either escapes through the landfill surface or passes through the flare is Biogenic Gas and is not included in the GHG inventory. As envisioned in SB 1383, diversion of organics from landfills, aerobic composting, or other recycling, maintains the carbon cycle with minimal methane generation and avoids the need to collect and flare methane when landfilled.

3.5. GHG Emissions from LFG

Emissions of individual and total GHGs are reported as carbon dioxide equivalents (CO₂e) to provide a standard metric for total methane (CH₄) and carbon dioxide (CO₂) emissions. CO₂e equivalents are based on the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report. Per the IPCC, CO₂ has a global warming potential (GWP) of 1, CH₄ has a global warming potential of 25, and nitrous oxide (N₂O) has a global warming potential of 298. For example, the emissions from 1 ton of CH₄ would have an equivalent global warming potential of 25 tons of CO₂e.

As shown in **Attachment A**, the LandGEM model outputs in standard cubic feet per minute (scfm) assuming 50% CH₄ and 50% CO₂ by volume were converted to CO₂e in megagrams per year (Mg/yr). CO₂e in Mg/yr is the same as metric tons of CO₂e (MTCO₂e) per year and 1 Megagram of CH₄ is equivalent to 25 MTCO₂e. Because the rate of LFG generation changes every year, the change in GHG emissions above the baseline was calculated each year as shown in **Attachment A**.

Attachment A assumes the following:

- The change in GHG emissions is caused by the additional waste produced from the Proposed Project waste stream.
- Biogenic CO₂ (generated as part of the normal carbon cycle, per CFR40 Part 98) is not a GHG emission.
- LFG is assumed to be 50% methane and 50% CO₂.

- Of the collected LFG, 99% of the methane is combusted. 11
- Currently 20% of the LFG escapes through the landfill surface as fugitive emissions.
- Of the fugitive emissions 10% of the methane is oxidized to CO₂ and H₂O by microbes in the cover soil and/or processed greenwaste beneficial re-use.
- LFG emissions per cubic yard of waste (L₀) will decrease over time based on removal of organics from the waste stream per SB 1383.

Using the LFG generation rates described above, net changes in methane emissions for the Proposed Project were calculated as shown in **Attachment A** and plotted as emissions on **Figure 2** in **Attachment A**.

3.6. Criteria Pollutant Emissions from LFG

Under the current operation, LFG combusted in the flare stack is tested annually. The most recent test results from the flare emissions (2020) are included in **Attachment C**. Data from the most recent stack test indicates the following:

- Inlet flow rate: 573 cfm dscfm (dry standard cubic feet per minute)
- % Methane: 38.2% CH₄
- Heat Value: 13.09 MMBtu/hr (million British thermal units per hour) heat output, and 997 Btu/DCF of CH₄ (estimated heating value calculated from report data)
- NOx: 9.10 lb/day
- CO: <0.48 lb/day
- SO₂: 39.02 lb/day
- ROG from flare (assuming volatile organic compounds (VOCs) ~: ROG) <0.011 lb/hour
- ROG from fugitive emissions (assuming VOCs ~: ROG): 50 lb/day (See Table C1)
- PM_{10} (estimated): $0.085 / lb/day^{12}$

NOx, SO₂, and PM are byproducts of combustion and do not occur in appreciable amounts in raw LFG (sulfur is present in the form of hydrogen sulfide (H₂S) and converts to SO₂ when combusted). These constituents would not be anticipated in fugitive LFG emissions. VOCs are present in LFG and would be anticipated in trace amounts in fugitive emissions.

The 2020 data and current flow described above were used to project the criteria pollutants emissions from the flare and fugitive emissions of VOCs for the baseline condition described above (Table C2) and the peak flow for the Proposed Project in 2071 (Table C3):

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The actual tested effectiveness was >99.99% based on the 2020 Flare Source Test by Best Environmental. However, 99.00% was used as a conservatively low value, despite future flare or LFGTE methods typically being more efficient than older systems.

¹² Based on 0.0007 grains/dscfm from 2020 Tehama/Red Bluff Landfill Flare Test and 7,000 grains per pound.

Current Operation (baseline):

- 625 dscfm LFG generation extracted at 38% methane
- 475 dscfm combusted by the flare (corrected to 50% methane)
- 594 dscfm generated assuming 80% collection efficiency
- 119 dscfm fugitive
- NOx: 9.88 lb/day
- SO₂: 42.55 lb/day
- ROG from flare (assuming VOCs ~: ROG): <2.96 lb/day
- ROG from fugitive emissions (assuming VOCs ~: ROG): 6.88 lb/day (See Table C3)
- CO: <0.54 lb/day
- PM₁₀ (estimated): 0.09 lb/day

Proposed Project (peak assuming 98% coll. eff. – worst case for flare emissions):

- 2,400 dscfm combusted by the flare (at 98% collection efficiency)
- 47 dscfm fugitive (at 98% collection efficiency may vary)
- NOx: 49.89 lb/day
- SO₂: 214.91 lb/day
- ROG from flare (assuming VOCs ~: ROG): <11.08 lb/day
- ROG from fugitive emissions (assuming VOCs ≥: ROG): 2.84 lb/day (See Table C3)
- CO: <2.27 lb/day
- PM₁₀ (estimated): 0.45 lb/day.
- $PM_{2.5}$ (assume same as PM_{10}): 0.45 lb/day.

The health risk from flare emissions is typically very low. To be conservative, the health risk analysis relies on the upper bound flow (as compared to the lower flow calculated by L&A in the Design Basis Report) because it produces the maximum adverse health impacts. Lower flow may occur, but analyzing the upper bound flow provides flexibility in flare operation.

A sensitivity analyses was performed to determine the maximum flow that would meet the MBARD threshold of significance for SO₂. As shown in **Attachment C**, Table C3, the following would be the maximum flow that would not exceed the 150 lb/day SOx (assuming all is SO₂) threshold of significance:

- 1,709 dscfm total flow assuming 98% is combusted by the flare
- 34 dscfm fugitive
- NOx: 48.36 lb/day
- SO₂: 149.97 lb/day
- ROG from flare (assuming VOCs ~: ROG): <10.1 lb/day

- ROG from fugitive emissions (assuming VOCs ~: ROG): 1.98 lb/day (See Table C3)
- CO: <2.07 lb/day
- PM₁₀ (estimated): 0.32 lb/day.

As described in Section 10 below, the peak SO₂ concentration was modeled to determine whether the concentration at the existing receptors and potential receptors above this flow rate would have the potential to contribute to an exceedance of either the State or Federal AAQS for SO₂, and demonstrate that a flow above 1,709 would not cause an exceedance.

3.6.1. Trace Emissions Calculation from LFG

Trace-gas concentrations and their use in health-risk screening are described in Section 8 of this Report.

4. Vehicle Emissions Estimates

4.1. Methodology

Although the MBARD suggests using the California Emissions Estimator Model (CalEEMod) to model emissions for the purposes of CEQA, CalEEMod was designed for conventional land-use development projects and is not well suited for landfill project applications. In consideration of this, Lawrence & Associates (L&A) used the equations provided in CalEEMod Users Guide version 2016.3.1, Appendix A – Calculation Details, to develop project-specific emissions calculation spreadsheets attached hereto. 13 CalEEMod uses the following general equations to calculate both GHG and criteria pollutant emissions.

4.1.1. On-Road Emissions

For on-road emissions CalEEMod uses the following equation (as modified for this evaluation):

Emissions = $EF \times Activity \times C$

Where:

Emissions = pounds per period (day for criteria pollutants or year for GHG)

Emissions Factor (EF) in gram per mile (g/mi), g/day, g/trip depending on EF =

the activity selected.

Vehicle miles traveled for roadway travel, days for vehicle idling, or trips Activity =

for vehicle starting.

C =Conversion from grams to pounds (1/453.59 g/lb). Because the thresholds

of significance are in pounds per day, the result is converted to lb per day.

¹³ This was the version that was in-use at the time the Notice of Preparation for CEQA was released in February

For on-road equipment CalEEMod obtains EFs from the California Air Resources Board (CARB) EMissons FACtor (EMFAC)2017 Web Database (the version in use at the time that the Notice of Publication was issued) based on the following characteristics:

- Region (San Benito County was selected)
- Calendar Year (based on the year emissions would be generated)
- Season (winter, summer, or average may be selected)
- Vehicle Category (based on the weight and use of the average vehicle)
- Model Year (an individual model year may be selected, or aggregated model years based on the calendar year above).
- Speed (a specific speed or aggregated may be selected).
- Fuel Type (an aggregate of all fuel types may be selected or individual fuel types, including electric, gasoline, diesel, or compressed natural gas).

For each category of on-road vehicle and selected variables, EMFAC2017 provides EFs for the criteria pollutants listed above, total organic gases (TOG), and GHG emissions and including the following categories:

- Based on Miles Traveled:
 - Exhaust (tailpipe) emissions from travel or "running" emissions (RUNEX in g/mi). For PM₁₀ and PM_{2.5}, EFs for three categories of emissions are provided; tailpipe emissions, dust from brake wear, and dust from tire wear. As described later in this report, diesel particulate matter (DPM) is a subset of PM_{2.5} exhaust from diesel vehicles.
- Based on days on each day of operation:
 - o Emissions while idling (IDLEX in g/vehicle/day).
 - O Diurnal Evaporative HC Emissions (DIURN g/vehicle/day) that occur when rising ambient temperatures cause fuel evaporation from gasoline powered vehicles sitting throughout the day, resulting emissions of ROG and TOG.
 - o Resting Evaporative Losses (RESTL g/vehicle/day) that result from small leaks while the vehicle is sitting,
- Based on the Number of Trips:
 - o Increased emissions during vehicle starting (STREX in g/trip).
 - o Hot Soak Evaporative HC Emissions (HTSK g/trip) of ROG and TOG that occur immediately after a trip are due to fuel heating for gasoline vehicles.
 - o Running Loss Evaporative HC Emissions (RUNLS g/trip) of ROG and TOC that occur as a result of hot fuel vapors escape from the fuel system during operation of gasoline powered vehicles.

For each pollutant, the quantity for each type of vehicle is summed to obtain the total pollutant emissions in lb/day for comparison to the thresholds of significance.

For the analyses in the attachments, the 2020 calendar year was selected for the baseline condition as the traffic data was based on that year. For the Proposed Project, a calendar year that matched the project peak traffic was assumed (as described further herein). Miles traveled and trips were estimated as described in the Design Basis Report (L&A 2021) for the project, summarized in **Attachments E** and **K**.

EMFAC2007 does not provide EFs for fugitive road dust. Those must be calculated for paved and unpaved roads based on equations from CalEEMod manual that were obtained by CARB from AP-42. The EFs are estimated based on the site-specific average vehicle weight and constants from AP-42 as shown in **Attachments L**, **M**, **N**, and **O**.

For both on-road and off-road vehicles that travel on paved, graveled, and soil roads, fugitive road dust as PM₁₀ and PM_{2.5}, emissions are estimated using EFs calculated on a condition-specific basis equations from CalEEMod that were taken from USEPA AP-42.

The following is a typical equation for paved surfaces:

$$Ep = [k (sL)^0.91 (W)^1.02]x (1-P/4N)$$

Where:

- E_P = Particulate matter factor (having units matching the units of k); (EF for dust in lb/vehicle mile traveled [VMT]).
- k = Particle size multiplier for particle size range (different ones for PM₁₀ or PM_{2.5}) and units of interest from AP-42, lb/vehicle mile traveled (VMT).
- sL = Road surface silt loading in grams per meter squared (g/m²). Assume 0.4 for lightly used public roads, 0.1 for heavily used public roads and 4.5 for on-site paved roads.
- W = Average weight of vehicle (tons).
- P = Number of wet days with at least 0.01 inch or precipitation during the averaging period.
- N = Number of days for averaging period.

For graveled roads, the following equation is used:

$$EF_{Dust} = [((k * (s/12)a * (S/30)b) / (M/0.5)c)-C] * (1-P/365)$$

Where:

EFDust = Size-specific emission factor (lb/VMT) for unpaved surface.

- k = Particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2, lb/VMT.
- a = Constant from AP-42 for public or industrial road (constant for public road = 1).

- b = Constant from AP-42 for public or industrial road (constant for public road = 0.5).
- c = Constant from AP-42 for public or industrial road (constant for public road = 0.2).
- s = Surface silt content, percent (assumed 6.4% for graveled road at a landfill per AP-42 Section 13.2.2).
- S = Mean vehicle speed, mph (assumed 15 mph).
- M = Surface material moisture, percent (assumed 3% for a relatively dry road).
- C = Constant from AP-42 (0.00036 for PM_{2.5}; 0.00047 for PM₁₀).
- P = Number of wet days with at least 0.01 inch or precipitation during the averaging period (assume 355 for to simulate minimal watering. 0.01-inch equals 0.0561 gal/sy; one pass with a water truck delivers 0.4 to 0.5 gal/sy).

For unpaved industrial roads, the following equation is used:

$$E_{up} = k * (s/12)^a * (W/3)^b$$

Where:

Eup = Size-specific emission factor (lb/VMT) for unpaved surface.

k = Particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2. (0.15 for $PM_{2.5}$; 1.5 for PM_{10}).

s = Surface material silt content, percent, assume 6.4% for graveled or treated roads per AP-42.

W= Mean vehicle weight.

a = Industrial-road constant from AP-42, Table 13.2.2-2 (0.9).

b = Industrial-road constant from AP-42, Table 13.2.2-2 (0.45).

For grading equipment passes, such as graders or scrapers, scraping soil, the following is used (CalEEMod 2020.4.0, Appendix A Page 8):

$$EF_{PM15} = 0.051 \text{ x (S)}^{2.0}$$
, and $EF_{PM10} = EFPM_{15} \text{ x } FPM_{10}$

$$EF_{TSP}$$
 - 0.4 x (S)^{2.5}, and $EF\ PM_{2.5} = EFT_{SP}\ x\ FPM_{2.5}$

Where:

EF = Emissions factor (lb/VMT).

S = Mean vehicle speed (mph).

 $F_{PM2.5} = PM_{2.5}$ scaling factor from AP-42, (0.03).

 $F_{PM10} = PM_{10}$ scaling factor from AP-43, (0.6).

For bulldozers or compactors, the following is used (CalEEMod 2020.4.0, Appendix A Page 8):

$$EF_{PM15} = (C_{PM15} \times s^{1.5}) / M^{1.4}$$
, and $EF_{PM10} = EF_{PM15} \times F_{PM10}$

EFTSP - (
$$C_{TSP} \times s^{1.2}$$
)/ $M^{1.3}$, and $EF_{PM2.5} = EF_{TSP} \times F_{PM2.5}$

Where:

EF = Emissions factor (lb/hr).

C = Coefficient used by AP-42.

s = Material silt content, percent, AP-42 default for overburden is 6.9.

M = Moisture content, percent, AP-42 default is 7.9%.

 $F_{PM2.5}$ = PM_{2.5} scaling factor from AP-42, (0.031) for over burden us (0.105).

 $F_{PM10} = PM_{10}$ scaling factor from AP-43, (0.6) for overburden use (0.75).

For loading soil into off-road dump trucks, or into the hopper of a screening plan use:

EFD = k x (0.0032) x (
$$(U/5)^{1.3} / (M/2)^{1.4}$$
)

Where:

EF = Emissions factor (lb/ton).

k = Particle size factor, dimensionless from AP-42 (PM₁₀ = 0.35; PM_{2.5} = 0.053).

U = Mean wind speed, mph (assumed 6.7 based on average annual from wind rose).

M = Material moisture content, % (AP-42 default is 9%).

The results from each of the equations above is subject to a "control factor." When soil on graveled or unpaved roads is wetted or treated with dust palliatives, the soil particles are less likely to become mobilized into the air. As described in AP-42, Section 13.2.2, and other references, the control factor can be estimated based on moisture ratio of a watered road surface to an un-watered (dry road surface). A moisture ratio of 2 (doubling) the moisture content provides 75% control efficiency. Ninety percent control efficiency requires increasing the moisture by approximately 4.3 times. The UEPA (1988) provided the following equation for control efficiency by watering:

$$C = 100 - ((0.8 \text{ x p x d x t}) / i)$$

Where:

C = Average control efficiency, percent.

p = Potential average hourly daytime evaporation rate, mm/h (Hollister = 4" (0.14 mm/hr) to 8" (0.27 mm/hr) per month from April through July.

d = Average hourly daytime traffic rate, h^{-1} (peak tonnage day travel of 362 trips / 8 hr = 45 t/hr).

 $i = Application intensity, L/m^2 (1 L/m^2 = 0.22 g/sy).$

t = Time between applications, h.

The equation shows that on a July day, 95 percent control efficiency can be attained by applying 0.44 gal/sy (approximately 1,200 gallons, per 1,000 feet of two-lane road) every hour. Ninety percent control would be attained with two passes per hour. More water may be needed on hotter or dryer days and less or none on foggy days. Special attention to watering will be

required when construction is occurring, especially on unpaved soil haul roads between a module excavation and stockpile. As listed in the attached spreadsheets a 90 percent control efficiency is assumed for graveled roads and 95 percent is assumed for unpaved soil haul roads. Excessive water should also be avoided in areas that join paved or graveled roads to reduce muddy conditions and potential tracking onto adjacent pavement.

For paved roads, it is understood that the operator currently utilizes a wheel wash for large trucks, vacuum sweeper, and rumble strips to reduce track-on towards John Smith Road. According the USEPA (1988) vacuum sweeping provides approximately 30 to 40% control efficiency. With the addition of road watering combined with sweeping, the control efficiency can reach 90 to 95%. The analysis assumes that both watering and sweeping should occur when construction is proceeding simultaneously with site operations. It is suggested that, for construction projects, the contractor be required to submit a dust mitigation plan that includes this requirement.

The equations were developed by the EPA based on a limited number of studies and should be considered approximate.

4.1.2. Off-Road Exhaust Emissions

Both CalEEMod and the Carl Moyer Program use the following equation to calculate emissions from off-road vehicles, such as dozers and compactor, used to operate and construct the Landfill:

Emissions = $EF \times Activity \times LF \times HP \times C$

Where:

Emissions = Pounds per period (day for criteria pollutants or year for GHG).

EF = Emissions Factor (EF) in grams per hour per brake horsepower (g/bhp/hr).

Activity = Equipment or vehicle operation hours.

LF = Load Factor (LF) for each equipment type (from CalEEMod or Carl

Mover).

HP = Horsepower of the specific equipment.

C = Conversion from grams to pounds as described above.

Off-road EFs were obtained from three sources:

• NOx, ROG, and PM₁₀ from vehicle exhaust were obtained from Table 9 of the Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer Program). Carl Moyer EFs are based the specific emissions Tier (0, 1, 2, 3, 4I, a 4F) and horsepower range of the off-road engine and are considered more accurate than the CalEEMod tables. Tier 4 engines started being phased-in in 2012. Tier 3 engines

- stopped being manufactured in 2018, leaving a gradual transition to all Tier 4F engines.
- Criteria pollutants PM_{2.5}, CO, and SOx and GHGs CO₂, and CH₄ from vehicle exhaust were obtained from CalEEMod Table 3.4 based on engine year and horsepower range.
- EFs for on-road and off-road vehicle dust (both paved and unpaved surfaces) and construction related dust (including equipment travel, dust from dozers, and dust from soil loading) were calculated using equations in CalEEMod Appendix C as described above and shown in **Attachments F**, **G**, **H**, **L**, **M**, and **O**.

The MBARD CEQA Guidance suggest using URBEMIS for quantification of road dust. URBEMIS is no longer published and was superseded by CalEEMod. CalEEMod uses the equations described above.

4.2. On-Road Emissions from Waste Delivery

4.2.1. Trips and Vehicle Categories

A trip is defined as travel to the Landfill and then return from the Landfill (both ways; round trip). In the design-basis report trips were divided into the following categories along with the EMFAC2017 category used for EFs:

- Self-Haul Residential Assumed to be light/medium-duty pickups, cars, and pickups pulling trailers averaging 8,501 to 10,000 lb gross vehicle weight (GVW) (generally the range of a fully loaded Ford F150, F250 and Some F350's. The EMFAC 2017 designation for this size truck is LHD1 (light-heavy-duty trucks 8,501 10,000 lb GVW). It is assumed that some cars will be smaller, and some trucks will be heavier and that LHD1 represents the average, erring conservatively in the heavier side of the range. According to the U.S. Department of Transportation, Bureau of Transportation Statistics, as of 2015, diesel made up less than 1% of the light trucks (0 to 14,000 lbs) sold. Therefore, for the purposes of emission modeling, LHD1 gasoline emissions factors were used. This category includes employee, visitor, and vendor trips.
- In-County Commercial Assumed to be a mixture of diesel-powered garbage route trucks and contractor trucks. According to the Design Basis Report, this category includes "loads from companies that have a commercial account with the Landfill. The majority of the tonnage from this category is from waste collection companies and is delivered by garbage trucks or in roll-off bins. This category also includes numerous demolition and construction contractors and includes governmental agencies". Because the majority of the loads is via garbage trucks, EMFAC Category T7-SWCV (Solid

Waste Collection Vehicles) is used and assumes that approximately 26% will be natural gas (NG) fueled and 74% will be diesel fueled.

- Out-of-County Assumed to be heavy duty transfer trucks an 80,000 lb GVW. The selected EMFAC designation is T7-CAIRP – DSL.¹⁴
- Out-of-County Self-Haul/Residential was negligible based on facility-provided data.

The above categories do not include on-road trips for landfill operations (such as the water truck). They are analyzed separately as described below.

Because on-road emissions calculations are based on miles traveled, the total miles must be calculated for each of these vehicle categories. Criteria pollutant emissions are calculated on peak-day miles assuming all other days would be less. GHG emissions are calculated based on annual average miles traveled. The methods of calculation are described in detail for each variation, below.

4.2.2. GHG Emissions From Waste Delivery Traffic

For the purposes of GHG analysis the average daily traffic was analyzed both for the baseline (2020) condition and the Proposed Project average trips that would peak in 2069 (as described on the Design Basis Report), after which trips would diminish slightly. **Table B6** summarizes the baseline and Proposed Project trips as described in the Design Basis Report.

Table B6
Baseline and Projected Average Waste Delivery Trips (Maximum in 2069)¹

Category	Baseline Average Trips Per Day	Projected Maximum Average Trips Per Day ²	Change from Baseline	Average over Project Life Trips per Day	Change from Baseline
In-County Residential/Self Haul including HHW, employees and visitors	188	232	44	220	32
In-County Commercial	31	38	7	36	5
Subtotal	219	270	51	256	37
Out-of-County Commercial	36	94	58	65	29
Total	255	364	109	321	66

Notes:

1

^{1.} For GHG modeling purposes each separate year's projected traffic emissions were used to calculate the indirect emissions in Attachment U.

^{2.} Based on 2069 projected traffic. Table 23 in the Design Basis Report is based on the average year with the maximum out-of-County truck trips and has slightly less total traffic than shown here.

The California International Registration Plan (CAIRP) is an option for registering commercial vehicles that allows for interstate operation under a single registration plate and registration certificate (cab card) issued by your "base" state.

As shown in **Attachments E** and **K**, based on the 2020 transaction records for the Landfill, the percentage of trips from each county and large cities were calculated. For the out-of-County trips the approximate road distance to the courthouse in each city or county was used to approximate the average distance of a trip from that city or county. The average number of trips per day from each location was multiplied by the distance and further multiplied by two to obtain the round-trip distance for each trip.

The trip data indicated that 95% of the in-County trips (combination of residential self-haul and in county commercial) were from the City of Hollister and the remaining 5% were from elsewhere in the County. As shown in **Attachments E** and **K** the mileage for in-County trips was prorated based on the proportion of trips from the center of Hollister (assumed to be City Hall) and the approximate centroid of the County (street distance). The trips from in-County commercial and in-County residential self-haul were multiplied by the prorated distance to obtain the miles traveled (x 2 for both ways).

For GHG analyses the average daily miles was multiplied by 361 operating days per year to obtain the average miles per year.

Table F1 in **Attachment F** summarizes the estimated GHG emissions for CO₂, N₂O, and CH₄ for the baseline on-road waste hauling trips. Table G1 in **Attachment G** summarizes the same information for the Proposed Project. For the Proposed Project, it is assumed that California Executive Order (EO N-79-20) would be implemented by 2045, and 60% of all vehicles will be net zero emissions.¹⁵ The EFs for the remaining vehicles would be based on the EMFAC2017 2050 calendar year emissions with aggregate model years.¹⁶ For the period between 2022 and 2045 an EMFAC2017, aggregate 2035 calendar year was assumed for EFs.¹⁷ The information from **Attachments F** and **G** was used to create the modeled annual emissions estimate in **Attachment U**. **Attachment U** summarizes the baseline emissions, peak emissions, and average over the life of the landfill. The following summarizes the total GHG emissions from on-road waste delivery travel from both the current Landfill and Proposed Project (from Attachment U):

• The annual emissions of GHG from on-road traffic for waste delivery under current conditions is estimated to be 3,795 MTCO₂e/yr.

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EO N-79-20 requires that 100% on and off-road vehicles be zero emission by 2045, "where feasible." Therefore, 60% of vehicles which are zero emission were selected as a conservatively low percentage, to provide a conservatively high emissions estimate. Sixty percent was selected as it represents the requirement of 60% of renewable energy by 2030 from SB 100; a previously used milestone.

¹⁶ 2050 is the last future year for which EMFAC2017 provides EFs.

¹⁷ For any given calendar year, EMFAC2017 provides EFs for an "aggregate" of the anticipated vehicle model years (unless specifically selected). In addition, the aggregated speed and aggregated annual (versus seasonal) were selected when downloading EFs.

- The average annual emissions of GHG from on-road traffic for waste delivery under the Proposed Project is estimated to be 2,982 MTCO₂e/yr.
- Average Change: 813 MTCO₂e/yr average decrease over the life of the Landfill.

Table U1 in **Attachment** U shows the projected change in emissions over time. The emission would increase initially as a result of increased traffic and then would decrease over time as emissions technology improves. Over the life of the project, there would be a decrease when compared to the baseline condition.

Table E4 in **Attachment E** shows the mileages assuming that the local trips would continue to a transfer station at the Landfill site and that the waste would be taken to Marina Landfill in Monterey County. Table E4 shows that the mileage would be slightly higher than the Proposed Project and hence GHG emissions would likely also be slightly higher assuming that a transfer station would be implemented at the conclusion of the baseline project in roughly 2036 should the proposed project not be approved.

4.2.3. Criteria Pollutants from Waste Delivery

Compliance with MBARD CEQA Guidance

Criteria pollutant emissions from traffic traveling to the Landfill to deliver waste is not included in the categories of "operational impacts" or "construction impacts" in terms of criteria for significance with CEQA as described in the MBARD CEQA Guidelines. Emissions from these vehicle trips are considered a potential "indirect" impacts as described in Table 5-3 of the MBARD CEQA guidance. VOC (assumed to be equivalent to ROG) and NO_X as NO₂ from indirect sources would be summed with direct sources from operation to evaluate the operational impacts from the project.

Per Table 5-3, for PM₁₀, the CAAQS or NAAQS must not be exceeded along unpaved roads offsite and MBARD recommends dispersion modeling for those roads. For the Proposed Project, the known traffic entering the Landfill follows paved roads, therefore, this analysis is not required or provided.

Per Table 5-3 MBARD CEQA Guidelines (and the text on page 5-4), CO emissions may be considered significant if the project traffic degrades the level of service (LOS) at an intersection or road segment:

- from a D or better to an E or F, or;
- V/C ratio at an LOS E or F increases by 0.05 or more, or;
- a delay at intersection at LOS E or F increases by 10 seconds or more, or:
- reserve capacity at unsignalized intersection at LOS E or F decreases by 50 or more.

If any of these apply, modeling should be undertaken to determine if the project would substantially contribute (550 lb/day) to exceedance of the CO AAQS. If not, the project would not have a significant impact. According to the traffic consultant for the project, none of these thresholds are exceeded and modeling is not required nor provided.

Analysis

Analysis of criteria pollutants from delivered waste trips was based on peak annual traffic assuming that at all other times the emissions would be less. Peak traffic was calculated for both (1) the peak-trip day which occurs on weekends, consisting mostly of local traffic, and has the highest number of trips, but would have lower EFs for those vehicles and (2) the peak tonnage day during which the heavier out-of-County truck trips with higher EFs would prevail. The 2020 (baseline) trips and peak trips for these two categories were obtained from Attachment I of the Design Basis Report and are summarized in **Table B7**.

Table B7
Baseline and Projected Peak Waste Delivery Trips

Category	Baseline Peak Traffic Day Trips	Projected Peak Traffic Day Trips	Change	Baseline Peak Tonnage Day Trips	Projected Peak Tonnage Trips	Change
Year	2020	2070		2020	2042	
In-County Residential/Self Haul including HHW, employees and visitors	433	533	100	155	177	22
In-County Commercial	9	11	2	31	35	4
Subtotal	442	544	102	219	212	26
Out-of-County Commercial	27	34	7	73	151	78
Total	469	578	109	259	363	107

Attachment K shows the mileage calculations similar to those shown in Attachment E described above, except the milage for out-of-County trips are measured to the northern edge of Air District (MBARD) as the criteria for evaluating impacts are whether they would contribute to and exceedance of a State or Federal air quality objective for the Air District. Because most of the out-of-County waste is from the Bay Area, it is assumed that the northern district Boundary is the boundary used for measuring distance from the Landfill entrance to the district Boundary. For the baseline, the distance to the district boundary is 17.05 miles one-way (34.1 miles round trip).

For the Proposed Project, it is assumed that out-of-County waste loads will enter via highway 25 to Fairview Road and exit via the current path (16.17 miles and 16.58 miles respectively for a total of 32.8 miles and average of the new entrance is closer to the boundary by 0.47 miles). The

Google Earth measurements are included in **Attachment K** and summarized on **Figure B2**. As shown on **Figure B2**, another, shorter route using McCloskey Road may also be used. However, the longer path is assumed to provide a conservatively high estimate. For in-County traffic, the distance to the center of Hollister (City Hall) of 5.8 miles is used for the average distance from the City of Hollister and the distance to the Center of the County of 36.8 miles is assumed as the average distance for loads from areas outside of the City of Hollister (**Figure B3**). ¹⁸

Attachment L provides criteria pollutant calculations for current operations. Attachment M provides the criteria pollutant calculations for the Proposed Project. Tables L1 and M1 summarize the totals. Emissions were calculated for both the 2020 baseline peak tonnage days and peak traffic days. If the peak tonnage day trips are based on the out-of-County truck trips, then the tonnage days would reach a maximum in 2042 after which out-of-County Truck traffic would diminish slightly in 2069, after which out-of-County truck trips would cease. Based on peak traffic days, trips reach a maximum in 2069. It is assumed that project emissions on all other days would be lower. Table B8 summarizes the results.

Table B8
Off-Site Waste Delivery Vehicle Emissions Within MBARD (Indirect)

	рм 3	рм 3	SO (SO)			
Analyzed Condition	NOx ¹ (lb/day)	ROG¹ (lb/day)	CO ² (lb/day)	PM ₁₀ ³ (lb/day)	PM _{2.5} ³ (lb/day)	SOx (SO ₂) (lb/day)
Baseline Peak Traffic Day	12.87	1.65	30.67	16.77	4.66	0.18
Baseline Peak Tonnage Day	23.22	0.95	14.48	25.07	6.59	0.15
Proposed Peak Traffic Day (2069)	6.51	0.15	3.75	18.98	4.99	0.15
Proposed Peak Tonnage Day (2042)	22.57	0.29	6.02	46.88	11.98	0.16
Change in Peak Traffic Day	-6.36	-1.5	-26.91	2.21	0.34	-0.03
Change in Peak Tonnage Day	-0.65	-0.66	-8.46	21.81	5.39	0.01

^{1:} Used summer emissions factors per MBARD CEQA Guidelines.

For NOx ROG, and CO, the emissions from the Proposed Project would be lower than the base-line condition under either the 2042 (peak tonnage) or 2069 (peak traffic) scenarios because of improving vehicle emissions efficiencies over time. The increase in PM₁₀ and PM_{2.5} would result from tire wear, brake wear, and primarily road dust from increased trips. Based on the Appendix A of the Design Basis Report, under the peak traffic option, 96% of the trips are from in-County locations and the increase is related to population increase over time. For the peak

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^{2:} Used winter emissions factors per MBARD CEQA Guidelines.

^{3:} Includes exhaust, brake wear, tire wear, and road dust.

¹⁸ Emissions from mileage for waste delivery within the landfill property are included in the operations emissions.

tonnage day option 59% of the trips would be from in County and 42% of the trips would be from out-of-County commercial loads. In this case, the increase would be from a combination of population increase and increased out-of-County tonnage.

The Proposed Project peak tonnage trips emissions are higher than Proposed Project peak emissions because the peak tonnage day has a higher proportion of large trucks. Most of the PM₁₀ and PM_{2.5} emissions come from road dust and higher average vehicle weight produces higher emissions based on the equations in **Attachments L** and **M**.

The baseline project assumes all out-of-County truck traffic follows the same route both to and from the JSRL and the Proposed Project assumes two different routes (Figure B2). During the initial post-expansion period, inbound truck traffic must turn from John Smith Road onto Fairview in a northbound direction and vice versa when travelling to JSRL. During this period, incoming out-of-County trucks would travel to the site via the McCloskey Road route shown on Figure B2 and leave via the existing route on Fairview Road to Shore Road. When the intersection of John Smith Road and Fairview Road is realigned, truck traffic would approach on Fairview from the south and exiting traffic would depart northward on Fairview Road. San Benito County, however, has indicated that intersection realignment has been postponed indefinitely, and the McClosky Road or Shore to Fairview Routes will be used for the foreseeable future. Project emissions from out-of-County truck traffic may be split between the current route and a route using McClosky Road. Residential/self-haul traffic can turn either way from John Smith Road onto Fairview Road and emissions would be split between the two dimensions. Residential/self-haul traffic may also travel via Best Road and not travel on most of John Smith Road. Emissions from the Proposed Project would be higher than the baseline condition on John Smith Road because all of the truck traffic and the majority of the residential/self-haul traffic travels that path.

As requested by the County Planning Department, the emissions from vehicles traveling to the Landfill along John Smith Road were estimated. **Table B9**, on the following page, summarizes the peak trip day, peak tonnage day, and average emissions from the 1.81-mile (each way) road from the intersection of Fairview Road to the Landfill entrance. John Smith Road, north of Best Road, is the only location where all of the traffic converges and uses the same route ultimately to JSRL.

Estimated Emissions from John Smith Road							
Emissions Source	Daily Total NOx Emissions (lbs/day)	Daily Total ROG Emissions (lbs/day)	Daily Total PM ₁₀ Emissions (lbs/day) ¹	Daily Total PM2.5 Emissions (lbs/day) ¹	DPM Emissions (lbs/day) ²	Daily Total CO Emissions (lbs/day)	Daily Total SO ₂ Emissions (lbs/day)
Peak Traffic Day Baseline	2.46	0.21	25.90	6.43	0.0009	5.75	0.05
Peak Traffic Day Proposed Project	2.30	0.30	31.99	7.93	0.0007	5.58	0.01
Difference	(-0.46)	-0.09	6.09	1.50	-0.0002	0.65	-0.04
Peak Tonnage Day Baseline	3.46	2.00	30.50	7.54	0.0026	2.88	0.03
Peak Tonnage Day Proposed Project	4.26	0.13	51.72	12.76	0.0032	2.81	0.02
Difference	0.8	-0.19	21.22	5.22	0.0006	-0.07	-0.01
Average Baseline Average Proposed Project	2.89	0.15	23.64	5.85 8.59	0.0015	3.20	0.01
Difference MBARD	-1.17	-0.12	11.18	2.74	0.0019	0.55	0.02

Table B9

Thresholds

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South of Best Road, the traffic and concentrations would be slightly less. However, for simplicity, it was assumed that all of the traffic travels on John Smith Road. Because diesel particulate matter (DPM) is the only constituent that has an associated health-risk factor (as described further in Section 9 of this report), the PM_{2.5} emissions from diesel vehicles were summed and included in Table B10. According to CARB, DPM is a subset of PM_{2.5} comprising, on average Statewide 8% of PM_{2.5} which was assumed in **Table B10**.¹⁹ Modeling using the data from **Table B10** is described in Section 9 of this report.

4.3. Landfill Operation Emissions

Compliance with MBARD CEQA Guidance

The Emissions from operations were evaluated based on the sum of criteria pollutant emissions from operation within the Landfill property and "indirect" emission of NOx and ROG from traffic travelling from the NCCAB to the entrance of the Landfill as required by Table 5-3 of the MBARD CEQA Guidelines including the sum of the following sources:

VOC (ROG) and NOx as NO₂ from off-site indirect traffic above.

550

150

¹³⁷ 1: Includes exhaust, brake wear, tire wear, and road dust (road dust assumes dry pavement).

^{2:} Assuming 8% of PM_{2.5} from diesel exhaust is DPM.

¹⁹ CARB: https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health

- Fugitive emissions from uncollected LFG as described above.
- Flare emissions from above.
- Emissions from on- and off-road equipment related to landfill operations within the Landfill boundary.
- Emissions from on-road landfill-support equipment.
- Emissions from traffic entering the facility to recycle or dispose of waste.

Miles Within the Site for Waste Delivery

Figure B7 shows the travel distance from the entrance to the farthest disposal area and represents the baseline condition with an average one-way length of approximately 1,020 feet of paved road and 4,040 feet of graveled road for a round trip of approximately 0.38 miles of paved road and 1.53 miles of graveled road round trip.

Figures B8 through **B12** show one-way travel distances for various Proposed Project alternatives overlayed on the sequencing plans from the Design Basis Report. The longest path would be 2.8 miles of paved road (round trip) and 0.51 miles of graveled road. This distance was assumed to represent a conservatively long travel distance for the Proposed Project for "typical" operating emissions. The mileages were multiplied by the peak trip day trips in **Attachment K** to calculate baseline emissions on Tables L6 and L9 in **Attachment L** and the Proposed Project emissions on Tables M6 and M8 in **Attachment M**. The results are summarized on **Table B12** at the end of this section.

Emissions from Off-Road Landfill Operation Support Equipment

The following describes the results of analysis for GHG and criteria pollutants from off-road and on-road equipment used for landfill operations for both the current (baseline) and Proposed Project.

Typical landfill operations include waste placement, burial, and general site maintenance and emissions from both off-road equipment and on-road. The equipment properties (such as horsepower, make and model, tier, model year, and hours per day) were obtained from the Design Basis Report provided by the Landfill fleet service contractor and estimated by the Landfill Operator.^{20,21} **Table B10** (on the following page), lists the equipment currently (as of the end of 2020) used at the Landfill as the baseline condition.

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Load Factors were taken from Table D-7 of Appendix D from *Tables for Emission Reduction and Cost-Effectiveness Calculations*, or value of 1 used when data is unavailable.

Greenhouse Gas Factors Acquired from Table 3.4 of Appendix D Default Data Tables from CalEEMod (2017).

Table B10
Current Equipment for Landfill Operations

r	Current Equi	pinent io	Landini	peracions		ı
Equipment	Manufacturer / Model ¹	Quan.	HP/Tier	Mainline or Support	Av Hours per Day	Hours per Year
	Off-Ro	ad Diesel Ed	quipment (>5	0 hp)		
Bulldozer	Caterpillar D6T LGP ²	1	255 / 4	Mainline ³	8	2,888
Bulldozer	Caterpillar D8T ²	1	310 / 4	Mainline	8	2,888
Motor Grader	Caterpillar 140G	1	150 / 2	Support	2	618
Wheeled Loader	Caterpillar 938M ²	1	182 / 3	Support	2	618
Trash Compactor	Caterpillar 826K ²	1	426 / 4	Mainline	8	2,888
Backhoe	Caterpillar 426C	1	81.8 / 2	Support	2	618
Excavator	John Deere 350	1	283 / 4	Mainline	6	1,854
Dump/Haul Truck	John Deere 350	1	380 / 4	Mainline	6	1,854
Truck Tipper	Columbia	1	156 / 2	Support	8	2,472
Street Sweeper	Elgin, 2019	1	74 / 4F	Mainline	2	722
		On-Road E	Equipment			
Equipment	Manufacturer / Model ¹	Quan.	HP/ Model Year	Mainline or Support	Typ. Miles per Day	Miles per Year
Water Truck	Peterbilt ²	1	330 / 06	Mainline	50 ⁵	11,3725
Mechanic Truck	Ford F550 gasoline	1	330 / 09	Support	20	7,300
Fuel Truck	GMC Utility Truck	1	330 / 10	Support	10	3,610
Roll-off	Volvo K0317 Roll Off Truck	1	300 / 00	Support	0	0
	Incidental Equ	ipment (<50) hp or infre	quently used)		
Air Compressor	Ingersoll Rand 185	1	13	Support	2	
Storm-Water Pump	6-inch Trash Pump	1	30	Support	<1	
Pressure Washer	Pressure Washer	1	<3	Support	<1	
Trash Pump	3-inch Trash Pump	1	<10	Support	<1	
Generator	Generator	1	<10	Support	<1	

Source: Waste Connections, 2021. Notes:

- 1. The manufacturer or model may change over time as equipment is substituted or replaced.
- 2. White noise back-up alarms are installed and utilized on this equipment.
- 3. Mainline equipment are typically considered the minimum equipment needed to operate the Landfill.
- 4. Support equipment is considered supplemental and may or may not be present at any given time.

5.

Table B11, on the following page, lists the equipment for the Proposed Project. The Operator assumes that the equipment would be phased in over a 15-year period as waste received gradually increases between 2022 and 2037 and would be used through 2070 after which the quantity would reduce to approximately the baseline for 15 years.

Table B11
Future Equipment for Landfill Operations

	Future Equi	pment for	Landfill C	Operations		
Equipment	Manufacturer / Model ¹	Quan.	HP/Tier ⁵	Mainline or Support	Av Hours per Day	Hours per Year
•		ad Diesel Ed	uipment (>5			
Bulldozer	Caterpillar D6T LGP ²	1	255 / 4F	Mainline ³	8	2,888
Bulldozer	Caterpillar D8T ²	1	310 / 4F	Mainline	8	2,888
Bulldozer	Caterpillar D8T ²	1	310 / 4F	Support	4	1,444
Motor Grader	Caterpillar 140G	1	150 / 4F	Support	2	722
Wheeled Loader	Caterpillar 950M ²	1	182 / 4F	Support	2	722
Trash Compactor	Caterpillar 826K²	1	426 / 4F	Mainline	8	2,888
Trash Compactor	Caterpillar 826A ²	1	426 / 4F	Support	4	1,444
Backhoe	Caterpillar 426C	1	81.8 / 4F	Support	2	722
Excavator	John Deere 350	1	283 / 4F	Mainline	6	2,166
Dump/Haul Truck	John Deere 350D	1	380 / 4F	Mainline	8	2,888
Dump/Haul Truck	John Deere 350D	1	380 / 4F	Support	6	2,166
Truck Tipper	Columbia	1	156 / 4F	Support	8	2,888
Street Sweeper	Elgin, 2019	1	74 / 4F	Mainline	4	1,440
		On-Road E	Quipment			
Equipment	Manufacturer / Model ¹	Quan.	HP/ Model Year	Mainline or Support	Typ. Miles per Day	Miles per Year Each
Water Truck	Peterbilt ²	2	330 / 06	Mainline	50^{6}	6,7666
Mechanic Truck	Ford F550 gasoline	1	330 / 09	Support	20	7,300
Fuel Truck	GMC Utility Truck	1	330 / 10	Support	10	3,610
RNG Tube Truck	GNG Powered Tractor	1	330 / 23	Mainline	1205	43,800 ⁵
Roll-off	Volvo K0317 Roll Off Truck	1	300 / 00	Support	20	7,300
	Incidental Equ	ipment (<50	hp or infred	quently used)		1
Air compressor Storm-Water	Ingersoll Rand 185	1	13	Support	2	
Pump	6-inch Trash Pump	1	30	Support	<1	
Pressure Washer	Pressure Washer	1	<3	Support	<1	
Trash Pump	3-inch Trash Pump	1	<10	Support	<1	
	1		1	1	1	i e

Source: Waste Connections, 2021. Notes:

Generator

- 1. The manufacturer or model may change over time as equipment is substituted or replaced.
- 2. White noise back-up alarms are installed and utilized on this equipment.
- 3. Mainline equipment are typically considered the minimum equipment needed to operate the Landfill.

1

<10

Support

- 4. Support equipment is considered supplemental and may or may not be present at any given time.
- 5. Assumes peak in 2071 miles within MBARD, mileage will change over time as LFG/RNG production changes.
- 6. Mileage varies seasonally. Assumes 9 loads per day 6 miles round trip. Annual mileage based on water usage from Table B25 divided by 3,600 gal/load x 6 miles round trip.

Generator

<1

Emissions from incidental equipment are considered negligible in comparison to other equipment and are not included in the emissions analysis. Not listed above is the occasional use of a grinder the shred greenwaste. A green-waste grinder is used several times per year with a duration of a few days and is not considered part of normal operations.

4.3.1. GHG

The GHG analysis for the Proposed Project assumes that all Tier 4F off-road equipment will be phased in within 15 years after expansion or sooner (2035) and EFs for an aggregate 2035 calendar year (CalEEMod Table 4.3 for CO₂ and CH₄) are assumed to represent the point at which waste acceptance reaches the projected average. For the Proposed Project, it is assumed that California Executive Order (EO N-79-20) would be implemented and by 2045 and thereafter (until 2070, when the tonnage is reduced to in-County waste only and the emissions would be less) 60% of all vehicles will be net zero emissions (as described in Section 4.2.2, above). Because GHG is based on long term emissions, the weighted average of pre- and post-EO N-79-20 was calculated to obtain the Proposed Project annual GHG emissions below. For GHG analysis, the trip milage for on-road vehicles is assumed to be to and from the point of origin whether within the MBARD or not. Trucks hauling tube trailers from the proposed RNG facility will be operated using RNG (renewable). The analysis indicates that GHG emissions will increase as additional equipment is added, but that the increase will be offset by improving technology.

The data from **Tables B10** and **B11** were used in Tables F2 and G2 in **Attachments F** and **G**, for calculation of the current operation and Proposed Project GHGs, respectively. The average emissions over the proposed project site life are presented in **Attachment U**.

- The annual emissions of GHG from operations equipment under the current condition is estimated to be 1,201 MTCO₂e/yr.
- The average annual emissions of GHG from operations equipment under the Proposed Project would be 980 MTCO₂e/yr.
- Average change over site life: Decrease of 221 MTCO₂e/yr.

4.3.2. Criteria Pollutants

The criteria pollutant analysis for the Proposed Project (**Attachment M**) assumes that all Tier 4F off-road equipment will be phased in within 15 years after expansion or sooner. For the on-road equipment it is assumed that within 15 years of expansion or sooner the average calendar year for on-road equipment would be 2020 (an aggregate of model years) or newer. The emissions include mileage for CNG powered tube trailers to export RNG to the northern MBARD

boundary with a final destination of San Jose assuming that a CNG pipeline injection point will be found within that distance.

Table B12 summarizes the baseline emissions, proposed project emissions and the difference between the two. Both the net change and total proposed project criteria pollutants except PM_{10} would be below the thresholds of significance.

Table B12
Summary of Baseline and Proposed Project On-Site Emissions from Operations and Indirect Emissions

Source	NOx (lb/day)	ROG (lb/day)	CO (lb/day)	PM10¹ (lb/day)	PM2.5 ¹ (lb/day)	SOx (SO ₂) (lb/day)
Baseline Site Operations (Att. L)	19.46	1.48	36.64	66.58	19.4	0.24
Baseline LFG (Att. C)	9.1	9.7^{3}	< 0.54	0.08	0.08	39.2
Baseline Indirect (Att. L)	23.22	0.95	NA	NA	NA	NA
Total	51.78	12.16	36.64	66.66	19.48	39.44
Project Site Operations (Att. M)	14.44	1.58	35.66	67.03	17.45	0.13
Project LFG Peak (Att. C)	49.89	13.923	<2.27	0.45	0.45	214.91
Project Indirect (Att. M)	22.57	0.29	NA	NA	NA	NA
Total	86.90	15.79	35.66	67.48	17.9	215.04
Difference	35.12	3.63	-0.98	0.82	-1.58	175.6
Threshold ²	137	137	550	82	NA	150

Notes: 1: Includes, exhaust, brake wear, tire wear, and road dust.

- 2: Thresholds of significance from Table 5-3, MBARD CEQA Guidelines, 2008
- 3: Assumes detection limit for flare emissions plus fugitive emissions.

For the existing and Proposed projects, all of the emission except PM₁₀ and SO_x falls below the MBARD thresholds. The baseline assumes a 75% dust control efficiency for both paved and graveled roads (infrequent road watering; one or two times per day during dry periods). For the Proposed Project, 75% dust control efficiency is assumed for paved roads and 90% for unpaved roads.

According to the USEPA (1988) vacuum sweeping of paved roads alone (without watering) provides up to 37% dust control efficiency for paved roads. A dust control efficiency of up to 96% can be achieved by water repeated flushing at 0.48 gal/yd² followed by vacuum sweeping.

According to NIOSH, 2019, 74% dust control efficiency can be maintained on unpaved (soil) haul roads by watering every 3 to 4 hours (varying with wind and temperature conditions) and 95% control efficiency can be obtained by watering every half hour. Polymer soil treatment can achieve 94% to 100% control efficiency when applied once a week or less and 74% to 81% when applied every 4 weeks or less. According to the water application equation described earlier in this report, 95% dust control efficiency can likely be maintained on soil roads with

hourly watering and 90% can be maintained with watering every two hours during dry weather (assuming July).

A significant amount of the particulate matter emissions from operations (emissions from module construction are described separately below) is reduced on peak traffic days during dry periods using the following current management practices/design features:

- Minimize vehicle speed by posting speed limits on paved and unpaved roadways.
- Use rumble plates or speed bumps.
- Provide dust control on graveled and unpaved roads by watering as needed for temperature and wind conditions.
- Paved roads create less dust than graveled or unpaved roads. The Figures showing sequencing in the Design Basis Report indicate that paved roads will be lengthened as the Landfill expands and most other roads will be graveled.
- Dust generation is proportional to vehicle trips. The Design Basis Report indicated that a public tipping area will be located near the entrance to reduce length of on-site travel and reduce trips over graveled and paved surfaces.
- The Landfill currently implements a wheel wash for large trucks during muddy conditions. The Design Basis Report indicates that one will be used for the Proposed Project.
- Rumble strips will be provided and maintained at the end of the paved roads where they turn to gravel or unpaved roads.
- Sweep paved roads daily or as needed to reduce dust loading.
- Water paved roads during dry weather, peak traffic, times to reduce dust mobility.
- When using road graders simultaneously with other earthwork, keep the average speed below 5 mph.
- Water active bulk excavation areas at least twice daily. Frequency should be based on the type of operation, soil, and wind exposure.
- Prohibit all grading activities (bulk excavation or road grading does not include excavation of soil for, and covering waste) during periods of sustained high wind (over 15 mph) as measured at the Landfill.
- Hydroseed or place straw cover over cut and fill areas related to bulk excavation as soon feasible after work completion.
- Cover intermediate soil cover (12-inches soil in locations not anticipated to receive waste 180 days) on final outside slopes and long-term internal slopes with processed green waste, if available. If not available, apply straw at a minimum of 3 tons per acre prior to winter.
- Haul trucks bringing gravel or loose soil materials to the site on public roads shall maintain at least 2'0" of freeboard or be covered.

• Post a publicly visible sign which specifies the telephone number to contact regarding dust complaints. This respondent (typically the landfill manager) responds to complaints and takes corrective action within 48 hours.

It is assumed that the operator currently implements these management practices/design features or will as part of the project. These management practices/design features are not considered mitigations. Many of the management practices/design features need not be implemented during wet, foggy, high-moisture, or low-traffic conditions when there is no observable wind-blown dust without them.

4.4. Construction Emissions

4.4.1. Assumptions

Based on the Design Basis Report, the remaining construction for the current project would be for installation of the Final Closure Cap and would occur during a single summer construction season in approximately 2037 if the Landfill is not expanded. For the Proposed Project construction projects would include the following:

- Construction of Landfill Modules every one to three years.
- Construction of the Landfill Entrance and RNG Facility Infrastructure.²²
- Class I Area Clean Closure.
- Construction of the Final Closure Cap.

Tables B13 through **B16**, on the following pages, summarize the construction equipment for each of these projects as described in the Design Basis Report. The information from these tables was used in the corresponding tables in **Attachment H** to estimate GHG emissions and in **Attachment N** to calculate criteria pollutant emissions as summarized after the following tables.

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²² The building pad & utilities for the RNG facility would be established during construction of the entrance. Placement of the equipment will be performed later.

Table B13
Construction Equipment per Module

	Construction Equipment per Module							
Equipment	Manufacturer/ Model ¹	Quan.	НР	Use	Average Hours per Day	Working Days Per Project ²	Hours per Project	
			Off-H	lighway Diesel				
Bulldozer	Caterpillar D6T LGP	1	165	LCRS, ops layer	8	15	120	
Bulldozer	Caterpillar D8T	1	310	Clearing, ripping, spreading	8	50	2,888	
Bulldozer	Caterpillar D6R	1	140	Feeding screen	8	25	200	
Motor Grader	Caterpillar 140G	1	150	Fine grading	8	5	40	
Wheeled Loader	Caterpillar 938M	1	190	Moving LCRS gravel, loading screened soil	2	30	60	
Pad-Foot Compactor	Caterpillar 826C	1	341	Compacting structural fills & clay layer	8	10	80	
Smooth Drum Compactor	Caterpillar CS34	1	74	Compacting top of clay & road surfaces	8	5	40	
Backhoe	Caterpillar 426C	1	88	Trenches	8	5	40	
Excavator	John Deere 350	2	271	3, hauling screened soil, boulder breaking	8	50	800	
Dump/Haul Truck	Caterpillar 740	3	453	Bulk excavation, hauling screened soil	8	50	1,200	
Screening Plant	Spyder 514TS	1	74	Screening soil	8	25	200	
Extended Loader	JCB 20TC	1	74	Unload geomembranes	8	5	40	

Continued on the Next Page

Table B13 Construction Equipment per Module (continued)

				hway Diesel	,		
Equipment	Type¹	Quan.	НР	Use	Miles/ Round Trip Each ³	Working Days Per Project ²	Miles / Project
Belly Dump	Peterbilt	8	380	Aggregate	60	2	960
Low Boy	Peterbilt	6	380	Equipment Mob	200	2	2,400
Flat Bed or Van	Peterbilt	8	380	Materials Delivery	200	1	1,600
Water Truck	50,000 GVW	1	330	Dust control	963	94	9,024
Mechanic Truck	Ford F350	1	215	Support	4	94	376
Fuel Truck	GMC Utility Truck	1	215	Support	20	94	1,880
Forman Truck	Ford F350	1	215	Support	20	94	1,880
Light Truck	Ford F350 or equal	2	215	Support	60	120	14,400

Notes:

- 1. The manufacturer or model may be different based on specific contractor.
- 2. Assumes: Bulk excavation of 200,000 CY at 5,000 CY/day. Assumes 15 workdays for screening.
 - a. Clearing: 2 days
 - b. Bulk Excavation: 200,000 CY at 4,000 CY/Day = 50 days
 - c. Screening: 25,000 CY at 1,000 CY/Day = 25 days concurrently with bulk excavation
 - d. Clay Placement: 8,000 CY at 1,000 CY/day = 8 days after bulk excavation
 - e. Geomembrane and GCL Placement: 10 days
 - f. HDPE Piping: 4 days
 - g. LCRS & Drainage gravel: 5 days
 - h. Operations Layer: 5 days
 - i. Drainage & Erosion Control: 10 days
 - j. Total Workdays: 94 = 131.6 Calendar Days = 4.32 months
- 3. Includes miles only within San Benito County.

For criteria pollutants from off-road equipment EFs for NOx, ROG, and PM₁₀ were obtained from Carl Moyer Table D9 and were assumed to have Tier 4F emissions as lower Tier equipment is being phased out (Tier 3 ended production in 2018). EFs for criteria pollutants PM_{2.5}, CO, and SOx were obtained from CalEEMod Table 3.4 assuming 2010 model year or better.²³

For on-road equipment EFs were obtained from EMFAC2017 assuming a 2023 calendar year with aggregate model years. This provides a conservatively high estimate of emissions assuming that future modules would have newer vehicles and emissions would be lower over time.

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On-road PM₁₀ and PM_{2.5} emissions include exhaust, brake wear, tire wear, and fugitive dust emissions for all of the analyses described herein.

Table B14
Construction Equipment for Entrance Project

	Const	Tuction 1	- quipi	Hent for Entrance i	roject	ı	
Equipment	Manufacturer/ Model ¹	Quan.	HP	Use	Average Hours per Day	Working Days Per Project ²	Hours per Project
			Off-H	lighway Diesel			
Bulldozer	Caterpillar D8T	2	310	Clearing, ripping, spreading	8	78	1,248
Motor Grader	Caterpillar 140G	1	150	Fine grading roads	8	5	40
Wheeled Loader	Caterpillar 938M	1	190	Moving pavement gravel	2	30	60
Water Truck	Peterbilt	1	330	Soil moisture & dust	6	98	588
Pad-Foot Compactor	Caterpillar 826C	2	341	Compacting structural fills	8	68	1,088
Smooth Drum Compactor	Caterpillar CS34	1	74	Compacting & road prior to pavement Surfaces	8	5	40
Backhoe	Caterpillar 426C	1	88	Trenches footings	8	10	80
Excavator	John Deere 350	2	271	Excavating soil and loading, boulder breaking	8	50	800
Dump/Haul Truck	Caterpillar 740	3	453	Bulk excavation, hauling soil	8	98	2,352

Continued on next page

Table B14
Construction Equipment for Entrance & RNG Project (continued)

					`	ĺ	
F	Manufacturer/	0	ш	W	Average Hours	Working Days Per	Hours per
Equipment	Model ¹	Quan.	HP	Use	per Day	Project ²	Project
	1			y Diesel (continued)	_	1	1
Extended Loader	JCB 20TC	1	74	Scale placement	8	5	40
Paving Machine	CAT AP655F	1	173	Paving	8	2	16
			On-H	ighway Diesel			
Equipment	Type ¹	Quan.	HP	Use	Miles/ Round Trip Each ³	Trips	Miles / Project
Crane	Terex RS 70100	1	450	Scale placement	200	2	400
Belly Dump	Peterbilt	8	380	Aggregate pr asphalt	30	30	7,200
Low Boy	Peterbilt	12	380	Equipment mob	200	2	4,800
Hydroseed	FINN T330	1	380	Seed & mulch	20	20	400
Water Truck	Peterbilt	1	380	Soil moisture	10	800	8,000
Flat Bed, concrete truck, or Van	Peterbilt	8	380	Materials delivery	200	1	1,600
Mechanic Truck	Ford F350	1	215	Support	10	129	1,290
Fuel Truck	GMC Utility Truck	1	215	Support	10	129	1,290
Forman Truck	Ford F350	1	215	Support	10	129	1,290
Light Truck	Ford F350 or equal	2	215	Support	60	129	15,480

Notes:

- 1. The manufacturer or model may be different based on specific contractor.
- 2. Assumes: bulk excavation of 230,000 CY at 4,000 CY/day.
 - a. Clearing: 5 days.
 - b. RCP Culvert placement (under visual berm): 5 days, concurrently with clearing.
 - c. Phase 1 bulk excavation, basin backfill, and new basin embankment: 230,000 CY at 4,000 CY/Day = 58 days.
 - d. Phase 2 pavement demolition: 5 days.
 - e. Phase 2 structural fill 20,000 CY & 1,000 CY/Day = 20 days.
 - f. Underground utilities, upgrade electrical for RNG, wheel wash & misc. work: 10 days.
 - g. Scale footings, RNG equipment pads & curbs: 10 days, part concurrently with underground & part after scale pad demolition.
 - h. Base and paving: 7 days.
 - i. Office trailer & scalehouse installation: 2 days.
 - j. Move scale decks: 2 days.
 - k. Demolish old scale footings: 5 days.
 - 1. Drainage & Erosion Control: 5 days.
 - m. Total Workdays: 129 = 181 Calendar Days = 5.9 months.

Table B15
Construction Equipment for Class I Area Clean Closure

	Manufacturer				Average Hours	Working Days Per	Hours
Equipment	/Model ¹	Quan.	HP	Use	per Day	Project ²	per Project
	•		Off-H	lighway Diesel		3	
Bulldozer	Caterpillar D8T	1	310	Clearing, ripping, spreading	8	73	56
Backhoe	Caterpillar 426C	1	88	Misc. Clean-up and sampling	8	23 1,2,3	184
Excavator	John Deere 350	1	271	Excavation & loading soil.	8	23 ^{1,2,3}	184
Dump/Haul Truck	Caterpillar 740	2	453	Hauling non- hazardous soil to landfill working face	8	14 ^{1,3}	224
			On-H	lighway Diesel			
	Manufacturer / Model or				Average Miles per	Working Days Per	Miles per
Equipment	weight ¹	Quan.	HP	Use	Day	Project ²	Project
Water Truck	50,000 GVW	1	330	Dust control	96^{4}	23	2,208
Maintenance	50 000 OTT					l i	
Truck	50,000 GW	1	330	Fueling & lubricating equipment	12	23	276
Truck Flatbed for Mobilization	80,000 GVW	4	330		12	23	276 800
Flatbed for				equipment			
Flatbed for Mobilization End Dump Soil	80,000 GVW	4	334	equipment Equipment hauling	100	2	800

- 1. Assuming closure cap and clean fill soil removal at 6,400 cy/1,000 cy/day, round up = 7 days.
- 2. Assuming hazardous waste excavation and loading of 3,500 cy (13 cy/load, 15 min/load 32 loads/day 416 cy/day), rounded up = 9 days.
- 3. Assuming 13,000 cy non-hazardous soil at 2,000 CY/day, rounded up = 7 days.
- 4. Assume two loads per hour for 8 hours at 6 miles per load = 96 miles.
- 5. Assume 1.5 trips per day per truck assuming average of 50 mph for 137 miles one way = 411 miles/day.

Table B16
Construction Equipment for Closure Project per Year

					1	XX71 *	TT
	Manuela Manuel				Average Hours	Working	Hours
Equipment	Manufacturer/ Model ¹	Quan.	НР	Use	per Day	Days Per Project	per Project
Equipment	Model	Quan.		ighway Diesel	per Day	Froject	Froject
Bulldozer	Caterpillar D8T	2	310	Clearing, ripping,	8	100	1,600
				spreading			,
Motor Grader	Caterpillar 140G	1	150	Fine grading roads, ditches	8	50	400
Wheeled Loader	Caterpillar 938M	1	190	Moving pavement gravel, ditch soil	8	10	60
Pad-Foot Compactor	Caterpillar 826C	2	341	Compacting structural fills	8	68	1,088
Smooth Drum Compactor	Caterpillar CS34	1	74	Compacting & road prior to pavement surfaces	8	5	40
Backhoe	Caterpillar 426C	1	88	Trenches footings	8	10	80
Excavator	John Deere 350	1	271	Excavating soil and loading, boulder breaking	8	10	80
Earth Mover	Caterpillar 637K	6	860	Bulk excavation, hauling soil	8	100	4,800
			On-Hi	ghway Diesel	•	•	
Equipment	Type ¹	Quan.	HP	Use	Miles/ Trip Each	Trips	Miles / Project
Belly Dump	Peterbilt	8	380	Aggregate	30	2	480
Low Boy	Peterbilt	15	380	Equipment Mob	200	2	4,800
Flat Bed or Van	Peterbilt	8	380	Materials delivery	200	1	1,600
Hydroseed	FINN T330	2	380	Seed & mulch	20	20	800
Water Truck	Peterbilt	2	380	Soil moisture	10	960	19,200
Mechanic Truck	Ford F350	1	215	Support	10	120	1,200
Fuel Truck	GMC Utility Truck	1	215	Support	10	120	1,200
Forman Truck	Ford F350	1	215	Support	10	120	1,200
Light Truck	Ford F350 or equal	2	215	Support	60	120	14,400

Notes:

- 1. The manufacturer or model may be different based on specific contractor.
 - a. Assumes: bulk excavation of 1,000,000 CY/year at 10,000 CY/day = 100 workdays or =140 calendar days.
 - b. Clearing: 5 days concurrently with bulk excavation.
 - c. Base for road on cap 5 days.
 - d. Drainage & Erosion Control: 10 days.
 - e. Total Workdays: 120 = 161 Calendar Days = 5.3 months.

4.4.2. GHG Emissions

GHG emissions were calculated for each of the projects described in **Tables B13** through **B16**. For module construction, EFs for off-road vehicles were obtained from CalEEMod Table 3.4, assuming a 2010 model year or newer. For on-road vehicles EFs for each vehicle and fuel type were obtained from EMFAC 2017 assuming a 2023 calendar year with aggregate model year and speed. These assumptions are based on the first Module being constructed as early as 2023. GHG emissions would decrease somewhat during later modules. Module construction projects would be constructed every one to three years and for modeling purposes, it is assumed that a Module would be constructed every other year and the two-year averaged is assumed for average annual GHG emissions.

For the entrance project, a 2025 construction year was assumed with 2015 or newer model year for off-road equipment and a 2025 calendar year and aggregate model year for each type and fuel type on-road vehicle.

Based on the discussion in the Design Basis Report, it is likely that the clean closure would occur sometime around or after 2037. Therefore a 2030 or newer model year was assumed for off-road equipment. For on-road equipment, the emissions were calculated using a 2037 calendar year with an aggregate model year for each type and fuel type on-road vehicle.

Based on the discussion in the Design Basis Report, if the Landfill does not expand, 58 acres would be closed in approximately 2037. Therefore a 2030 or newer model year was assumed for off-road equipment. For on-road equipment, a 2037 calendar year with aggregate model year was selected. For final closure of the Proposed Project, it is assumed that the final cap would be 253 acres or 4.36 times the size of the 58-acre project. For GHG analysis, the EFs don't change significantly after 2030 and the same assumptions for a 2037 closure are assumed for final closure. For on-road equipment, the 2037 calendar year and aggregate model year was used. Except that because final closure will occur after 2045, 40% of the calculated emissions was used assuming that 60% of vehicle emissions would be carbon neutral.

For the existing operation, only the closure project remains per Table H3 in **Attachment H**. For the Proposed Project, the following assumptions were made:

- 1. Calculating the MTCO₂e emissions per construction project using Tables H5 and H6 as summarized in Table H1.
- 2. Multiplying the result from Table H1 x 29 construction projects (over the 65-year site life).

- 3. Calculating the MTCO₂e emissions for the closure cap by multiplying the emissions from Table 2 x 4.36 (253 Proposed Project acres/58 current operation acres) to estimate the Proposed Project closure cap emissions.
- 4. Summing items 2 through 4 and dividing by a site life of 65 years as shown in Table H4 in **Attachment H**.

Table B17 summarizes the projected current and Proposed Project GHG construction emissions. **Attachment H** contain the detailed analyses.

Table B17
GHG Analyses from Construction Projects

Project	Current Operation, MTCO2e	Proposed Project, MTCO2e
Module Construction	None Remaining	116/project ¹
Entrance Construction	NA	227/project
Class I Area Clean Closure	NA	73/project
Final Closure	695/project ²	3,031/7 projects ³
Total Average Over Site Life	41/year ⁴	86/year ⁵

Notes:

- 1. Assumed to be 29 construction projects over 65 years of the site life.
- 2. 58-acre closure in one year.
- 3. See Table U-1 in **Attachment U**. Assume 6 partial final closures and one final closure project for the purposes of modeling.
- 4. Assuming average over 17 remaining years in Table U-1.
- 5. Average of all projects from Table U-1 averaged over the roughly 65-year site life.

Table U-1 in **Attachment U** shows a typical sequence of construction projects for the life of the current landfill and Proposed Project. The final sequence will be different. On average, emissions would increase by 77 MTCO₂e/yr.

4.4.3. Criteria Pollutants

For the construction projects described in **Tables B13** through **B17** above, the emissions from the anticipated highest phase of construction for a representative project were estimated. The highest emissions phase of construction occurs when the greatest quantity of high-horsepower heavy equipment is operating. Bulk excavation during Module construction is anticipated to use the most equipment. During the bulk-excavation phase of module construction at JSRL, the bedrock is ripped using a dozer, loaded into off-road dump trucks and taken to a stockpile where it is dumped and spread by another dozer. Concurrently excavated, ripped rock is taken to a screening plant dumped in a pile and either pushed into a screen hopper by a loader or small dozer and the screen material stockpiled for later use in the low hydraulic clay layer or operations layer. This phase of construction typically occurs starting in mid-April and lasting 2 to 2-1/2 months. It is assumed that the earliest module construction would occur in 2023 and every two years thereafter.

Load factors for all emissions were obtained from the Carl Moyer Program, Table D-7. EFs for NOx, ROG, and PM₁₀ for off-road vehicles were obtained from the Carl Moyer Table D-9, assuming Tier 4F engines for all vehicles over 200 hp, and Tier 3 engines for all other equipment EFs for PM_{2.5}, CO, and SOx were obtained from CalEEMod Table 3.4 assuming a 2010 or newer model year. It is assumed that emissions equipment will improve over time and that emissions will gradually diminish in the future. Therefore, the analyzed value for vehicle exhaust is considered conservatively high. The PM₁₀ and PM_{2.5} results for off-road equipment include fugitive dust from unpaved travel to and from the excavation area to a stockpile or to the screening plant, dust from dozers and loaders, and dust from loading and unloading the haul trucks and screening plant. PM₁₀ and PM_{2.5} emissions from off-road vehicle exhaust are negligible in comparison to fugitive dust.

For on-road vehicles the EFs for each vehicle and fuel type were obtained from EMFAC2017 assuming a 2023 calendar year, with aggregate model year and aggregate speed. For on-road vehicles PM₁₀ and PM_{2.5} included exhaust emissions, brake wear, tire wear and fugitive emissions from paved and unpaved road dust.

In addition, bulk excavation emissions from paving the new entrance area were also estimated. Paving would not occur concurrently with bulk excavation and should not be summed with the typical construction project but would contribute to VOC emissions during the later stages of the entrance construction project.

Table B18 summarizes the estimated criteria pollutant emissions for the typical construction project from **Attachment N**.

Table B18
Peak Criteria Pollutant Analyses from Typical Construction Project, lb/day

Project	NOx	ROG	CO	PM ₁₀	PM _{2.5}	SOx
Typical Construction Project	11.79	1.23	56.75	61.93	22.74	0.14
Entrance Paving		4.85				
MBARD Thresholds	137	137	500	82	82	82

In this case, construction emissions are considered short term impacts for comparison to MBARD thresholds of significance per MBARD CEQA guidelines.

As modeled, the control factor for off-road dust from off-road haul trucks is assumed to be 95% and will require hourly watering during dry summer days or the application and maintenance of dust palliatives on the unpaved soil haul path, or both. The following management practices/design features are assumed as part of the Proposed Project as the project proponent has agreed to implement them as part of the project:

- Require that construction equipment reduce speed to 15 mph or less unless the Contractor provides a dust control plan for higher speeds.
- Suspend bulk hauling on unpaved roads when sustained wind speeds are over 15 mph.
- Require the Contractor to provide a dust control plan to ensure that they understand the importance of careful dust control.
- After establishing off-road dump-truck or scraper routes, apply dust palliative, or provide frequent watering with the frequency depending on temperature, humidity and wind speed.
- Water graveled roads accessed by construction support equipment.
- Water soil in ripping, loading, and unloading areas.
- Provide water mist on screening plant as needed without interfering with production.
- Water all active construction areas at least twice daily. Frequency should be based on the type of operation, soil, and wind exposure.
- Haul trucks bringing gravel or loose soil materials to the site on public roads shall maintain at least 2'0" of freeboard or be covered.

The degree to which these management practices/design features would be implemented will depend on conditions and may not need to be implemented during wet, foggy, or high-moisture conditions during periods where no visible windblown dust is observed.

The modeled emissions assume that exhaust emissions are reduced:

- Limit idling to 5 minutes (as currently required).
- Require all equipment over 200 hp to be Tier 4F or an equivalent of using the average of all off-road equipment (e.g., a 200 hp Tier 3 piece of equipment may be used if numerous smaller ones are Tier 4).

4.5. Emissions from Combined Scenarios

While estimates of typical emissions for both operations during peak traffic days and described control measures to reduce dust emissions are described above, the combination of operations emissions, flare emissions, fugitive GHG emissions, and construction emissions can occur simultaneously and have the potential to exceed MBARD thresholds on a combined (summed) basis. Because of that potential, L&A developed scenarios for five projects that would be the closest to property boundaries and/or surrounding receptors. Additionally, the combined scenarios provide the ability to model PM₁₀.

Each scenario includes the following categories:

- Emissions from both support traffic (e.g., water truck, maintenance truck, carpool van), and peak tonnage day waste delivery (peak tonnage day have a high proportion of heavy vehicles that produce higher calculated EFs for PM₁₀) on the paved portion of the on-site road at the time of a construction project.
- Emissions from both support traffic, and peak tonnage day waste delivery on the graveled portion of the on-site road that extends from the paved road to the landfill working face.
- Emissions from construction support vehicles from the end of the paved road along an unpaved road to a module construction area.
- Emissions for haul tucks from a module construction area to the anticipated stockpile.
- Waste filling and daily cover operations at the landfill working face, assuming one acre.
- Excavation activities at the construction site including ripping, excavating, and loading soil.
- Activities at the stockpile area, including unloading and spreading soil, and screening soil to make clay.
- Peak emissions from the flare and fugitive LFG emissions (not likely to occur simultaneously with module construction but are included to provide conservatively high analysis).
- Indirect (off-site) emissions for ROG and NOx for comparison to the MBARD thresholds of significance (not included in dispersion modeling)
- Emissions from Entrance Queuing (not included in dispersion modeling).

Bulk excavation typically occurs in the spring starting in April and ending in June or July. To the degree feasible, soil is excavated for daily cover from the next Module to be constructed and the landfill working face tends to be near the next module as that is where waste will be filled next. Scenarios 1 and 5 are the exception to this rule, as excavation of the entrance and clean closure of the Class I Area would occur at different location than the working face at the time. Figures B8 through B12 shows the configuration of each scenario. Figure B7 shows the baseline condition summary as of late 2020/early 2021. The above scenarios assume that the mitigation measures for operation and construction described above will be incorporated. Attachments O.1 through O.6 include the calculation spreadsheets for the baseline and the five scenarios shown on the Figures. The closure scenario was not calculated as the Landfill would not be operating at the time and the closure scenario would have lower emissions than the alternatives.

Tables B19 through **B24** show the emissions summary and the baseline (2021) condition and for each scenario, a comparison to the baseline condition, and a comparison the MBARD CEQA thresholds of significance. The calculation worksheets are in **Attachment O**.

Table B19
Combined Operations and Construction – Baseline Scenario

Location	PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG (VOC), lb/day	NOx, lb/day	CO, lb/	SO ₂ , lb/day
Emissions from Paved Road	16.77	2.58	2.12	1.53	3.53	0.03
Emissions from Graveled Road	50.34	6.01	8.47	6.11	14.12	0.12
Emissions from Unpaved Road	6.95	0.70	0.00	0.00	0.00	0.00
Emissions from Soil Haul Path	0.00	0.00	0.17	4.43	4.44	0.02
Emissions from Waste Disposal Area	6.64	4.98	1.21	17.80	40.88	0.07
Emissions from Construction Area	0.00	0.00	0.07	0.37	2.95	0.01
Emissions from Stockpile	0.00	0.00	0.00	0.39	0.00	0.00
Flare or IC (current) ¹	0.09	0.09	2.96	9.88	0.54	42.55
Current LFG Fugitive Emissions	NA	NA	3.93	NA	NA	NA
Indirect (peak offsite traffic) App L	NA	NA	0.95	23.22	NA	NA
Total	80.80	14.35	19.88	63.73	66.46	42.79
MBARD Significance Thresholds	82	82	137	137	550	150

Notes: 1 – Values for CO and VOC are the detection limit.

Table B20 Combined Operations and Construction – Scenario 1 - Entrance

Location	PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG (VOC), lb/day	NOx, lb/ day	CO, lb/ day	SO ₂ , lb/day
Emissions from Paved Road	6.61	1.06	0.20	0.96	1.57	0.02
Emissions from Graveled Road	9.61	1.11	0.03	0.15	0.25	0.00
Emissions from Unpaved Road	3.55	0.35	0.00	0.00	0.00	0.00
Emissions from Soil Haul Path	28.45	2.84	0.70	3.66	28.65	0.02
Emissions from Waste Disposal Area	6.40	4.62	1.13	11.68	31.51	0.06
Emissions from Construction Area	4.70	3.37	0.63	5.62	26.64	0.06
Emissions from Stockpile	2.38	2.78	0.21	0.39	6.05	0.01
Flare or IC (peak) ¹	0.44	0.45	4.22	49.89	2.27	214.91
Peak LFG Fugitive Emissions	NA	NA	10.81	NA	NA	NA
Indirect (peak offsite traffic) App L	NA	NA	0.29	22.57	NA	NA
Entrance Queuing	0.00	0.00	0.10	1.05	1.45	0.00
Total	62.14	16.59	18.33	95.97	98.39	215.07
Baseline (2021)	80.80	14.35	19.88	63.73	66.46	42.79
Change from Baseline	-18.65	2.24	-1.55	32.23	31.93	172.28
MBARD Significance Thresholds	82	82	137	137	550	150

Notes: 1 – Values for CO and VOC are the detection limit.

Table B21
Combined Operations and Construction – Scenario 2 – Westernmost Construction

Combined Operations and Construction – Sectian to 2 – Westernmost Construction						
Location	PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG (VOC), lb/day	NOx, lb/ day	CO, lb/ day	SO ₂ , lb/day
Emissions from Paved Road	8.96	1.38	2.42	2.12	2.06	0.04
Emissions from Graveled Road	15.21	1.74	0.45	0.39	0.38	0.01
Emissions from Unpaved Road	5.95	0.72	0.68	0.60	0.58	0.01
Emissions from Soil Haul Path	17.68	1.77	0.70	3.66	16.63	0.02
Emissions from Waste Disposal Area	3.20	1.91	1.08	8.97	22.65	0.06
Emissions from Construction Area	4.70	1.02	0.63	5.62	18.90	0.06
Emissions from Stockpile	1.34	1.30	0.21	0.39	5.29	0.01
Flare or IC (peak) ¹	0.44	0.45	4.22	49.89	2.27	214.91
Peak LFG Fugitive Emissions	NA	NA	10.81	NA	NA	NA
Indirect (peak offsite traffic) App M	NA	NA	0.29	22.57	NA	NA
Entrance Queuing	0.00	0.00	0.10	1.05	1.45	0.00
Total	57.48	10.30	21.60	95.25	70.22	215.11
Baseline (2021)	80.80	14.35	19.88	63.73	66.46	42.79
Change from Baseline	-23.31	-4.06	1.72	31.51	3.76	172.32
MBARD Significance Thresholds	82	82	137	137	550	150

Notes: 1 – Values for CO and VOC are the detection limit.

Table B22
Combined Operations and Construction – Scenario 3 – Northernmost Construction

Location	PM10, lb/day	PM2.5, lb/day	ROG (VOC), lb/day	NOx, lb/ day	CO, lb/	SO2, lb/day
Emissions from Paved Road	16.73	2.67	2.04	2.19	1.74	0.03
Emissions from Graveled Road	10.51	1.21	0.14	0.15	0.12	0.00
Emissions from Unpaved Road	6.31	0.70	0.14	0.15	0.12	0.00
Emissions from Soil Haul Path	35.79	3.58	0.70	3.66	16.63	0.02
Emissions from Waste Disposal Area	3.20	1.91	1.08	8.97	22.65	0.06
Emissions from Construction Area	4.70	1.02	0.63	5.62	18.90	0.06
Emissions from Stockpile	1.34	1.30	0.21	0.39	5.29	0.01
Flare or IC (peak) ¹	0.44	0.45	4.22	49.89	2.27	214.91
Peak LFG Fugitive Emissions	NA	NA	10.81	NA	NA	NA
Indirect (peak offsite traffic) App M	NA	NA	0.29	22.57	NA	NA
Entrance Queuing	0.00	0.00	0.10	1.05	1.45	0.00
Total	79.03	12.84	20.38	94.63	69.18	215.09
Baseline (2021)	80.80	14.35	19.88	63.73	66.46	42.79
Change from Baseline	-1.77	-1.52	0.49	30.90	2.72	172.29
MBARD Significance Thresholds	82	82	137	137	550	150

Notes: 1 – Values for CO and VOC are the detection limit.

Table B23
Combined Operations and Construction – Scenario 4– Easternmost Construction

•			ROG			
Lagation	PM ₁₀ ,	PM _{2.5} ,	(VOC),	NOx,	CO,	SO ₂ ,
Location	lb/day	lb/day	lb/day	lb/day	lb/day	lb/day
Emissions from Paved Road	9.43	1.45	2.42	2.12	2.06	0.04
Emissions from Graveled Road	15.22	1.74	0.45	0.39	0.38	0.01
Emissions from Unpaved Road	5.95	0.72	0.68	0.60	0.58	0.01
Emissions from Soil Haul Path	17.68	1.77	0.70	3.66	16.63	0.02
Emissions from Waste Disposal						
Area	3.20	1.91	1.08	8.97	22.65	0.06
Emissions from Construction Area	4.70	1.02	0.63	5.62	18.90	0.06
Emissions from Stockpile	1.34	1.30	0.21	0.39	5.29	0.01
Flare or IC (peak) ¹	0.44	0.45	4.22	49.89	2.27	214.91
Peak LFG Fugitive Emissions	NA	NA	10.81	NA	NA	NA
Indirect (peak offsite traffic) App M	NA	NA	0.29	22.57	NA	NA
Entrance Queuing	0.00	0.00	0.10	1.05	1.45	0.00
Total	57.96	10.37	21.60	95.25	70.22	215.11
Baseline (2021)	80.80	14.35	19.88	63.73	66.46	42.79
Change from Baseline	-22.83	-3.99	1.72	31.51	3.76	172.32
MBARD Significance Thresholds	82	82	137	137	550	150

Notes: 1 – Values for CO and VOC are the detection limit.

Table B24
Combined Operations and Construction – Scenario 5 – Southernmost Construction

Location	PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG (VOC), lb/day	NOx, lb/day	CO, lb/day	SO ₂ , lb/day
Emissions from Paved Road	16.48	23.74	4.41	4.24	3.77	0.07
Emissions from Graveled Road	27.02	3.10	0.79	0.76	0.68	0.01
Emissions from Unpaved Road	7.78	0.86	0.45	0.44	0.39	0.01
Emissions from Soil Haul Path Emissions from Waste Disposal	42.28	4.23	0.70	3.66	16.63	0.02
Area	3.20	1.91	1.08	8.97	22.65	0.06
Emissions from Construction Area	4.70	1.02	0.63	5.62	18.90	0.06
Emissions from Stockpile	1.55	1.50	0.21	0.39	5.29	0.01
Flare or IC (peak) ¹	0.44	0.45	4.22	49.89	2.27	214.91
Peak LFG Fugitive Emissions	NA	NA	10.81	NA	NA	NA
Indirect (peak offsite traffic) App M	NA	NA	0.29	22.57	NA	NA
Entrance Queuing	0.00	0.00	0.10	1.05	1.45	0.00
Total	103.46	36.81	23.72	97.58	72.03	215.14
Baseline (2021)	80.80	14.35	19.88	63.73	66.46	42.79
Change from Baseline	22.66	22.46	3.83	33.85	5.57	172.34
MBARD Significance Thresholds	82	82	137	137	550	150

Notes: 1 – Values for CO and VOC are the detection limit.

All of the scenarios except Scenario 5 for PM₁₀ and all scenarios for SO₂ (because of flare emissions) fall below the MBARD CEQA thresholds of significance. As described later in this report, dispersion analysis was performed to determine whether the resulting PM₁₀ and SO₂ concentrations at the point of maximum impact (PMI), and maximally exposed individual resident (MEIR) receptors would cause an exceedance of the CAAQS and NAAQS for these constituents. Therefore, no mitigations in addition to the Proposed Project management practices/design features are required.

5. Electrical Related GHG Emissions

Increased electricity use associated with the proposed project may include electricity used to power additional or larger blowers for the flare system, and pumps for five additional leachate collection sumps. Electricity usage per year is based on the number of new blowers in operation, motor horsepower, assumed motor efficiency of 90 percent, and the assumption that the blowers would operate 24 hours per day, 365 days per year. Electricity used to power landfill facilities, including offices, scale house, scales, and site lighting is not expected to increase due to operation of the proposed project, therefore emissions were not calculated for those sources. Calculations of indirect GHG from energy usage, excluding the proposed RNG Facility are included in **Attachment I** and summarized in **Attachment U**.

SB 100 requires 50 percent renewable energy in California by December 31, 2026, and 60 percent by December 31, 2030, and recommends planning for 100 percent renewable and zero carbon resources by December 31, 2045. Because PG&E electricity is already at 85% non-GHG (PG&E, 2021a) for the purposes of GHG analysis, a relatively low emissions factor of 2.68 lbCO₂/MWh (PG&E, 2021b, and The Climate Registry, 2021) was used to calculate operational emissions for the life of the project.

The following summarizes the estimated baseline and future:

- GHG Emissions from current power usage: 0.53 MTCO₂e/yr
- GHG Emissions from Proposed Project at buildout: 1.05 MTCO₂e/yr
- Average increase over project life (Table U1 in **Attachment U**): 0.33 MTCO₂e/yr.

The above emissions include only operational emissions separate from the proposed RNG facility. GHG emissions from electricity used to operate the RNG facility are included in the emissions analysis for that facility. The RNG facility would bypass the LFG blowers during operation and reduce the proposed project operation emissions below the proposed project emissions described above.

Water and Sewer Related GHG Emissions

Historically, the Landfill obtains water from the Sunnyslope Water District and hauls it to the Landfill using a water truck when on-site retained stormwater is not available. **Table B24** summarizes the historical and projected future average seasonal water usage from Table 2 in the "Water-Use Memo" in **Attachment Y**. However, the amount of water use varies significantly depending on traffic and weather. As described in **Attachment Y**, L&A obtained the historical water quantity information for JSRL and another similar landfill (Avenal Regional Landfill) Loads on any given day will be higher or lower depending weather conditions and traffic. The average annual water use is used to estimate GHG emissions.

Table B25
Modeled Current and Projected Water Usage for Operations

Modeled Cuffent and 110	jecteu water Osa	ge for Operations
Season	Loads Per Day (Ave) ¹	Seasonal Average Gal/day ²
	Current (2021)	
Spring	2	5,600
Summer	4	13,100
Fall	3	5,600
Winter	1	1,900
Gallons per Year		2,441,000
Acre-Feet per Year		7.5
	Project	
Spring	3	12,100
Summer	8	28,300
Fall	3	12,100
Winter	1	4,000
Gallons per Year		5,258,000
Acre-Feet per Year		16.1

Notes:

- 1. Assuming 3,600 gal/load (rounded). Will be more or less on any given day.
- 2. Assuming averaged over 365 days per year.

In addition to the above water usage, water is used for dust control during construction projects. Dust control for a typical construction project is anticipated to require 2.16 million gallons (6.64 acre feet). It is assumed that water would be used for future module construction periods roughly every other year (plus the entrance construction, and partial final closure projects).

Historical and proposed project wastewater, including domestic wastewater from the office, leachate, LFG, condensate, and the groundwater extraction system, in average gpm, were obtained from the Design Basis Report used to calculate the totals in **Table B26** on the following page.

Table B26
Summary of Baseline and Project Projected Wastewater

Usage	Average Gal/Year ¹	Average gpd ²	Average gpm ³
Current			
Domestic Wastewater	89,352	245	0.17
Leachate (2020)	289,080	792	0.55
Condensate (2020)	147,168	403	0.28
GW Extraction (2020)	1,881,648	5,155	3.58
Total	2,407,248	6,595	4.58
Proposed (at peak)			
Domestic Wastewater	110,376	302	0.21
Leachate	2,323,152	6,365	4.42
Condensate from LFG	262,800	720	0.50
Condensate from RNG	199,728	547	0.38
GW Extraction	1,881,648	5,155	3.58
Total	4,777,704	13,090	9.09
Difference	2,370,456	6,495	4.51

Notes:

- 1. Based on average gpm from design basis report x 365 days per year x 1440 minutes per day. Totals are slightly different from the Design Basis Report because of rounding.
- 2. Based on average gpm from design basis report x 1440 minutes per day.
- 3. From L&A 2021 Design Basis Report.

Indirect emissions from the use of water and disposal of domestic wastewater, leachate, condensate, and extraction well discharge to a municipal sewer system were calculated as shown in **Attachment J**. The calculations assume that all of the water is obtained from a public water system and will not be offset by use of leachate for dust control. Use of pond water for dust control will likely reduce the GHG emissions, but would require electricity to pump the water, so no reduction in GHG has been assumed for pond water use (assumes conservatively high GHG emissions). The emissions are summarized in Table U1 in **Attachment 1** and shown below:

- GHG Emissions from current operation: 19 MTCO₂e
- GHG Emissions from Proposed Project at buildout: 36 MTCO₂e
- Average increase over project life: 13 MTCO₂e/yr

The project proponent may reinject part or all of the leachate and condensate into the Landfill in the future to promote quicker decay of the waste and reduce the indirect GHGs related to sewer use, but potentially would increase the direct LFG emissions from the Landfill during injection but reduce the duration of emissions from the mass in which the liquid has been injected. The net change in the mass of CO₂e emissions is difficult to project, but in the long term would be near neutral.

7. Summary of GHG Emissions

7.1. Non-LFG GHG Emissions

Table B27, on the following **page**, summarizes the GHG emissions described above for all of the operational and construction-related emissions, excluding LFG emissions. Excluding LFG emissions, over the life of the Landfill, the operational and construction related emissions would be less than the baseline assuming vehicle emissions will decrease until 2024 based on currently projected emissions reductions described by EMFAC2017 and CalEEMod. After 2025 a conservatively low proportion of 60% vehicles would be non GHG generating per EO N-79-20. **Table B27** also assumes that recycling will increase with population growth and help offset GHG emissions.

Table B27
Summary of GHG Emissions During Operating Site Life Excluding LFG¹

Emissions Category	Current Operation, MTCO ₂ e/yr (Baseline)	Proposed Project Average, MTCO2e/yr ²	Average Change, MTCO2e/yr ²
Road Traffic for Waste Delivery	3,795	2,982	-813
Landfill Operations	1,201	980	-221
Construction Projects	41 (9) ³	86	77
Electrical	0.53	0.86	0.33
Water/Sewer	19	32	13
Recycling	-240	-280	-40
Totals	4,817	$3,802^2$	-984

Notes:

7.2. LFG & Combined GHG Emissions

As described above, the projected GHG emission from LFG account for implementation of state law (SB 1383) and the following Project features:

- A gas-extraction system with both vertical and horizontal wells with no less than one well per every two acres.
- 80% LFG collection efficiency initially.
- Oxidation of 10% of the fugitive methane in the cover soil.
- The landfill would operate until 2086 after which it would close, but LFG would continue to be collected.
- RNG tube trailers will be powered by RNG and will be carbon neutral.
- Biogenic CO₂ is not included as a GHG as it is part of the carbon cycle.

^{1:} GHG emissions from LFG are addressed separately below, assumed average change over life of proposed project.

^{2:} Average from Table U-1 in **Attachment U**.

^{3:} Averaged over 17 years (9 MTCO₂e when averaged over 65 years for average change calculation).

Without additional LFG control and other indirect GHG emissions reductions, the projected GHG emissions from LFG combined with operation emissions would increase to a peak of approximately 74,000 MTCO₂e in approximately 2070 (Tables in **Attachment A**), unless additional control measures to reduce GHG emissions are implemented.

The landfill operator has indicated that they will implement an RNG facility combined with improved LFG collection efficiency. **Attachment A** provides a plan for implementing an RNG facility to reduce peak GHG emissions to less than a peak of approximately 12,000 MTCO₂e in 2028 by implementing an RNG facility to control annual GHG emissions (sum of LFG-related and operational), further reductions would occur with improved collection efficiency and improving emissions technology over time. The following steps were assumed in **Attachment A**:

- Before 2028: Implement the RNG facility to remove methane for reuse to limit GHG emissions to approximately 9,200 MTCO₂e.
- Between 2030 and 2035: Increase LFG collection efficiency from 80% to 90%.
- Between 2035 and 2038: Increase LFG collection efficiency to 95%.
- Approximately 2045: Vehicle emissions drop below baseline as shown in Appendix U and help reduce total GHG emissions below baseline thereafter.
- Approximately 2068: Methane generation peaks and GHG emissions peak at approximately 11,600 MTCO₂e and start declining.
- Between 2071 and approximately 2085: out-of-County trips cease, and vehicle emissions drop below the baseline (see **Attachment U**), further reducing GHG emissions.
- After 2085: The Landfill ceases accepting waste, traffic is negligible, the Landfill is closed, and the LFG generation rate drops more quickly.

Because the final rate of waste acceptance will be different than the rate used in the model, the time of the above steps could be sooner or later than shown, and a periodic assessment of GHG emissions is recommended.

It is recommended that within two years of issuance of the use permit, the operator prepare a plan and schedule for implementing the RNG Facility and subsequent LFG collection efficiency improvements. Once the RNG facility is operational, prepare a GHG Evaluation and Mitigation Plan every 5 years, concurrently with (but not tied to) the Title V Air Quality permit renewal for the LFG Flare or RNG facility. The 5-year evaluation would include the following:

- Update the LandGEM Model to project the LFG generation rate.
- Estimate the LFG collection system efficiency.

- Identify areas of potentially higher surface (fugitive) emissions that can be addressed by adding vertical wells, horizontal collectors, or other LFG collection mechanisms to improve collection efficiency.
- If needed, perform a surface emissions scan to identify locations on the landfill surface to either increase LFG extraction or provide temporary cover to reduce surface emissions in a focused manner.
- Review the LFG collection system coverage, recommend improvements to the existing system, if any, and plan horizontal collectors and vertical wells, if feasible based on available information.
- Recommend methods to reduce fugitive emissions if the updated modeling shows it is necessary.
- Provide or update a 10-year plan for LFG extraction system expansion and incremental
 placement of temporary geomembrane cover, temporary thickened soil cover, placement
 of processed greenwaste, incremental closure, and/or other methods to reduce surface
 emissions.
- Update air model for GHG emissions current landfill operations, support equipment, and waste delivery trips.
- Provide updated LandGem modeling of projected GHG emissions from LFG.
- Provide a 10-year schedule for RNG facility expansion (if expansion is required within a 10-year window, to accommodate increasing LFG generation.
- If the updated modeling shows emissions are higher than anticipated or the RNG facility becomes infeasible, implement additional onsite and offsite mitigation measures, if feasible.
- Optional Items
 - o If feasible, based on available LFG generation rate and waste profile and calculation methodology, estimate the benefit of carbon sequestration.
- Estimate the benefits from continued recycling, beneficial re-use of green and wood waste, conversion of vehicles to zero emissions, RNG or biofuel.

According to CEC (**Attachment A**), and as described in the schedule above, the emissions will be reduced by a combination of project control measures including the following:

- Implement an RNG Facility (**Figures B14** through **B16**).
- Phase-in increase of collection efficiency from the current 80% to 95% between 2028 and 2035 to reduce fugitive emissions of methane by one or more of the following methods:
 - o Temporary geosynthetic membrane covers to reduce surface emissions.
 - Early closure using a thick ET cap or cap containing a geomembrane to reduce surface emissions.

- o Increase oxidation of methane fugitive emissions by adding 12" of processed greenwaste to areas with intermediate cover or a final ET closure cap, where feasible.
- Increase thickness of temporary soil cover or stockpiling where feasible to reduce emissions and increase methane oxidation.
- O Perform aerial (drone or aircraft) or surface mapping of methane emissions to identify and then correct areas of higher emissions, if useful.

Feasibility of the RNG facility depends on the availability of a cost effective market with demand for the RNG. Based on conversations with RNG facility developers by CEC, implementation of an RNG facility appears feasible under the current conditions. It is possible that at some point in the future the feasibility of RNG could diminish, resulting in RNG being infeasible, although future changes in feasibility cannot be predicted at this time.

Other methods to reduce GHG emissions could include (Summarized in Table U1 in **Attachment U**):

- Early adoption of increased control efficiency prior to 2035. Attachment A includes a table showing reductions in GHG emissions by early adoption of a 95% collection efficiency between 2024 and 2034 would provide an average GHG reduction of 1,381 MTCO₂e for those years. If extensive use of temporary tarps are implemented, a review of the existing drainage system is suggested to evaluate the potential for increased peak stormwater runoff.
- Include infrastructure for electric vehicle (EV) charging in the entrance design. As described in Table X-1 in **Attachment X**, five EV charging stations would provide a reduction of 36 MTCO₂e/year when used for employee commute and could also be used for visitors or public.
- Replace smaller "light duty" vehicles with EV versions. Technology to replace light-duty vehicles is currently or imminently available. Table X-2 in **Attachment X** shows that replacing two all-terrain vehicles and two ½ ton pickup trucks would reduce GHG emissions by 5 MTCO₂e/yr.
- Replace medium duty vehicles with EV versions. The technology for EV versions of medium duty vehicles, such as water trucks, service, and fuel trucks is emerging, but not widespread yet. Vehicles for landfill use, required exceptional durability and capability of maneuvering on steep graveled roads. As described in Table G5.2.1 in Attachment G, replacing the water truck, equipment service truck, and fuel truck would reduce GHG emissions by 25 MTCO₂e.
- Install solar or use renewable electricity. Because the current carbon intensity of PG&E electricity is relatively low, buying 100% renewable-based electricity would only result

- in a reduction of approximate 1 MTCO₂e/year. The current state of California goal is 100% renewable energy prior 2045 and this reduction would only apply before then.
- Convert on-site heavy vehicles to RNG, once an RNG facility is implemented and the technology becomes available convert heavier equipment to renewable fuel source. As described above, a 60% reduction in GHG emissions is already assumed in the project based current executive orders and regulations. Early adoption (before 2045) would provide the greatest reduction in GHG emissions compared to the emissions modeled for the project. After 2045 a reduction of 40% would be assumed. The reductions from early adoption of renewable fuel for heaver equipment cannot be estimated at this time.
- Increase Recycling. As shown on Table U1 in **Attachment** U, the project assumes that recycling will increase over time in proportion the increase in population. At 2.89 MTCO₂e per ton of potential waste recycled, increasing recycling above the currently projected tonnage would provide GHG reductions.^{24,25}
- Accept previously landfilled green waste for off-site composting at 0.23 MTCO₂e per ton.²⁶

Potential reductions from these additional measures are summarized in Table U1 in **Attachment** U. For vehicle-related emissions, the full reduction is applied until 2045. After that 40% of the reduction is shown. On average, when fully implemented, the potential reductions would provide an average reduction of 244 MTCO₂e/year, but would only reduce modeled peak emissions from 11,575 MTCO₂e to 11,541 MTCO₂e as most of the reductions would occur early in the project.

Sequestration

Emissions of GHGs from fuel use and organic matter decomposition is an inevitable consequence of management of the solid waste produced by society. However, the disposal of waste in landfills also causes substantial amounts of carbon to be removed from the carbon cycle and permanently sequestered.

The IPCC (2006) and CEC (California Energy Commission) recognize landfills as carbon sinks and quantify such storage in national and state-wide GHG budgets. The IPCC approach in the 2006 Guidelines for National Greenhouse Gas Inventories, Volume 5, Chapter 3, page 3.23 covers waste, including carbon stored in solid waste disposal sites (SWDS): "Some carbon will

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²⁴ Based on USEPA WARM Website for mixed recyclables in California. https://www.epa.gov/warm

The Proposed Project includes a public waste tipping area adjacent to the recycling area. This configuration improves the convenience of recycling, but the quantity of additional recycling cannot be quantified.

From CARB, 2017, excluding avoided methane component of 0.33 MTCO₂e, as these are accounted for in the SB 1383 reductions in LFG generation, if any.

be stored over long time periods in SWDS. Wood and paper decay very slowly and accumulate in the SWDS (long-term storage). Carbon fractions in other waste types decay over varying time periods (see Half-life under Section 3.2.3.). The amount of carbon stored in the SWDS can be estimated using the [first order decay] model (see Annex 3A.1). The long-term storage of carbon in paper and cardboard, wood, garden and park waste is of special interest as the changes in carbon stock in waste originating from harvested wood products which is reported in the AFOLU volume (see Chapter 12, Harvested Wood Products)."

The 2006 Inventory of California GHG Emissions and Sinks (CEC, 2006, page 47) similarly considers this sequestration. CEC indicates that, "Lumber and urban wood wastes disposed at landfills contain significant amounts of lignins, which contain carbon, which is sequestered in anaerobic landfills." Quantification of storage for wood products and other organics was included in the 2006 Inventory.

Unfortunately, neither of these methodologies is adequate for analysis of a site-specific carbon balance. Again, the purpose for both was to produce national or state-wide GHG inventories without assigning emissions to particular locations. A comprehensive analysis of landfill storage using these references would require combining procedures from multiple sections, including the noted landfill discussions, and portions of agriculture, forestry, and other land use analyses (IPCC, 2006).

SCS Engineers (SCS, 2008) recommended procedures for analysis of carbon storage in landfills, combining data from EPA, IPCC, various researchers, and other sources. Estimates can be calculated regarding content and long-term storage of carbon for individual and combined waste streams. Using the referenced methodology, at buildout, the Proposed Project (39.7 million short tons of waste) would have sequestered 11.91 million MTCO₂e (MMTCO₂e) or an average of 0.11 MMTCO₂e per year over the lifespan of the Landfill (including previous waste), and would more than offset the increased GHG emissions describe above.

8. Air Toxic Pollutants and Health Risk Assessment

8.1. Summary

As required by the MBARD CEQA Guidelines, this health risk assessment (HRA) was prepared in accordance with the California Office of Environmental Health Hazard Assessment (OEHHA) Risk Assessment Guidelines Guidance Manual for the Preparation of Health Risk Assessments, Air Toxics Hot Spot Program (February 2015). In addition, the USEPA Guidelines to Quality Models (Appendix W to CFR Part 51) was referenced. Appendix W is intended "for use by air quality management agencies that conduct air quality modeling as part of State Implementation Plan (SIP) submittals and revisions, New Source Review (NSR) permitting (including new or

modifying industrial sources under Prevention of Significant Deterioration (PSD)), conformity, and other air quality assessments required under EPA regulation," and as such, contains useful information but does not supersede the OEHHA Manual.

The objectives of this HRA are to provide upper bound, health conservative of the potential human health impacts that may be attributable to chemicals present in the LFG and diesel exhaust emissions, including the baseline risk from LFG emissions and DPM.

8.2. Methodology

In summary, the following steps were performed:

- The emissions sources of TACs and DPM were identified, and the emissions estimated as shown above.
- The following receptors were identified:
 - o Residences within a mile of the waste footprint.
 - Nearest residences adjacent to John Smith Road and a grid in Santana Ranch Subdivision.
 - Nearest known worker locations.
 - o Schools that requested being modeled in the responses to the NOP.
 - Nearest potential receptors including every 100 feet along the property line and on a cartesian grid around the Landfill.
- A dispersion model was selected to calculate emissions at a distance from the Landfill (AERMOD BREEZE).
- Terrain data was obtained from the USGS and processed for uploading into the AERMOD BREEZE model.
- Three years of meteorological data was obtained and preprocessed for loading into the model.
- The concentrations, characteristics and locations of emissions to be modeled were input into the model.
- The model generated a deposition rate (ug/m³) at each grid location for each monitored parameter for each data year (2018, 2019, and 2020) for each scenario and the following receptors with the highest concentrations were selected for health-risk analysis:
 - o Maximum exposure impact residential (MEIR).
 - o Maximum exposure impact worker (MEIW).
 - o Point of Maximum Exposure intensity (PEI), typically along the property boundary.
 - School receptors.

- o There were no hospitals, day cares, or retirement homes found within the vicinity of the Landfill.
- The MBARD was consulted for preferences regarding modeling effort.
- Analyses were performed for excess cancer risk, chronic health risk, and acute health risk for the above highest receptors for DPM (only cancer and chronic could be calculated for DPM) and HAPs from the flare.²⁷
- For all receptors, the 70-year excess cancer risk was found to be below the MBARD threshold of significance of 10 in one million.
- The chronic Hazard Index (HI) was found to be below the MBARD standard of one at all monitored locations. ²⁸
- The acute Hazard Index (HI) was found to be below the MBARD standard of one at all monitored locations.

8.3. Consultation

After establishing the framework for risk identification and modeling, the MBARD staff was contacted, the site conditions and modeling strategy was described, and input was received. Evaluation and modeling of landfills provides unique challenges that do not occur in typical land development projects encountered by air districts and the specific requirements of landfills was described to the MBARD staff with regard to modeling. Items discussed in consultation included the following:

- Methods of calculating emissions inventory for criteria pollutants, DPM, and flare emissions.
- The Landfill layout, sequencing, surrounding land use,
- Description of seasonal wind patterns.
- Emissions configurations to be modeled.
- Existing residential, worker, critical (two schools), and potential receptors (property line and surrounding grid) to be modeled.

In addition, background concentrations and potential dispersion modeling for PM_{10} were discussed:

- Existing ambient air monitoring at the Fairview Station.
- Surrounding topography and land use including recent construction around the Fairview monitoring station.

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²⁷ "Excess" means in addition to other pre-existing or future risks unrelated to the Proposed Project.

The MBARD CEQA Guidelines do not list thresholds for chronic or acute health risk. A HI value of one (1) is used by the Bay Area Air Quality Management District (BAAQMD) for their threshold of significance in their CEQA Guidance, page 2-2, Table 2-1.

- Proposed method for developing background concentrations for criteria pollutants.
- Nonattainment causes.
- Potential methods and mitigation methods to meet CAAQS and NAAQS.

8.4. Hazard Identification

The hazards identified for analyses include the following:

- HAPS in LFG that diffuses through the Landfill surface.
- Remaining uncombusted HAPs in the LFG flare emissions.
- DPM emissions from landfill, construction, and waste delivery equipment over the life of the Landfill.

No other releases that would cause air emissions such as spills, leaking pumping and pouring, emptying, leaching, emitting, dumping, injecting, or disposing of a substance into the area have been documented and none were modeled.

8.5. Hazard Assessment

8.5.1. Information on the Facility and its Surroundings

- Facility Name: John Smith Road Landfill
- Location: 2650 John Smith Road, Hollister, CA
- Local Topography: Rolling hills
- Facility Plot Plan: **Figure B5** showing source locations, property line, scale, and emissions sources. Also see **Figures B20** through **B24** showing scenarios analyzed.

8.5.2. Source and Emissions Inventory

HAP Emissions from Flare and Fugitive LFG Emissions

In 2020, SCS Engineers was retained to collect duplicate samples for trace gases that are commonly present in landfill gas (**Attachment C**) in parts per million by volume (ppmv) or parts per billion by volume (ppbv) depending on the substance. **Table B28**, on the following page, summarizes the detected constituents and the CAS numbers. Where LFG data was not available, the default values from AP-42 were used.

DPM from Vehicle Emissions

DPM is subset of PM_{2.5} from diesel emissions, comparison on average in California 8% of PM_{2.5} emissions from diesel emissions. Because DPM is inherently transient, based on vehicle-emissions technology and intensity of on-road and off-road vehicle use, DPM was estimated based on anticipated long-term vehicle use as described below.

Table B28
Potentially Hazardous Air Pollutants Detected in LFG from JSRL

100	Hitany Hazaruous Air Fonutants Detection	cu iii Er G ii o	
CAS No.	HAPs Compounds	Molecular weight (g/Mol)	Average Concentration of Compounds Found in LFG at Inlet (ppmv)
100-41-4	Ethylbenzene	106.16	5.62E+00
106-46-7	Dichlorobenzene (1, 4-dichlorobenzene)	147	4.36E-01
106-93-4	Ethylene dibromide (1, 2-dibromoethane)	187.88	4.60E-02
107-06-2	1,2-Dichloroethane (ethylene dichloride)	98.96	4.58E-01
107-13-1	Acrylonitrile	53.06	-
108-88-3	Toluene	92.13	3.00E+01
108-90-7	Chlorobenzene	112.56	1.05E-01
110-54-3	Hexane	86.18	1.94E+00
127-18-4	Perchloroethylene (tetrachloroethene)	165.83	3.46E-01
1330-20-7	Xylenes	106.16	1.32E+01
56-23-5	Carbon tetrachloride	153.84	-
67-63-0	2-propanol (isopropyl alcohol)	60.11	8.04E+01
67-66-3	Chloroform	119.39	-
71-43-2	Benzene	78.11	1.72E+00
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	133.41	-
7439-97-6	Mercury (total)(e)	200.59	1.22E-04
75-00-3	Chlorodifluoromethane	86.47	7.96E-01
75-01-4	Vinyl chloride	62.5	7.03E-02
75-09-2	Dichloromethane (methylene Chloride)	84.94	1.99E-01
75-15-0	Carbon disulfide	76.13	3.47E-01
75-34-3	1,1-Dichloroethane (ethylidene dichloride)	98.97	-
75-35-4	1,1-Dichloroethene (vinylidene chloride)	96.94	-
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	36.46	4.20E+01
78-87-5	1,2-Dichloropropane (propylene dichloride)	112.99	2.30E-02
78-93-3	Methyl ethyl ketone	72.11	4.01E+00
79-01-6	Trichloroethylene (trichloroethane)	131.4	1.69E-01
79-34-5	1, 1, 2, 2-Tetrachloroethane	167.85	-

Note: yellow highlighted values are default values from AP-42.

8.6. Exposure Assessment

8.6.1. Exposed Population and Receptor Location (all analyses)

See Section 8.10.1 below.

8.6.2. Potential Exposure Pathways

To determine the extent and magnitude of exposures to human populations, the pathways of exposure to those populations were analyzed. This analysis considered the sources of contaminants, release mechanisms, fate and transport in different media, receiving media, exposure points, exposure routes, and targeted populations. EPA describes an exposure pathway as generally consisting of four necessary elements (EPA, 1989):

- 1. A source and mechanism of chemical release.
- 2. A retention or transport medium (or media).
- 3. A point of potential human contact with the contaminated medium (exposure point).
- 4. An exposure route at the exposure point.

Each of these four elements exists for the exposure scenarios, which include LFG and DPM emissions and inhalation exposure.

The off-site residential population is exposed to contaminants through inhalation of contaminants in LFG and DPM. The receptors analyzed were selected based on the following criteria.

- Existing residential receptors within a mile of the proposed future waste boundary.
- Nearest existing residential receptors north and south of John Smith Road (DPM).
- Nearest Worker receptors.
- Sensitive Receptors: two schools that requested modeling. There are no known day care centers, rest homes, hospitals or other critical receptors within a mile of the Landfill.
- Potential receptors: Every 100 feet along the property boundary and in a 500' x 500' grid within a mile of the Landfill.
- **Figures B3** through **B5** show the locations of the receptors analyzed.
- Table P-1 in **Attachment Q** provides a table listing the receptor descriptor coordinates and elevation.
- All of the receptors were modeled using the AERMOD default of no flagpole, unless otherwise stated.²⁹ Head-height is assumed to be a 1.5 m flagpole.
- Spatial averaging was not used for receptors.
- The analyses to be analyzed for cancer and non-cancer risks are listed in the Tables in **Attachment P**.

8.6.3. Evaluation of Exposure Pathways

Exposure pathways other than inhalation exposure potentially include the following:

Soil

With the exception of the Class I Area, for purposes of this HRA, it has been assumed that soil used for cover on the existing and Proposed Project have been and will be derived from on-site soil borrow areas, which have not been impacted by waste disposal activities. The soil is expected to have chemical concentrations similar to that of native soils, such that the soils can be considered uncontaminated or "background." Contaminated soil containing pesticides is present

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²⁹ Per South Coast AQMD Modeling Guidance for AERMOD.

in the Class I Area that will be clean closed in the future. It is anticipated that as part of the specific clean-closure project, the workplan to excavate and mitigate the project will be prepared by experts retained by the Landfill Operator and/or Owner, will be reviewed by the California Department of Toxics, and will include a dust control plan. It is also anticipated that the construction would require less than several months and does not have the potential to provide a chronic or long-term health risk.

Based on this information, the (1) incidental soil ingestion, (2) dermal contact with impacted soils, and (3) inhalation of contaminants present in fugitive dust exposure pathways were considered incomplete for the purposes of this HRA. No further evaluation of these pathways was conducted or is necessary for existing or Project receptor scenarios.

Groundwater

Because any Project expansion scenario for the Project site will have to be performed in compliance with Resource, Conservation, and Recovery Act (RCRA) Subtitle D, and the California equivalent regulations under Title 27 of the California Code of Regulations (27 CCR), for purposes of this HRA, potential impacts to groundwater were assumed not to occur or would be mitigated by the regulatory requirements for installation of a groundwater monitoring network. An existing downgradient groundwater release from an unlined portion of the existing Landfill is currently being controlled with extraction wells and is expected to continue to do so with or without the proposed landfill expansion. The expanded Landfill will be lined and would not contribute to the existing release. Based on this information, the exposure pathways associated with the potable uses of groundwater were considered incomplete for the purposes of this HRA, including: (1) ingestion as a drinking water source; (2) incidental ingestion during showering or bathing; (3) dermal contact with impacted groundwater during showering or bathing; and (4) inhalation of VOCs in groundwater during showering, bathing, and cooking. No further evaluation of these pathways was conducted or is necessary for current or Project scenario receptors.

Surfacewater

Because the Proposed Project Operation will have to be performed in compliance with RCRA, Subtitle D, Title 27 CCR, and the California Statewide National Pollutant Discharge Elimination System (NPDES) permits for both construction and industrial stormwater, for purposes of this HRA, impacts to surface water were not expected to occur due to future landfill operations.

Based on this information, the exposure pathways associated with the potential uses of surface water were considered incomplete for the purposes of this HRA, including: (1) ingestion as a drinking water source; (2) incidental ingestion during showering, bathing, or swimming; (3)

dermal contact with impacted surface water during showering, bathing, or swimming; and (4) inhalation of VOCs in surface water during showering, bathing, cooking; or swimming. No further evaluation of these pathways was conducted or is necessary for existing or future receptor scenarios.

Food Chain Exposures

Use for growing food cropper within the expanded Landfill property will not be allowed as part of the Proposed Project and no crops will be produced on the Landfill site for human consumption. There are no on-site water bodies that could support food fish or other aquatic food sources for humans, and the Proposed Project is not expected to have any impacts on nearby water bodies.

Cattle grazing is currently allowed on the unused portion of the Landfill property. As the Landfill footprint expands on the property, a 50-foot setback between the waste boundary and grazing cattle will be maintained, similar to the separation required between the waste and property line by the current landfill Waste Discharge Requirements (Order No. R3-2013-0047, Prohibition No. 6). With this setback implemented, no food chain exposures to human are expected, and all food chain pathways were considered incomplete, as part of this HRA.

Inhalation

With the elimination of the above exposure pathways, the only remaining pathway that was considered complete as part of this HRA included the inhalation in LFG and emissions of DPM from vehicles.

8.6.4. Multipathway Evaluation

Because no exposure pathway other than inhalation was found and because none of the detected constituents are on the list of constituents requiring multipathway analyses (e.g., crops, soil ingestion, mother's milk), inhalation was considered the primary pathway and a multipathway analysis was not performed.

8.7. Calculation of Exposure Concentrations at Receptors

8.7.1. Meteorological Data

Dispersion models are used to estimate the potential off-site impact of project emissions. For this dispersion analysis, the United States Environmental Protection Agency (USEPA)-approved AERMOD model was used with processed on-site meteorological data for calendar years 2018 through 2020. The AERMOD model uses a combination of on-site, off-site surface, and off-site upper air meteorological data to better represent dispersion at the Proposed Project site. The

meteorological data were processed with the USEPA-approved AERMET processor by Trinity Consultants (the software developer) with upper air and surface data from the Salinas Airport (the closest source with usable data).

8.7.2. Topographical Data

A digital elevation model (DEM) was developed by the U.S. Geological Survey, and model-ready data was obtained from Lakes Environmental Software in a format compatible for importing into AERMOD.

8.7.3. Model Selection and Rationale

Health risk was assessed by performing an air-quality dispersion model. Dispersion modeling uses mathematical formulations to characterize the atmospheric processes that disperse a pollutant emitted by a source. Based on emissions, geographical and meteorological inputs, a dispersion model can be used to predict concentrations at selected downwind receptor locations (USEPA, 2020). For the Proposed Project assessments described above, USEPA and American Meteorological Society (AMS) preferred regulatory model "AERMOD" was used. In this case a user-friendly shell program called Breeze AERMOD version 10.0 by Trinity Consultants was used. AERMOD uses the configuration of the source (such as a smokestack, line source or an area source), topography, National Weather Service (NWS) data, locations of sensitive receptors, and source emissions concentrations. The modeling effort was performed in the following steps:

- 1. A digital elevation model (DEM) was developed by the U.S. Geological Survey, and model-ready data was obtained from Lakes Environmental Software.
- 2. Meteorological data was loaded into the model via a preprocessor called AERMET. For this modeling effort, the Salinas Airport was used as the closest source with usable data. The raw meteorological data was processed and obtained from Trinity Consultants and used in AERMOD-ready files for modeling.
- 3. For each model run, the type and characteristics of the emissions source were entered (stack for LFG flare; area for fugitive LFG emission, idling, and traffic).
- 4. For each model run, the coordinates for the sensitive receptors were entered into the model.
- 5. A steady-state, unit emission rate of 1 ton/year was used for all vertical point sources (*i.e.*, the landfill flare) and area sources in all modeling runs. Emissions were assumed to occur 8,760 hr/yr with no downtime. Use of the unit emission rate allows the air modeling output (the ambient air concentration) to be expressed on a unit emission rate basis (*i.e.*, μg/m³ per tons/year). The unit emission rate (*aka*, dispersion factor or χ/Q) is not chemical specific, and its use precludes having to run the model for each individual chemical emitted. To calculate the ambient air concentration of a particular chemical (in

- $\mu g/m^3$), the χ/Q (in $\mu g/m^3$ per tons/year) is simply multiplied by the chemical emission rate (in tons/year).
- 6. For each model run, χ/Q in (μg/m³)/tpy or (μg/m³)/(lb/hr-sf) for each sensitive receptor was determined by entering source emissions rate of 1 ton/year (for the flare) or 1 lb/hr (divided by area of analysis to obtain units of lb/hr-sf) for area sources, such as LFG fugitive emissions into the model. The receptor with the highest χ/Q value will have the highest concentrations and was selected for calculation of constituent concentrations and health-risk calculations.³⁰
- 7. The source emissions rate from each source and substance modeled were entered into a spreadsheet, multiplied by χ/Q to obtain the concentration at that location, and converted to units required for health-risk analysis. The emissions rate was multiplied by the OEHHA/CARB approved risk assessment values (*aka*, "risk factors" or cancer potency values; CP, for cancer risk), Combined Exposure Factor (CEF; where appropriate to convert to lifetime average for cancer risk), and the risks from each constituent summed to calculated total risk as shown on the tables in **Attachment P** (CARB, 2020). The risks for the following were calculated:
 - a. Maximum Individual Cancer Risk, Resident (MICRr): For a resident present at the sensitive receptor location for a 70-year exposure period.
 - b. Chronic Non-Cancer Hazard Index (HIC) Residential: The ratio of the estimated exposure level of an air toxic compound to a scientifically derived reference exposure level (REL) for the same compound. RELs generally represent the highest exposure level where no adverse effect has been observed or the lowest exposure level where the onset of an adverse effect has been observed, with the inclusion of a safety factor ranging from 10 to 1000, depending on the source and quality of the scientific data.
 - c. Acute Non-Cancer Hazard Index Residential: Similar to chronic (AHI), but for a short (1-hour duration).
 - d. Similar risks for off-site workers were calculated for the nearest work site, approximately 2 miles to the north. They were well below thresholds of significance and are not reported herein.

As described above and in **Attachment A**, the landfill-gas generation is anticipated (based on the assumptions described above) to peak at approximately 2,447 cfm (at 50% methane) in 2071. Assuming a maximum of 98% can be collected, approximately 2,400 cfm would be combusted in an LFG flare and the remaining 47 cfm would escape as fugitive emissions in a diffused

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³⁰ Also known as atmospheric dispersion parameter, X/Q is widely used for dispersion modeling. It allows recalculation of the concentration at a specific receptor using different source emission rates without rerunning the dispersion model each time.

manner through the landfill surface. If a lower collection efficiency is achieved, more LFG would escape as fugitive emissions.

To calculate emissions of hazardous air pollutants (HAPs) from LFG data and 98% destruction efficiency were assumed for the analysis. HAPs for which there are OEHHA/ARB-approved risk assessment health values (CARB, 2020) are listed in **Attachment P** along with the resulting concentrations after flare combustion. For HAPs that were not analyzed, the default concentrations for LFG constituents from AP-42 were used (USEPA, 2008).

AERMOD was used to model the emissions from the flare stack and from diffused emissions through the landfill cap. The following were entered into the model for flare emissions:

- Release type: Horizontal Point source for the LFG flare stack. The coordinates for the flare site were entered into the model.
- Release Height: A flare stack height of 40 feet and diameter of 10 feet was assumed for the Proposed Project flare.
- Release Elevation: 692 feet MSL.
- Release flow of 2,400 cfm (peak for life of landfill per **Attachment** C, Table C3) converted to combusted flow in a 10-foot diameter 40-foot-tall stack with a 1.8 m/sec exhaust velocity.
- Release constitutes, 2% of VOCs.
- Operating schedule 24-hours per day, 7 days per week for both analyses.
- As described above, the coordinates for the receptors were input into the model and χ/Q calculated for each receptor and are further described in **Attachments P** and **Q**.
- Receptor elevation: Ground level.

For fugitive emissions, the following were entered into the model:

- Release type: Area source including the entire Proposed Project Landfill footprint.
- Release Elevation: The average Proposed Project Landfill surface elevation of 850 feet MSL was assumed for the fugitive emissions.
- Release constituents: Emissions as described above in pounds per hour calculated from the VOC concentrations and the flow rates over the 253-acre Proposed Project landfill surface at or near buildout.
- Assumes no oxidation of TACs in landfill cover (conservatively high assumption).
- Release flow: Calculated the flow that would provide less than 10-in one million excess cancer risk at the PMI: 160 cfm at 50% methane (93% collection efficiency).
- Release geometry 253-acre landfill footprint at or near buildout.
- Operating schedule 24-hours per day 7 days per week.

- The χ/Q value was calculated for the area source and the same receptor as the flare was found to have the highest χ/Q and was further analyzed for health risk. The equations and calculations are included in Appendices P-1 and P-2. The health risks for the two LFG-related sources were summed and are presented in **Tables B29** and **B30**.
- Receptor elevation ground level.

Long-term (life of the project) DPM from off-site and on-site vehicle emissions, including John Smith Road, were estimated as shown in **Attachment R**. In summary, the following assumptions were included:

- Overall: DPM is based on the state average of 8% of PM_{2.5} emissions from diesel-powered equipment as described above.
- The emissions will be averaged over a 64-year site life plus one year for the closure cap.
- On-site emission will be averaged over the 253-acre expanded Landfill, as operation of the expanded Landfill will overlap over the existing Landfill. Emissions were modeled as a ground surface area source with deposition at ground level.³¹
- Emissions on JSRL were modeled as a line source with the emissions distributed evenly over the 1.81 mile road length from Fairview Road to the new landfill entrance (includes emission for both in and out) and assuming the discharge is at diesel truck exhaust height of 3 meters. With deposition at ground level.
- Average Emissions from Construction
 - o Assume one entrance construction project.
 - O Assume 29 approximately 7-acre construction projects with the average haul path lengths from Scenarios 2 through 5.
 - Assume four closure cap installation projects, one of which will be performed the year after the Landfill closes.
 - O Assume that after 2045, 60% of vehicles will be zero emissions and the other 40% will have a 2050 model year.
 - o Assume that prior to 2045 all off-road equipment over 200 hp will be Tier 4F and below 200 hp will be Tier 3. After 2045 assume all are Tier 4F.
- Average Emissions from Operation
 - o Assume that prior to 2045 all off-road equipment over 200 hp will be Tier 4F and below 200 hp will be Tier 3. After 2045 assume all are Tier 4F.
 - o Assume that prior to 2045 all on-road support equipment will have 2025 calendar year or newer aggregate EF (as average of 2020 to 2045). Assume 2050 calendar year after 2045.

The default for dispersion modeling is ground level as it typically provides the highest concentration at the receptor. Head height (1.5 m) is sometimes requested. Other heights are sometimes used in urban settings where residences are elevated above ground level.

- O Assume that after 2045, 60% of vehicles will be zero emissions and the other 40% will have a 2050 model year.
- For Waste Delivery Traffic, on-site
 - Assume the Proposed Project average traffic (it assumes 95 large diesel trucks per day).
 - O Assume EF with an average 2025 calendar year from 2023 to 2045 and assume a 2050 model year after 2045.
 - O Assume that after 2045, 60% of vehicles will be zero emissions and the other 40% will have a 2050 model year.
- For Waste Delivery Traffic on John Smith Road
 - Assume the Proposed Project average traffic (it assumes 95 large diesel trucks per day).
 - o Assume 3.62 mile round trip from Fairview Road to the new landfill entrance.
 - o Assume average of 2042 emissions technology for life of landfill.
 - Assume full traffic occurs for 65-year life of landfill for simplicity of calculation (out-of-County diesel tuck trips would end after 50 years under the project waste acceptance rate).
 - O Assume that the traffic occurs for a full 70-year lifespan (a conservative approximation as the duration will likely be less).

The CAS Number and concentrations from DPM is in **Attachment P**. DPM has risk assessment health values for chronic inhalation and lifetime cancer.³² There is no acute recommended exposure limit for (REL) for DPM and acute risk was not evaluated.

8.8. Toxicity Assessment

8.8.1. Selecting Receptors for Risk Evaluation

AERMOD output a list of the concentration at each receptor and the data was sorted to identify the PMI, MEIR, and MEIW. Respondents to the NOP requested modeling of the new School on Fairview Avenue and a potential future high school on Best Road. Separate model runs were performed for LFG emissions from the Flare point source and fugitive emissions, both baseline under the baseline condition and the Proposed Project. DPM emissions were modeled only under the Proposed Project as, under the baseline, the Landfill would close in roughly 15 years, and would not contribute significantly to an excess lifetime cancer risk. All model runs were performed for each year for which meteorological data was obtained (2018-2020). **Attachment**

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³² https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf

Q contains tables showing the receptor designator, coordinates, elevation, receptor type, and deposition rate for each analyzed constituent. The PMI and sensitive receptors MEIR, MEIW, and schools are highlighted on each spreadsheet. The spreadsheets include the results of flare emissions and fugitive LFG modeling and estimated landfill-life DPM.

8.8.2. Cancer Risk

The analyses include a sum risk of cancer as a result of the lifetime dose of the compounds modeled. A residential lifetime is considered 70 years living at the same place, a worker lifetime is considered 25 years working at the same place.

The health risk assessment for the inhalation exposure (all of the compounds analyzed herein) pathway includes adjustments for variable breathing rates throughout a person's life as children breath more rapidly than adults. The adjustments include age sensitivity for the third trimester of pregnancy, 0 to less than (<)2 years, 2 years to <9 years, 9 years to <16 years, and 16 years to <30 years, and 10 years to <70 years. The combined adjustment for these breathing rates, called a "combined exposer factor" "CEF." The South Coast Air Quality Management District has developed CEF values for residential receptors, assuming a lifespan of 70 years at the same locations, and worker assuming 25 years working at the same location. For schools, the CEF value for a child for 24 hr per day, 350 days year per year was used to simulate 8 hours per day for 15 years and is considered conservatively high. The CEF for a worker for 8 hours per day 250 days per week for 25 years is 14% of the child CEF and has a significantly lower exposure factor. The CEF is lower for workers because adult workers have a slower breathing rate than children and, in this case, are assumed to be exposed fewer days per year.

For each analyzed compound, the OEHHA has developed cancer potency (CP) factors used to calculate the potential for cancer related to a specific compound.

For chronic (long-term; 70-years for residential and 25-years for worker) cancer risk, the following simplified equation is used (SCAQMD, 2017):

$$MICR = SUM [CP * Q * CEF * MP * 10^{-6}]$$

Where:

MICR = Maximum Individual Cancer Risk (called RISK in OEHHA Guidance).

SUM = Indicates that all of the calculated risk from different compounds are summed.

CP = Cancer potency (mg/kg-day)⁻¹ obtained for OEHHA cancer inhalation potency tables.

Q (or Dose) = Concentration rate of a compound in $\mu g/m^3$ for a compound produced by dispersion modeling for a specific receptor.

- CEF = Combined exposure factor (L/kg/day) (factor combined age sensitivity, averaging time, and fraction of time spent at home) obtained from SCAQMD, 2017, Table 4.1.
- MP = Multipathway adjustment factor (dimensionless) for compound with more than one pathway from SCAQMD, 2017 Tables 3.1 (cancer) or 3.2 (chronic).
- 10^{-6} = Micrograms to milligrams and liters to m^3 conversion.

The MBARD CEQA threshold of significance for cancer risk is ten in one million.

8.8.3. Chronic Hazard

Chronic hazard is a measure of lifetime non-cancer health effects from exposure to a compound. A chronic hazard index is calculated by dividing the annual average concentration of a toxic pollutant by the chronic reference exposure level for that pollutant. The following equation is used to calculate the Chronic Hazard Index (HIC):

$$HIC = SUM (Q * MWAF * MP * (1/REL))$$

Where:

HIC = Hazard Index – Chronic (dimensionless).

SUM Indicates that the hazard from all of the analyzed pollutants and target organs is summed.

Q = Deposition rate or Dose (ug/m3) from the dispersion model.

MWAF = Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table.

MP: Multipathway Adjustment Factor (dimensionless) from SCAQMD, 2017 Table 3.0; assume 1 when no value is specified.

REL: Reference Exposure Level (REL) - Chronic (μg/m³), from CARB.

Chronic RELs are designed to address continuous exposures for up to a lifetime. The exposure metric used for chronic exposure is the annual average exposure. The RELs are evaluated for individual target organs for which the OEHHA/CARB have developed RELs and may include one or more of the following: alimentary (gut), cardiovascular, eye, immune, nervous, reproductive, and/or respiratory.

8.8.4. Acute Hazard

Acute RELs are designed to address short-term exposure of 8 hours. An equation similar to the one used for chronic hazard except acute RELs are used.

8.9. Health Values Used in Dose-Response and Dose Estimates

The tables in **Attachment P** provide tables of the acute, 8-hour and chronic inhalation RELs, chronic oral RELs, and cancer potency factors for each substance that is quantified in the HRA. The tables list the route for each constituent. The factors were obtained from the OEHHA Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values.³³ The tables list the dose by exposure pathway at the Critical Receptors, PMI, MEIR and MEIW.

8.10. Risk Characterization

As described above, the AERMOD Model produced concentrations at each of the receptors, including nearest "potential receptors," along the property line and on the grid shown on **Figure B4**. The residence (MEIR), business (MEIW) and the potential receptor (PMI) with the highest concentrations were selected for health risk calculation.

8.10.1. Landfill Gas

The risks for fugitive and flare emissions were calculated separately as described above and summed for **Table B29** on the following page. As described above, the flare was modeled assuming 2,400 cfm (assuming a maximum 98% of the 2,477 cfm is collected and combusted to provide a conservatively high flare flow) and fugitive emissions from LFG were modeled at 160 cfm (93% of 2,477 cfm is collected and the remainder escapes through the landfill surface to estimate higher fugitive emissions).

Table B29
Peak Excess Cancer & Non-Cancer (Acute and Chronic) Health Hazards from Fugitive and Flare LFG Emissions⁵

Location	Receptor(s)	Met. Data Year ¹	Excess Cancer Risk per million	Chronic Hazard Index	Acute Hazard Index
PMI ⁴	P40	2020, 2020	9.90^{2}	0.0315	0.000075
NPR ⁴	G68	2018, 2020	4.95	0.0158	0.000038
MEIR	RP-H31	2019, 2020	2.39	0.0076	0.000020
MEIW	CR_WP_2	2019, 2020	0.15	0.0076	0.000015
Rancho Santana School	CR_SC_13	2018, 2018	0.20^{6}	0.00086	0.0000043
Potential Future School	CR_SC-14	2020, 2018	0.15^{6}	0.00048	0.0000034
Threshold o	of Significance		10	13	13

Notes:

- 1. Meteorological year with highest risk for flare emissions, fugitive emissions.
- 2. Modeled to determine the highest fugitive emissions that would fall below the limit.
- 3. The highlighted cells indicate the best available data for evaluating chronic and acute health hazard significance thresholds adopted from the BAAQMD.

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³³ https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf

- 4. The PMI is at the Landfill property line adjacent to JSRL and is not a potential receptor. Grid Point G68 is across the street from property line point P40.
- 5. At 2,400 cfm flare flow and 160 cfm fugitive emissions.
- 6. Assumes a child exposed for 15 years. The risk for a worker would be approximately 1/7th of this value for 25-years exposure.

The health risk is driven by excess cancer risk from fugitive emissions of LFG escaping through the Landfill surface. The emission from the flare stack produces between one and two orders of magnitude less risk and is negligible by comparison (0.01 per million excess cancer risk at the PMI). The fugitive emissions were modeled at 160 cfm equaling less than 10-in-one-million excess cancer risk at the PMI. However, the risk is based on a PMI that is on the property line along John Smith Road and is not a potential receptor. At the MEIR (RP_H3, southeast of the landfill), the fugitive emissions could reach 670 cfm and remain below the 10-in-one-million threshold (73% collection efficiency). Fugitive emissions of up to 322 cfm would remain below the 10-in-one-million threshold nearest offsite grid point, G68 (87% collection efficiency). Therefore, based on the MEIR the flow through the flare could be increased above the anticipated peak flow, if needed, as long as the collection efficiency is controlled so that the fugitive emission remains below 670 cfm with no receptor at G68 and 322 cfm if a residence is ever constructed in the vicinity of G68. The risk calculations do not assume that the TACs would be filtered or oxidized when passing through the cap are considered conservatively high.

As described above, minimizing fugitive emissions will be required to control GHG emissions. Assuming a peak LFG generation rate of 2,447, and a 95% collection efficiency the fugitive emissions would remain well below a rate that would approach the 10-in-one-million threshold of significance. The health risk analysis for the flare emissions assumes a conservatively high peak flow for the entire 70-year averaging period. The flow would be less at other times and the actual risk from flare emissions lower. Because the project would include an RNG facility, only a portion of the LFG would be combusted in a flare and the full flow would be passed through the flare during maintenance of the RNG system. Because the flare would be used intermittently the health risk from flare would be significantly less than estimated.

8.10.2. Diesel Particulate Matter

The analysis of DPM as summarized in **Table B30** includes the sum of (1) emissions from operations, construction, and waste delivery traffic within the Proposed Project (**Attachment R**), and (2) emissions along John Smith Road (**Attachment O**). As described above, the emissions for landfill operations were calculated assuming that prior to 2045 gradually improving emissions technology, as projected by EMFAC2017 and CalEEMod would gradually reduce

DPM emissions. After 2045, 60% of vehicles would be carbon neutral with further associated reduction in DPM.

The average traffic on John Smith Road would occur for a 50-year period and then the out-of-County diesel emitting heavy trucks would end and lighter vehicles and local heavy trucks would continue for another 15 to 16 years. However, as described above, emissions were calculated assuming the highest average diesel traffic for the life of the landfill occurring over a 70-year period.

Table B30 summarizes the results of DPM modeling. The analysis for the PMI and MEIR assume a 70-year exposure (longer than the site life) and provides a conservatively high risk. The PMI (P40) is along the property line south of the Landfill adjacent to John Smith Road and as such is not a potential receptor. Therefore, the nearest offsite grid point to the PMI (G68) was analyzed and included in **Table B30** on the following page. The excess cancer risk for all of the receptors nearest to John Smith Road were all well below the threshold, the highest being 0.193 excess cancer risk per million at RP_H42. All of the risks are below the thresholds of significance.

Table B30

Excess Cancer & Non-Cancer (Chronic) Health Hazards from DPM for the Life of the Proposed Project Including John Smith Road

the Proposed Project merading John Sinth Road							
Location	Receptor	Met. Data Year¹	Excess Cancer Risk per million	Chronic Hazard Index	Acute Hazard Index ³		
PMI	P40	2020, 2018	4.98	0.0018	NA		
NPR ³	G68	2018, 2020	2.49	0.00059	NA		
MEIR	RP_H31	2018, 2020	1.20	0.00029	NA		
MEIW	CR_WP_2	2020, 2020	0.07	0.00024	NA		
Rancho Santana School	CR SC 13	2020, 2018	0.07^{5}	0.000035	NA		
Potential Future School	CR_SC_14	2018, 2018	0.045	0.000018	NA		
Threshold of Significance			10	12	1^{2}		

Notes:

- 1. Meteorological year with highest risk summed for JSRL, Landfill.
- 2. The highlighted cells indicate the best available data for evaluating chronic and acute health hazard significance thresholds adopted from the BAAQMD.
- There is no acute hazard index for DPM.
- 4. The PMI is at the landfill property line adjacent to JSRL and is not a potential receptor. Grid Point G68 is across the street from property line point P40.
- 5. Assumes a child exposed for 15 years. The risk for a worker would be approximately 1/7th of this value for 25-years exposure.

Because the PMI at Receptor P40 is not a potential receptor, the nearest grid point to P40, G68 was analyzed and was found to have a sum of excess cancer risk below the threshold of significance. When including the risk from DPM, the fugitive emissions of LFG would need to be less than 242 cfm based on the risk at the nearest potential receptor (G68) and 588 cfm based on the risk at the MEIR. Based on the anticipated fugitive emissions in Table A2 in **Attachment A**, the projected fugitive emissions would be below these limits. Because the risk from flare emissions is negligible and maximum fugitive LFG emissions well above the projected emissions, there is flexibility to accommodate LFG generation higher than expected as well as the associated fugitive emissions remain within the 588 cfm limit based on the MEIR (76% collection efficiency at a peak LFG generation rate of 2,477 cfm), or if a residence is constructed near G68 in the future the 242 cfm limit would apply (90% collection efficiency at a peak LFG generation rate of 2,477 cfm).

8.10.3. Combined Risk

Table B31 summarizes the sum of health risks for both landfill gas related emissions and DPM.

Table B31
Sum of Excess Cancer & Non-Cancer (Chronic) Health Hazards from DPM and LFG Emissions⁵

Location	Receptor	Met. Data Year ¹	Excess Cancer Risk per million	Chronic Hazard Index	Acute Hazard Index ³
PMI ⁴	P40	2018, 2020, 2020, 2020	14.88	0.033	NA
NPR ⁴	G68	2018, 2020, 2020, 2018	7.44	0.016	NA
MEIR	RP_H31	2018, 2020, 2020, 2019	3.59	0.0079	NA
MEIW	CR_WP_2	2018, 2020, 2020, 2019	0.22	0.0079	NA
Rancho Santana School	CR_SC_13	2020, 2018, 2018, 2018	0.27^{6}	0.00089	NA
Potential Future School	CR_SC_14	2020, 2018, 2018, 2020	0.19^{6}	0.00050	NA
Threshold of	Significance		10	12	12

Notes:

- 1. Meteorological year with highest risk used for summing for, JSR DPM, LF DPM, Flare LFG, Fugitive LFG.
- 2. The highlighted cells indicate the best available data for evaluating chronic and acute health hazard significance thresholds adopted from the BAAQMD.
- 3. There is no acute hazard index for DPM.
- 4. The PMI is at the landfill property line adjacent to JSRL and is not a potential receptor. Grid Point G68 is across the street from P40.
- 5. Assumes 2,400 cfm from the flare and 160 cfm fugitive emissions at buildout.
- 6. Assumes a child exposed for 15 years. The risk for a worker would be approximately 1/7th of this value for 25-years exposure.

8.11. Uncertainties in Health Risk Assessments

According the OEHHA, 2015, page 1-6, "Risk Assessments generated by an HRA should not be interpreted as the expected rates of disease on the exposed population, but rather as estimates of potential for disease based on current knowledge and a number of assumptions." Uncertainty in the toxicity criteria such as lack of CPs and RELs for some chemicals, and the lack of an adequate toxicological basis for some chemicals, introduces uncertainty. The concentrations at a given location are based on meteorological information that tend to be transitory and concentration of chemicals that may change over time. These uncertainties can result in both under- and overestimation of health risks. However, conservative assumptions are made during emissions modeling and are expected to overestimate the health risk.

9. Dispersion Modeling for PM₁₀

As described in the MBARD CEQA Guidelines, dust emissions can be evaluated based on a dispersion analysis:

"Projects which could generate 82 pounds per day or more of PM10 at the project site (e.g., quarries, truck stops) would result in substantial air emissions and have a significant impact on local air quality. However, District-approved dispersion modeling can be used to refute (or validate) this determination. If modeling demonstrates that emissions would not cause an exceedance of the State PM10 standard (50 μ g/m3) at an existing or reasonably foreseeable receptor as averaged over 24 hours, the impact would not be considered significant.

If ambient PM10 levels already exceed the State AAQS [Ambient Air Quality Standards] in the project area, the project would contribute substantially to the violation if it would emit more than 82 pounds per day. This would be considered a significant individual and cumulative impact on local air quality, since the background concentration reflects the collective contribution of PM10 from nearby sources.

If there are existing PM10 emissions in the project area, dispersion modeling should be undertaken to determine if project plus existing emissions would cause a violation of the State PM10 standard."

JSRL is located 2.5 miles southeast of the background Fairview monitoring station. As shown in the monthly wind roses in **Attachment S**, during August and September the predominant wind direction is from the west and northwest, blowing towards the Landfill and from numerous farm fields to the northwest. During October, the predominant wind direction is from the northwest with wind also coming from the southwest. During November, the predominant wind direction is from the southeast from the direction of the Landfill and from the construction area of the subdivision adjacent to the monitoring station. Because of the distance from the Landfill, the Landfill is not a likely contributor to the PM_{10} background observed at the monitoring station. Regardless, dust generation estimates from landfill operations for scenario 5 (described previously) was modeled for comparison to the CAAQS (50 μ g/m³) and NAAQS (150 μ g/m³) for PM_{10} and the background data at the Fairview station assuming that the data from the Fairview station represents background conditions at or near the Landfill.

As required by the MBARD CEQA Guidelines the following steps were taken to model PM10 emissions from the combined sources described above.

1. Describe the proposed operation and process(es), including hours of operation.

Currently, the JSRL is open for commercial refuse disposal operations seven days a week during the daylight hours, meaning that portion of the day between sunrise and sunset. The Landfill receives refuse from the public Monday through Friday from 8:00 a.m. to 4:00 p.m. and Saturday and Sunday from 9:00 a.m. to 3:00 p.m. The JSRL is closed on the following holidays: New Year's Day, Easter Sunday, Thanksgiving Day, and Christmas Day. The majority of the landfill operations personnel work the hours of 7:00 a.m. to 5:00 p.m., Monday through Sunday. However, some employees work staggered shifts to cover the early and late hours, as well as peak waste delivery periods. Landfill staff may be present for two hours before and after the Landfill is open to the public to perform regular maintenance and cover the waste. For the purposes of equipment usage, including breaks, an 8-hour day is assumed. On weekends equipment usage will be less.

Construction is typically performed on weekdays on 8 to 10 hour shifts of which 15 minutes to a half hour in the morning, half hour for lunch and 15 minutes in the evening are taken for safety meetings, fueling and cleanup. For the purposes of modeling, 8 hours of equipment operation per day are assumed.

2. Describe all on-site sources of stationary and mobile source emissions (e.g., equipment types, truck travel, storage piles).

The mobile emissions from construction operations and stationary emissions from the landfillgas flare and fugitive emissions are described above.

3. Describe how an emissions inventory will be developed for all sources associated with the Proposed Project. In particular, the basis of the emission factors to be used should be explained (e.g., source tests, AP-42, etc.).

The methods of emissions inventory calculation are described in detail above and are summarized in **Tables B20** through **B25**, above.

4. Explicitly state that the linkage between the emissions inventory (i.e., source categories, averaging times) and emission rates used in modeling will be clearly defined. Emissions should be based on maximum operational rates expected within the time frames of the particular AAQS being assessed.

As described above and summarized in **Tables B20** through **B20**, the PM₁₀ emissions for each category and each scenario were calculated and the emissions from each category summed to obtain the total emissions at each receptor for each scenario. Only the scenarios where combined PM₁₀ emissions could not be mitigated to below the threshold of 82 lb/day were analyzed. The emissions were averaged over a 24-hour day.

5. The fraction of PM₁₀ in total particulate matter should be based on a materials analysis of samples taken from proposed source operations and activity areas, if possible.

Silt soil particles range from 3.9 to 62.5 micrometers (passing a No. 200 standard sieve) and mostly within the range of PM₁₀ (10 micrometers). Clay particles range from 0.98 to 3.9 micrometers and are in the ranges of PM_{2.5} (2.5 micrometers). The silt contains weathered sand and claystone bedrock containing 40% or more silt or smaller particles (silt and clay) although in bulk excavation much of that silt is tied up in rock particles until pulverized.

6. The fraction of other air contaminants (e.g., crystalline silica, asbestos) in total particulate matter should also be based on a material analysis of appropriate samples.

The Landfill does not have a process that uses or generates asbestos or crystalline silica. If present, they would occur in the native soils. The Panoche Formation from which the soil is derived does not contain ultramafic rocks (serpentine) from which asbestos is derived and the presence of measurable quantities of asbestos is negligible.

Respirable Crystalline Silica – Respirable crystalline silica (RCS) refers to crystalline silicon dioxide with an aerodynamic diameter less than four (4) microns (i.e., 0.0004 cm). Crystalline silica or quartz is ubiquitous in nature. Most dust generated by construction and mining activities including blasting produces dust particles larger than 4 microns. These particles are too large to reach the alveoli of the lungs which are the target organ. Thus, RCS constitutes a tiny fraction of the dust from these sources and does not represent a significant health risk to neighbors of these types of projects. In order to result in toxic effects, the silica needs to be crystalline, smaller than 4 microns, inhaled, and not exhaled.

The chronic REL for crystalline silica is 3.0 ug/m³. In 2002 a 24-hour value of 3.4 ug/m³ on a hot dry windy day was recorded (MBARD, 2005).

As described above, the project will include numerous dust control management practices. These management practices would minimize fugitive dust impacts, including dust containing crystalline silica to a less-than-significant level.

7. Identify the screening and/or detailed dispersion model(s) to be used with a brief statement as to why the selected model(s) is appropriate for the subject application.

L&A used BREEZE AERMOD by Trinity Consultants to model the emissions. AERMOD is the preferred model of the U.S. EPA for near-field air dispersion modeling. The model parameters are described in more detail above.

8. Identify an appropriate background concentration that reflects ambient PM₁₀ levels at the project site based on the MBARD protocol.

As described in the introduction, background data was obtained from the third highest PM₁₀ reading from the Fairview Station. Because the highest readings occurred in September through November and bulk excavation typically occurs in April through July, the third highest reading from April through July was obtained as a more applicable background.

9. Identify the location of existing or reasonably foreseeable sensitive receptors (e.g., residences, hospitals, schools) near the project site.

Figure B4 shows the locations of the surrounding sensitive receptors analysis points along the property boundary. Locations along the property boundary nearest to all of the scenarios are a conservative assessment of potential receptors.

10. At a minimum, estimate the maximum head level (1.5-meters default in AERMOD) ground-level PM₁₀ concentrations at existing or reasonably foreseeable sensitive receptors for comparison with applicable AAQS.

The ground-level and head-level modeling results are presented in **Table B32** below. The ground level results were slightly higher than the head-level results.

11. Determine whether PM₁₀ generated by the project would cause a violation of applicable PM₁₀ AAQS at any existing or reasonably foreseeable sensitive receptor location. If ambient concentrations already exceeded the State 24-hour AAQS, determine if the project would substantially contribute to the existing or projected violation.

Table B32 summarizes the results of PM₁₀ dispersion modeling for Scenario 5.

Table B32 PM₁₀ Dispersion Modeling Results for Scenario 5

Location	Receptor	Met. Data Year ¹	Ground Level µg/m³	Head Level μg/m³	Yearly Background ¹ μg/m ³	Spring Background ¹ µg/m ³	CAAQS	NAAQS
PMI	P37	2020	4.66	4.68	111.7	42.9	50	150
MEIR	RP_H1	2020	0.66	0.66	111.7	42.9	50	150

Notes: 1: The third highest value for background was during 2020.

When compared to the third highest background (that occurred in the fall of 2020) the additional PM₁₀ contribution from the Proposed Project at the property line would amount to 4.2% of the background and is not anticipated to be a significant contributor to an exceedance. When added to the third highest background for April, May, June, and July ("Spring" in **Table B31**), the total

would fall below both the CAAQS and NAAQS and would not contribute to an exceedance. The change in PM_{10} would be negligible. The low off-site fugitive dust results suggest some flexibility in the limits for the other scenarios but does not warrant additional monitoring.

10. Dispersion Modeling for SO₂

As described in the MBARD design manual, dust emissions can be evaluated based on a dispersion analysis:

"Sources which directly emit 150 pounds or more per day of oxides of sulfur as sulfur dioxide (SO2) (e.g., industrial operations) would result in substantial air emissions and have a significant impact on air quality. However, modeling can be used to refute (or validate) this determination. If modeling demonstrates that the source would not cause a violation of State or national AAQS at existing or reasonably foreseeable receptors, the project would not have a significant impact on air quality"

As described in **Table B3** above, there are no known background data within the MBARD, therefore the modeled SO₂ is compared to the CAAQS and NAAQS described in **Table B1** above and repeated here in **Table B33**, for convenience.

Table B33 Current State and Federal Ambient Air Quality Standards for SO₂							
Pollutent Averaging California National Standards ²							
Pollutant	Time	Concentration	Primary	Secondary			
Sulfur Dioxide (SO ₂)	1-hour	0.25 ppm (655 µg/m³)	75 ppb (196 µg/m³)	-			
	3-hour	-	-	0.5 ppm (1,300 µg/m³)			
	24-hour	0.04 ppm (104 µg/m³)	0.14 ppm (367 µg/m³) (for certain areas) 11	-			
	Annual Arithmetic Mean	-	0.030 ppm (77 µg/m ³⁾ (for certain areas) 11	-			

Note: See Table B1 for footnotes.

As required by the MBARD CEQA Guidelines the following steps were taken to model SO₂ emissions from the combined sources described above.

1. Describe the proposed operation and process(es), including hours of operation.

The SO₂ emissions are from an LFG flare and it is assumed that vehicle emissions are negligible in comparison to the flare emissions. The flare currently produces less than the MBARD threshold of significance of 150 lb/day. However, once the LFG generation rate passes approximately 1,709 cfm and assuming 98% of the LFG passes through the flare, the MBARD

threshold could be exceeded. The Project proponent is proposing installing a RNG facility which would result in flaring a fraction of the LFG during normal operation. However, during system maintenance, all of the LFG would be combusted in the flare potentially producing peak SO₂ emissions of 214.91 lb/day in 2071 for limited time periods (hours to weeks).

2. Describe all on-site sources of stationary and mobile source emissions (e.g., equipment types, truck travel, storage piles).

The mobile emissions from construction operations and stationary emissions from the landfillgas flare and fugitive emissions are described above.

3. Describe how an emissions inventory will be developed for all sources associated with the Proposed Project. In particular, the basis of the emission factors to be used should be explained (e.g., source tests, AP-42, etc.).

The methods of emissions inventory calculation are described in detail above and are summarized in **Tables B20** through **B25**, above.

4. Explicitly state that the linkage between the emissions inventory (i.e., source categories, averaging times) and emission rates used in modeling will be clearly defined. Emissions should be based on maximum operational rates expected within the time frames of the particular AAQS being assessed.

As described in Item 1, above, the SO₂ emission analysis is based on the estimated peak for the life of the landfill.

5. The fraction of SO₂ should be based on a materials analysis of samples taken from proposed source operations and activity areas, if possible.

The SO₂ in the LFG Flare exhaust is based on the tested stack emissions as described in **Attachment C**.

6. Identify the screening and/or detailed dispersion model(s) to be used with a brief statement as to why the selected model(s) is appropriate for the subject application.

L&A used BREEZE AERMOD by Trinity Consultants to model the emissions. AERMOD is the preferred model of the U.S. EPA for near-field air dispersion modeling. The model parameters are described in more detail above.

7. Identify an appropriate background concentration that reflects ambient SO₂ levels at the project site based on the MBARD protocol.

As described in the introduction, there is no available background data for SO₂ from the MBARD monitoring stations.

8. Identify the location of existing or reasonably foreseeable sensitive receptors (e.g., residences, hospitals, schools) near the project site.

Figure B4 shows the locations of the surrounding sensitive receptors analysis points along the property boundary. Locations along the property boundary nearest to all of the scenarios are a conservative assessment of potential receptors.

9. At a minimum, estimate the maximum head level (1.5-meters default in AERMOD) ground-level concentrations at existing or reasonably foreseeable sensitive receptors for comparison with applicable AAQS.

The ground-level and head-level modeling results are presented in **Table B34** below. The ground level results were slightly higher than the head-level results.

10. Determine whether SO₂ generated by the project would cause a violation of applicable AAQS at any existing or reasonably foreseeable sensitive receptor location. If ambient concentrations already exceeded the State 24-hour AAQS, determine if the project would substantially contribute to the existing or projected violation.

Table B34 on the following page summarizes the results of SO₂ for each averaging period.

Table B34 SO₂ Dispersion Modeling Results

Location	Receptor ¹	Met. Data Year ²	Ground Level μg/m ³	Head Level µg/m³	CAAQS	NAAQS		
2000000	1-hour							
PMI	P23, P9	2018, 2020	27.1	28.9	0.25 ppm (655 µg/m³)	75 ppb (196 µg/m³)³		
MEIR	RP_H9	2019	7.9	7.9	0.25 ppm (655 µg/m ³)	75 ppb (196 µg/m³)³		
	3-hour							
PMI	G80	2018, 2020	16.5	16.8	NA	$0.5 \text{ ppm } (1300 \text{ µg/m}^3)^4$		
MEIR	RP_H1	2019	6.2	6.3	NA	$0.5 \text{ ppm } (1300 \text{ µg/m}^3)^4$		
				24-hour				
PMI	P46	2019, 2018	4.92	4.96	0.04 ppm (105 µg/m³)	0.14 ppm (364 µg/m ³) ³ (for certain areas)		
MEIR	RP_H1	2018, 2019	1.44	0.66	0.04 ppm (105 µg/m³)	0.14 ppm (364 µg/m ³) ³ (for certain areas		
	Annual Average							
PMI	P46	2020	1.415	1.470	0.04 ppm (105 μg/m3)	0.14 ppm (364 µg/m³)³		
MEIR	RP_H1	2019	0.246	0.250	0.04 ppm (105 μg/m3)	0.14 ppm (364 µg/m³)³		

Notes: 1: Ground-Level Receptor Location, Head Level-Receptor Location, when different.

- 2: Ground-Level Receptor Highest Data Year, Head-Level Receptor Location Highest Data Year, when different.
- 3: Primary Standard.
- 4: Secondary Standard.

The concentrations of SO₂ at the highest PMI and MEIR are well below both the CAAQS and NAAQS and a discharge concentration of 214.91lb/day from the LFG flare would not contribute to a violation of the applicable standards.

11. References

CalRecycle, 2010. CalRecycle, October 2010, Biocovers at Landfills for Methane Emission Reduction Contractor's Report.

CAPCOA, 2017. California Air Pollution Control Officers Association (CAPCOA), October 2017, CalEEMod, October 2017, Appendix D.

CARB, 2011. California Air Resources Control Board (CARB), December 28, 2011, *The Carl Moyer Program Guidelines*, 2011 Revisions.

CARB, 2015. California Air Resources Control Board (CARB), May 12, 2015, *EMFAC*, 2014, Volume III – Technical Documentation v1.0.7.

CARB, 2017. California Air Resources Control Board (CARB), April 27, 2017, *The Carl Moyer Program Guidelines*, 2017 Revisions.

CARB, 2018. California Air Resources Control Board (CARB), *March 1, 2018, EMFAC2017 Volume I – User's Guide V1.0.2*.

CARB, 2020a. California Air Resources Board (CARB), Data Statistics Page: https://www.arb.ca.gov/adam/select8/sc8display.php accessed January 2020.

CARB, 2020b. California Air Resources Control Board (CARB), 2020, *Consolidated Table of OEHHA / CARB Approved Risk Assessment Health Values* https://ww2.arb.ca.gov/resources/documents/consolidated-table-oehha-carb-approved-risk-assessment-health-values, Website accessed December 2020.

CIMAC, 2008. The International Council of Combustion Engines (CIMAC), Guide to Diesel Exhaust Emissions Control of NOx, SOx, Particulates, Smoke, and CO₂, Page 11.

Chavan & Kumar, 2018. Dingambar Chavan & Sunil Kumar, January 15, 2018, *Reduction of Methan Emission from Landfill Using Biocover as a Biomitigation System Review*, Indian Journal of Experimental Biology, Vol. 56, July 2018, pp. 451-459.

Hansen, James L., and Yesiller, Nazli, March 25, 2020. Estimation and Comparison of Methane, Nitrous Oxide, and Trace Volatile Organic Compound Emissions and Gas Collection System Efficiencies in California Landfills.

L&A, 2016. Lawrence & Associates (L&A), 2016 Construction Activities Management Plan (CAMP) for Cold Canyon Landfill Expansion (and subsequent quarterly emissions reports).

L&A, 2020. Lawrence & Associates, July 2021, Design Basis Report for the John Smith Road Landfill Expansion, San Benito County, California.

MBARD, 2005. Monterey Bay Air Resources District 2005, Report on Attainment of the California Particulate Matter Standards in the Monterey Bay Region.

NIOSH, 2019. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health (NIOSH), March 2019, *Dust Control Handbook for Industrial Minerals Mining and Processing, Second Edition*.

PG&E, 2021a. Pacific Gas & Electric Company 2021.

https://www.pgecorp.com/corp responsibility/reports/2021/planet.html accessed October 2021.

PG&E, 2021b. Pacific Gas & Electric Company 2021.

https://www.pgecorp.com/corp responsibility/reports/2021/pl02 climate change.html

San Benito County, 2015. San Benito County Regional Transportation Plan 2040, Chapter 3, based on projected population growth in San Benito County of 32% between 2015 and 2040.

SCAQMD, 2006. South Coast Air Quality Management District (SCAQMD), September 1, 2017, Risk Assessment Procedures for Rules 1401, 1401.1, and 212., version 8.1.

SCAQMD, 2017. South Coast Air Quality Management District (SCAQMD), December 9, 2016, South Coast AQMD Modeling Guidance for AERMOD.

Sullivan, 2009. SCS Engineers and Patrick Sullivan. January 2009, *Current MSW Industry Position and State of the Practice on LFG Collection Efficiency, Methane Oxidation, and Carbon Sequestration in Landfills*.

The Climate Registry, 2021. May 2021, 2021, Default Emissions Factors.

USEPA, 1988. U.S. Environmental Protection Agency (USEPA), September 1988, Control of Open Fugitive Dust Sources.

USEPA, 2002. U.S. Environmental Protection Agency (USEPA), January 1991, Revised October 2002, Supplement A to Compilation of Air Pollutant Emissions Factors, Volume II: Mobile Sources, Section 13.2.1.3 for Predictive Emissions Factor Equation [Dust].

USEPA, 2005. U.S. Environmental Protection Agency (USEPA), 2005, *Landfill Gas Emissions Model (LandGEM) Version 3.02 User's Guide*. EPA-60/R-05/047.

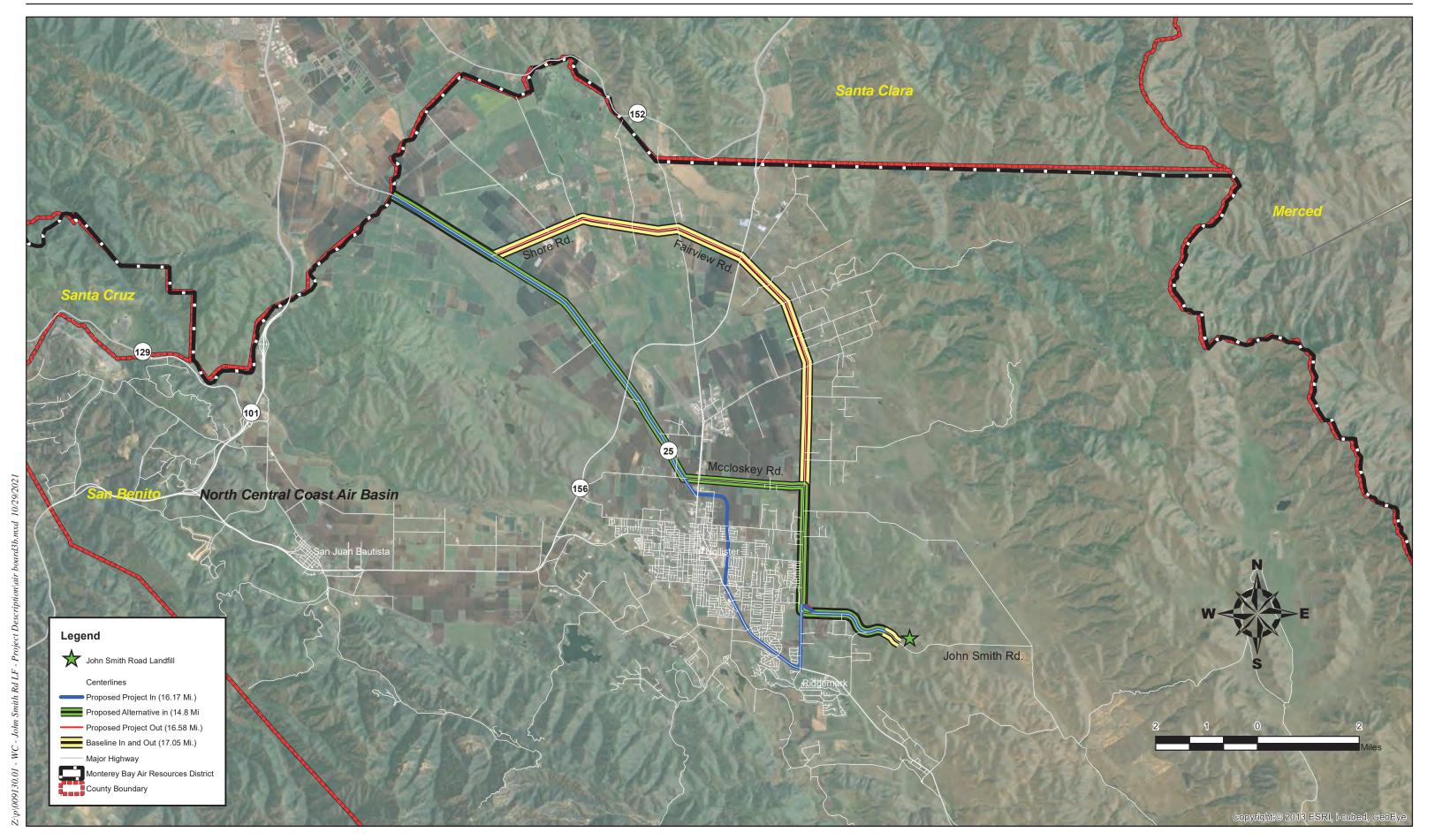
USEPA, 2008. U.S. Environmental Protection Agency (USEPA), September 2008, *Background Information Document for Updating AP42 Section 2.4 for Estimating Emissions from Municipal Solid Waste*. EPA/600/R-08-116 (Fifth edition draft values).

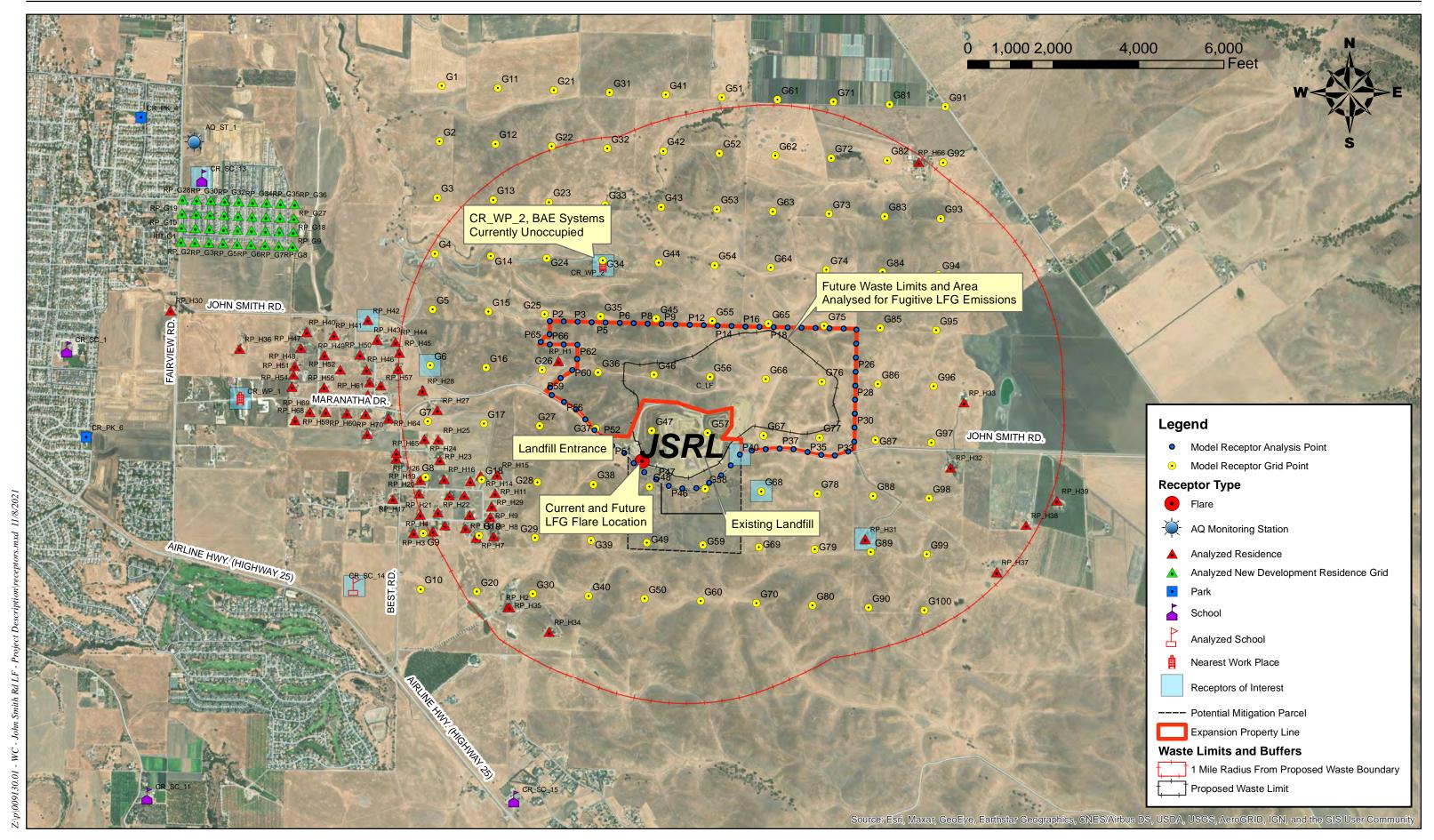
USEPA, 2020a. Center for Corporate Climate Leadership Inventory, March 26, 2020, GHG Emission Factors Hub, Emissions Factors for Greenhouse Gas Inventoried, Modified March 26, 2020.

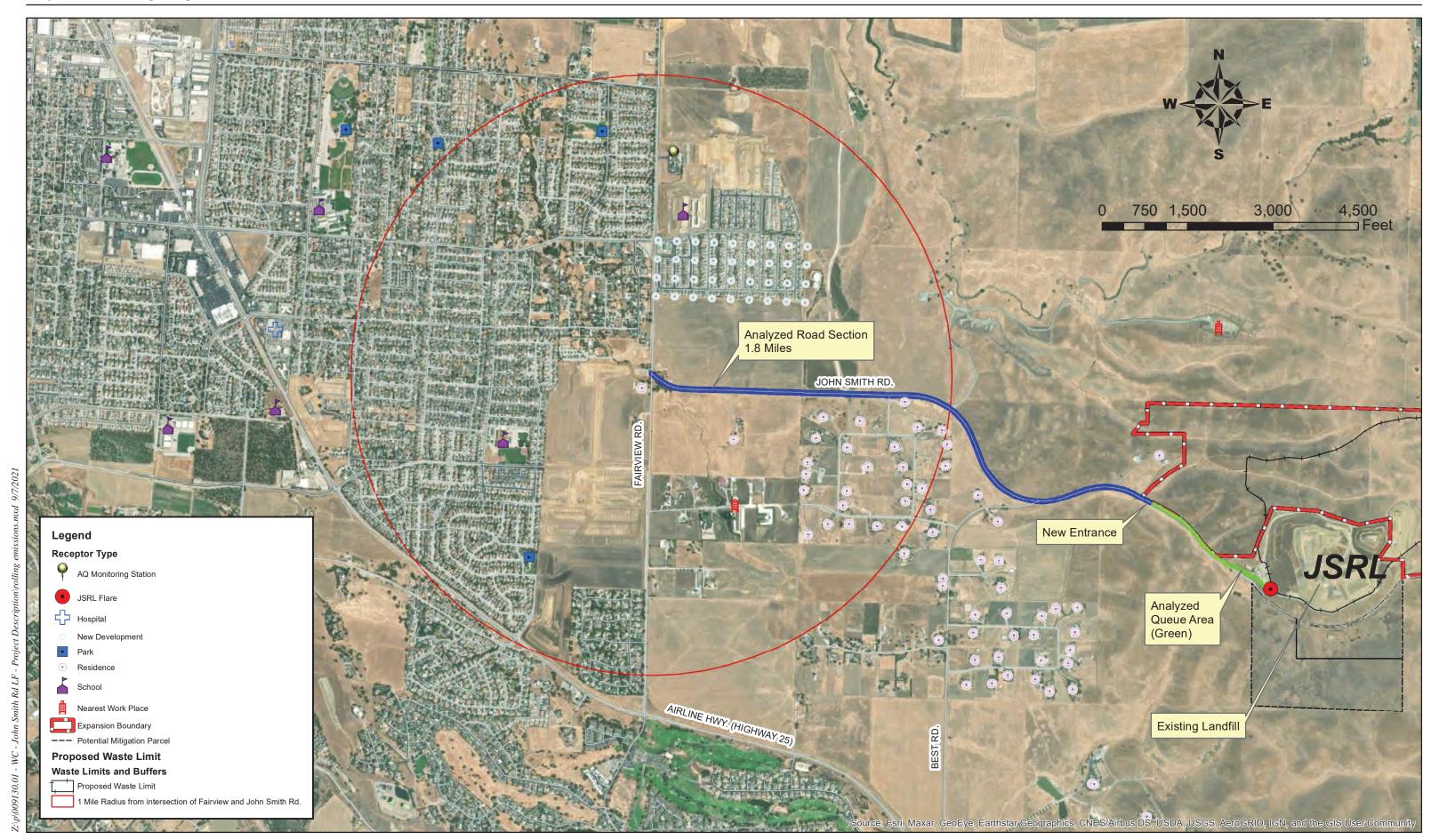
USEPA, 2020b. U.S. Environmental Protection Agency (USEPA), Support Center for Regulatory Atmospheric Modeling (SCRAM) website. Accessed 12-31-2000.

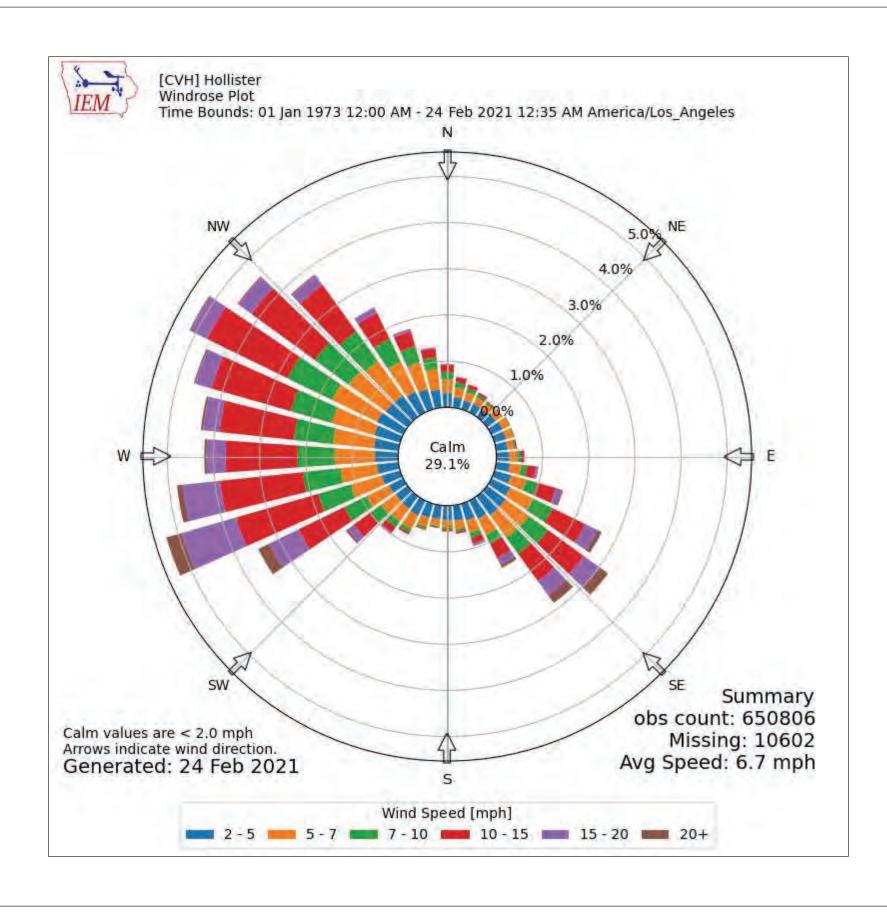
Yao, et. al., 2005. Yao, X., Lau, N. T., Chan, C. K, and Fang, M. 2005, *The use of tunnel concentration profile data to determine the ratio of NO2/NOx directly emitted from vehicles*, Atmospheric Chemistry and Physics Discussions, 2005, Issue 5, pages 12723-12740.

List Hazardous Air Pollutants (HAPs) per Title III Clean Air Act Amendments, 1990, and include compounds found in landfill gas, per AP-42 Table 2.4-1 "Default Concentrations for LFG Constituents."

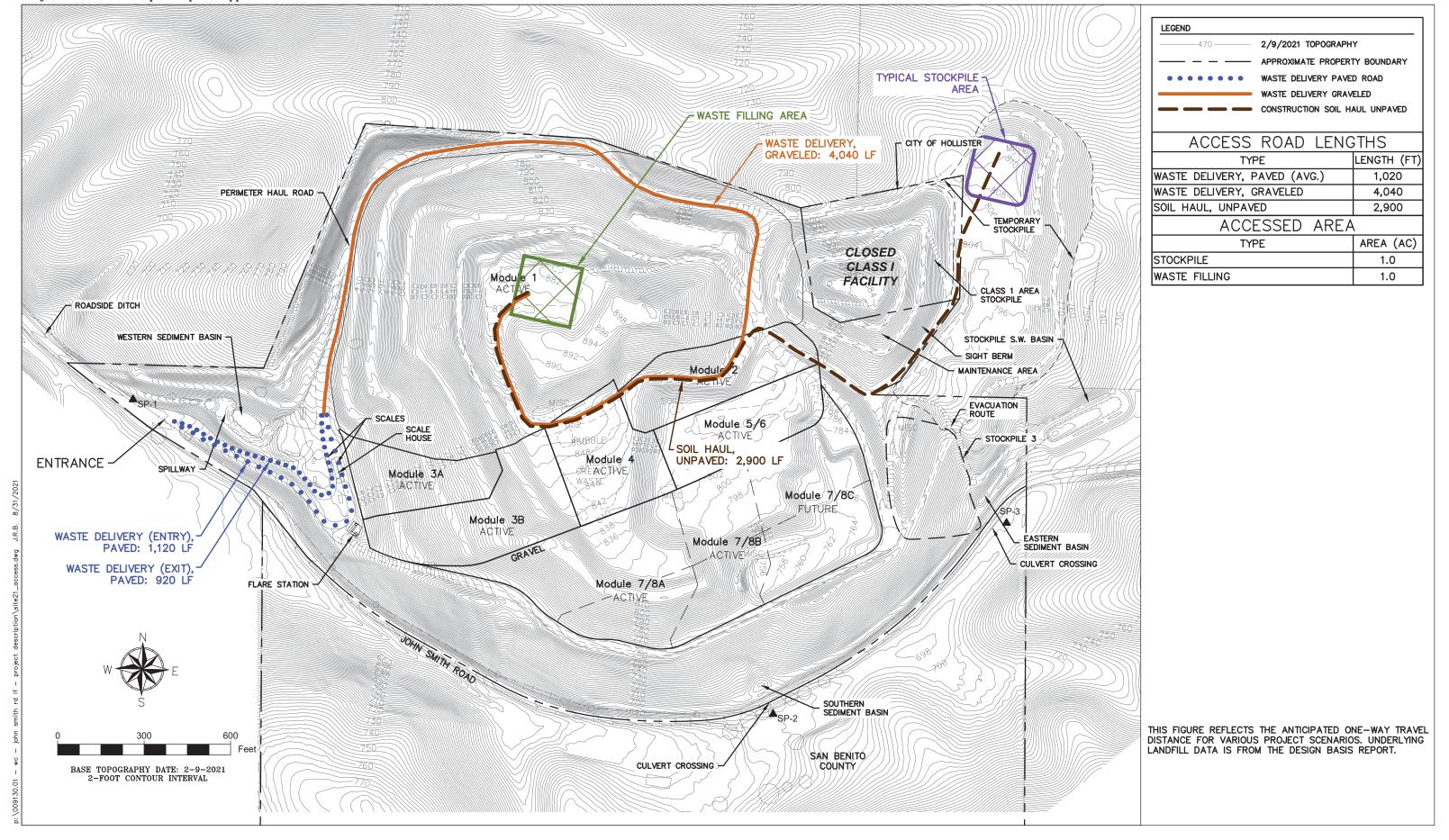








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IOWA ENVIRONMENTAL MESONET



BASE TOPOGRAPHY DATE: 2-9-2021 10-FOOT CONTOUR INTERVAL

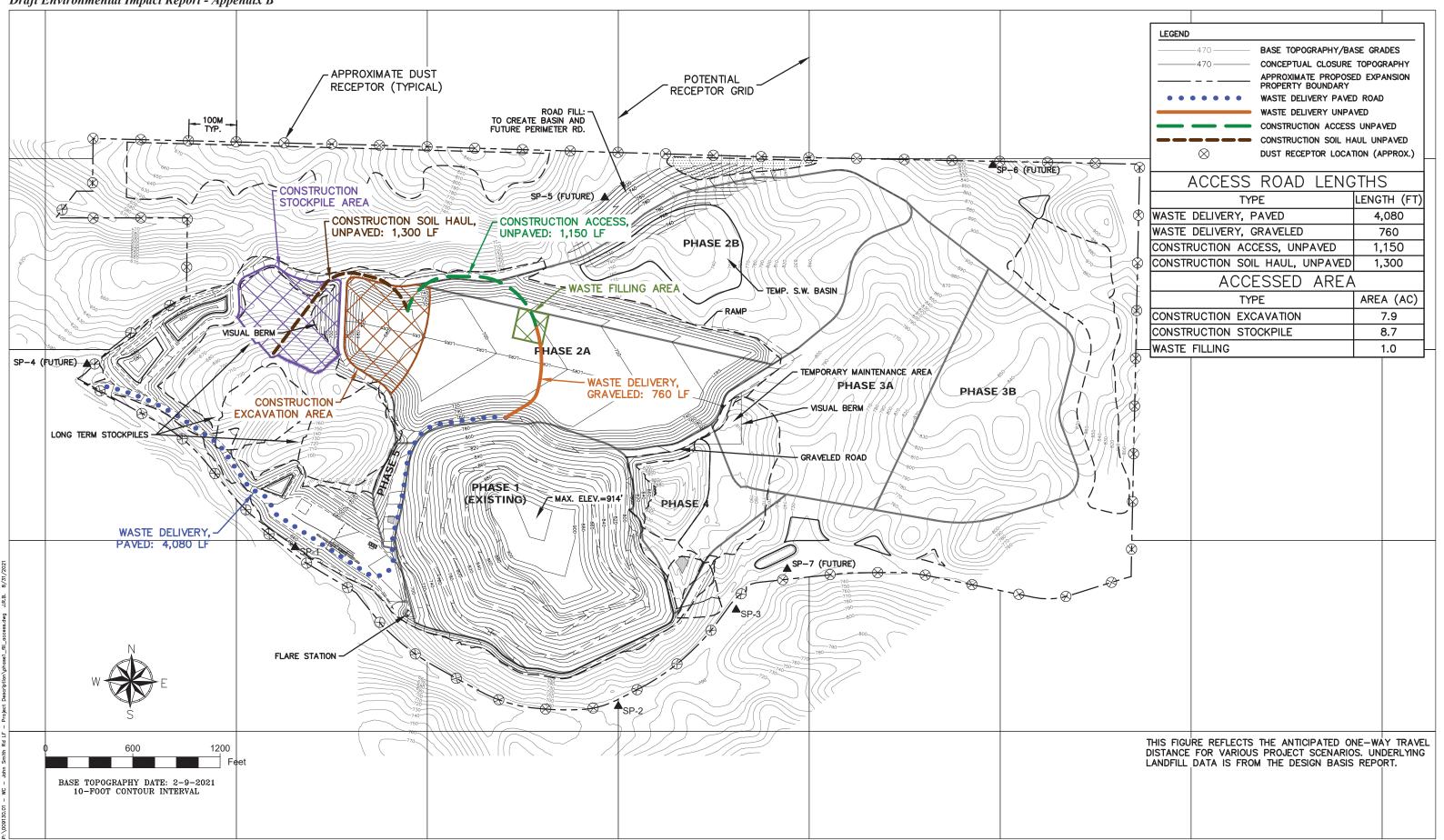
1200

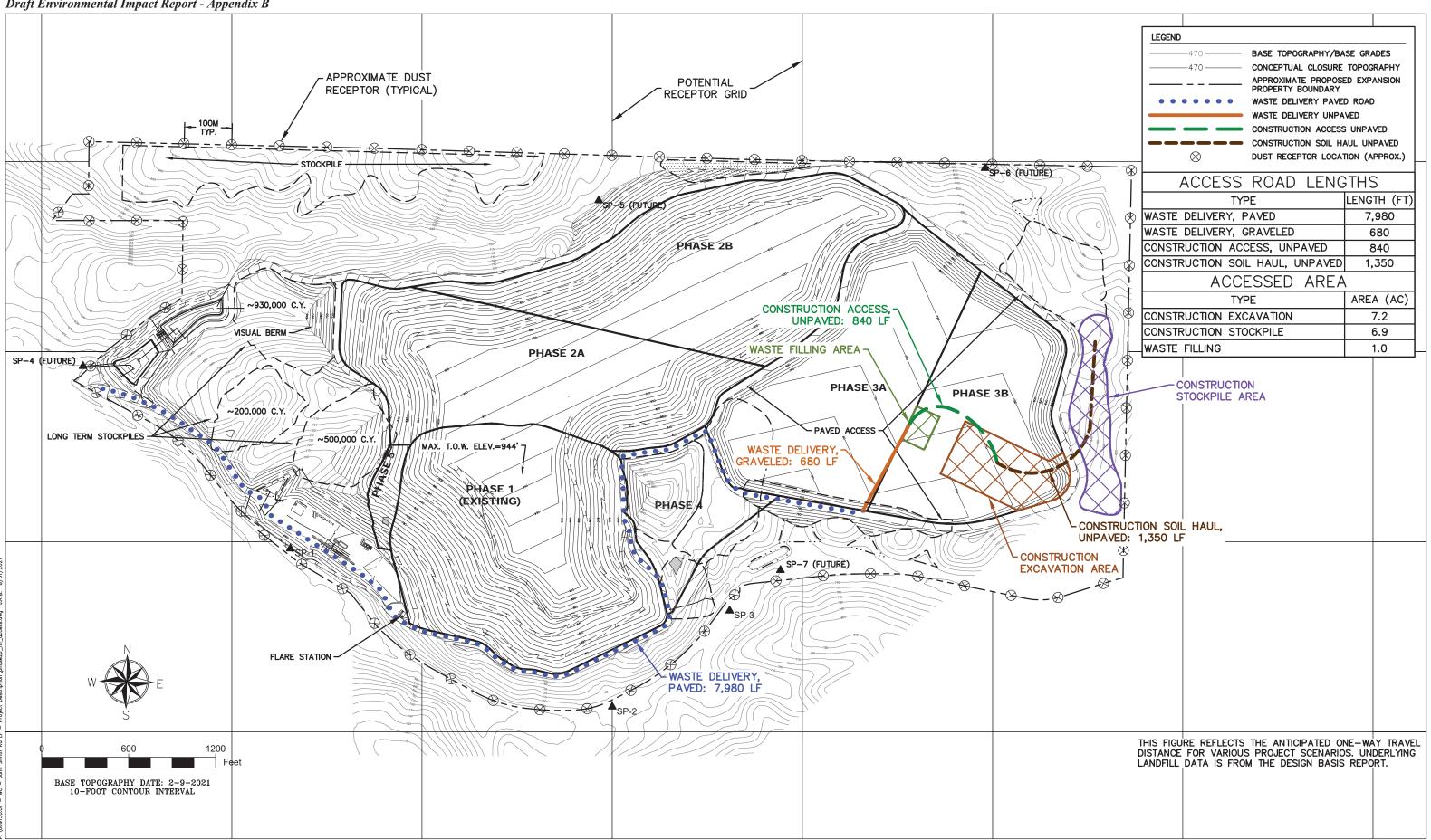
THIS FIGURE REFLECTS THE ANTICIPATED ONE—WAY TRAVEL DISTANCE FOR VARIOUS PROJECT SCENARIOS. UNDERLYING

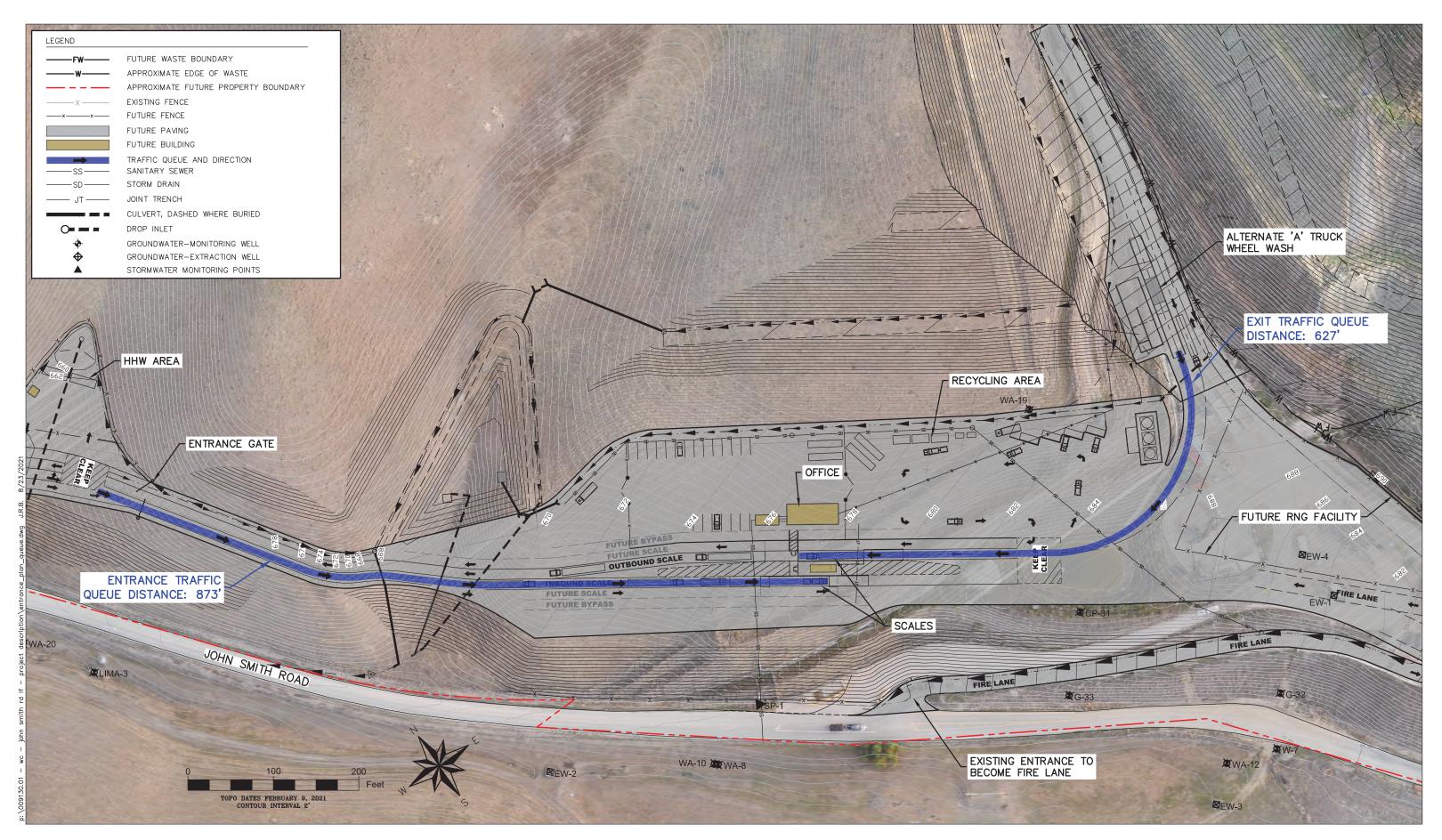
LANDFILL DATA IS FROM THE DESIGN BASIS REPORT.

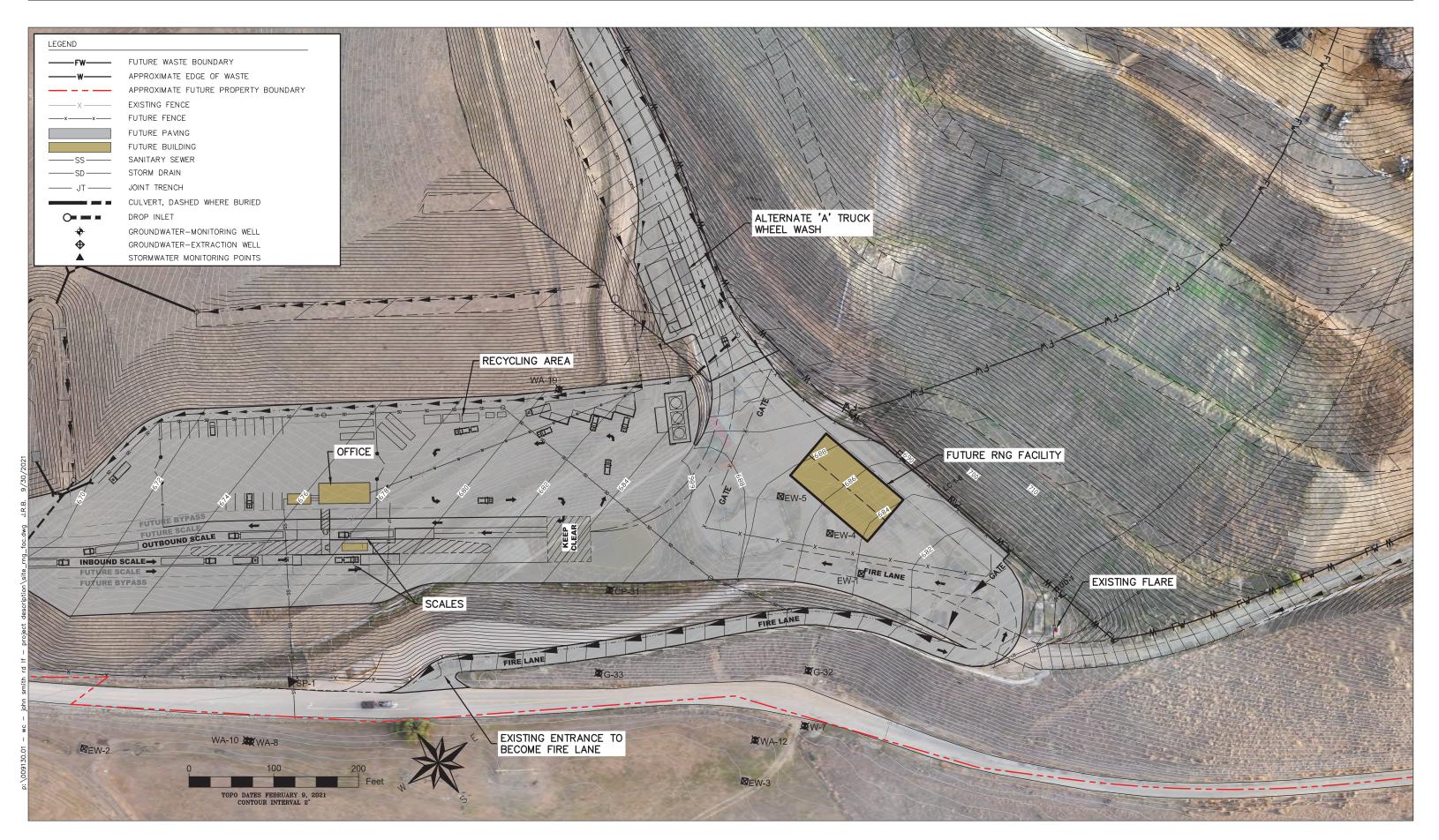
THIS SCENARIO INCLUDES THE BASELINE (EXISTING) ENTRANCE AND WESTERLY STOCKPILE DEVELOPMENT. CONSTRUCTION SOIL HAUL PATH ANTICIPATE USING THE

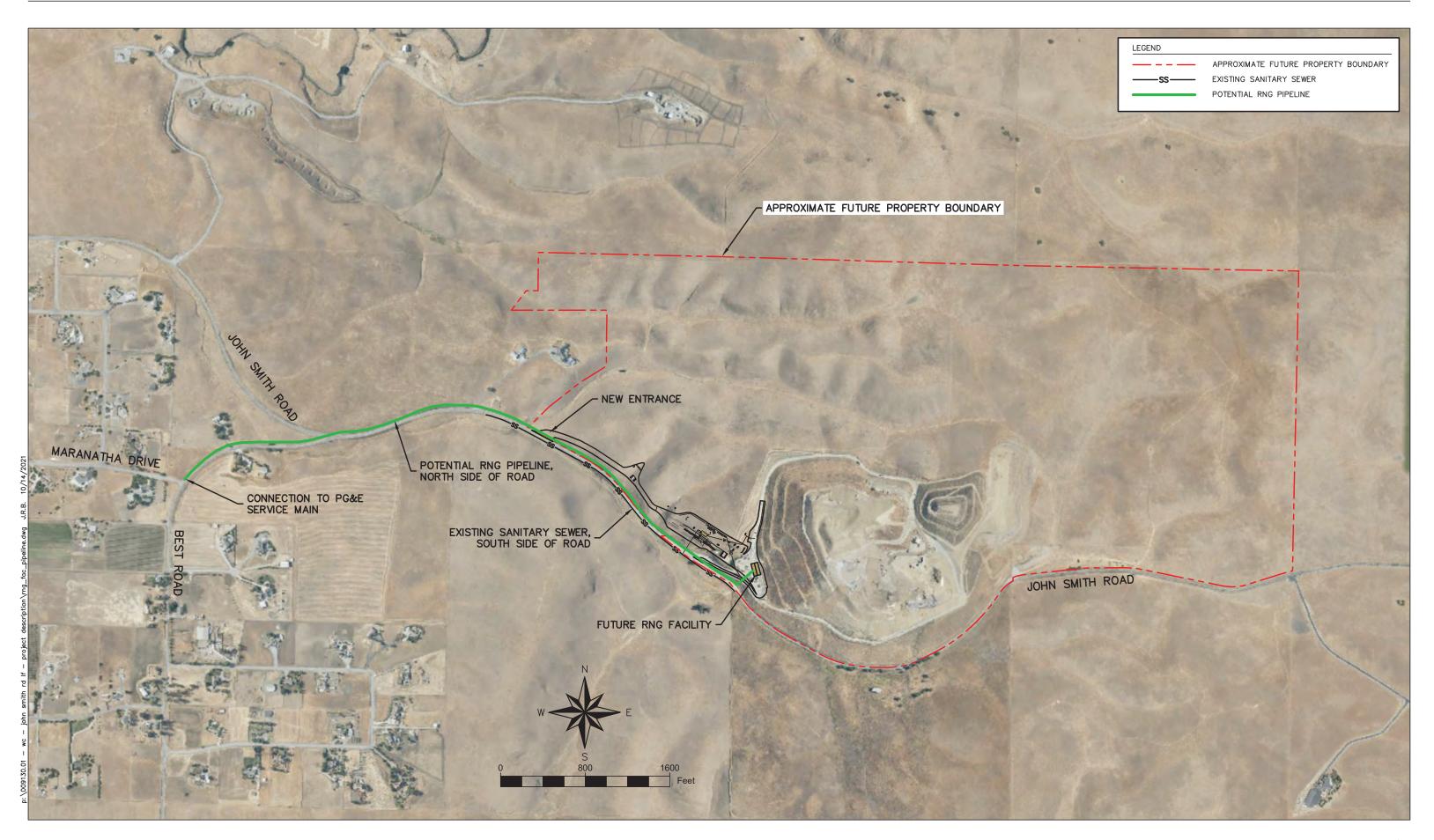
CLOSEST AVAILABLE STOCKPILE.











BIOGAS: 45-50% CH $_4$; 0-3% O $_2$; 7,000 ppmv H $_2$ S ; 5-20% N $_2$ 200,000 TONS OF WASTE PER YEAR



BIOGAS: 40-50% CH $_4$; 0-3% O $_2$; 300 ppmv H $_2$ S ; 5-20% N $_2$ 600,000 TONS OF WASTE PER YEAR

PHOTOS COURTESY OF WAGA ENERGY

Table A1
John Smith Road Landfill
Historical and Proposed Project

Projected Annual Tonnage

Historical Data Ramp Up Period

In County Only Period

county c	iny i eriod	Metric
Year	Short Tons	Tons
1968	0	0
1969	6,993	6,344
1970	7,384	6,699
1971	7,788	7,065
1972	8,217	7,454
1973	8,690	7,883
1974	9,152	8,303
1975	9,669	8,772
1976	10,208	9,261
1977	10,769	9,769
1978	11,374	10,318
1979	12,001	10,887
1980	12,705	11,526
1981	13,310	12,075
1982	14,190	12,873
1983	14,850	13,472
1984	15,730	14,270
1985	16,610	15,068
1986	17,490	15,867
1987	18,480	16,765
1988	19,470	17,663
1989	20,680	18,761
1990	21,670	19,659
1991	22,990	20,856
1992	22,770	20,657
1993	21,230	19,260
1994	28,490	25,846
1995	31,020	28,141
1996	44,330	40,216
1997	70,620	64,065
1998	105,710	95,899
1999	82,390	74,743
2000	81,180	73,645
2001	64,350	58,377
2002	62,260	56,481
2003	60,610	54,984
2004	54,560	49,496

		Metric
Year	Short Tons	Tons
2005	73,260	66,460
2006	73,260	66,460
2007	89,425	81,125
2008	115,926	105,166
2009	113,664	103,114
2010	85,133	77,232
2011	83,984	76,189
2012	90,210	81,837
2013	116,961	106,105
2014	128,968	116,998
2015	234,289	212,543
2016	315,121	285,873
2017	308,406	279,781
2018	290,641	263,665
2019	307,622	279,070
2020	303,000	274,877
2021	333,203	302,277
2022	362,081	328,474
2023	390,958	354,671
2024	419,836	380,869
2025	448,713	407,066
2026	477,591	433,263
2027	506,469	459,461
2028	535,346	485,658
2029	564,224	511,855
2030	593,101	538,053
2031	621,979	564,250
2032	650,857	590,447
2033	679,734	616,645
2034	708,612	642,842
2035 2036	737,489 766,367	669,039 695,237
2037	766,367	695,237
2038	766,367	695,237
2039	766,367	695,237
2040	766,367	695,237
2041	766,367	695,237
2042	766,367	695,237
2043	766,367	695,237
2044	766,367	695,237
2045	766,367	695,237
2046	766,367	695,237
2047	766,367	695,237
2048	766,367	695,237
2049	766,367	695,237
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		Metric
Vear	Short Tons	Tons
2050	766,367	695,237
2051	766,367	695,237
2052	766,367	695,237
2053	766,367	695,237
2054	766,367	695,237
2055	766,367	695,237
2056	766,367	695,237
2057	766,367	695,237
2058	766,367	695,237
2059	766,367	695,237
2060	766,367	695,237
2061	766,367	695,237
2062	766,367	695,237
2063	766,367	695,237
2064	766,367	695,237
2065	766,367	695,237
2066	766,367	695,237
2067	766,367	695,237
2068	766,367	695,237
2069	766,367	695,237
2070	536,457	486,666
2071	86,815	78,757
2072	87,035	78,957
2073	87,256	79,157
2074	87,478	79,359
2075	87,700	79,560
2076	87,923	79,762
2077	88,146	79,965
2078	88,370	80,168
2079	88,594	80,372
2080	88,819	80,576
2081	89,045	80,780
2082	89,271	80,985
2083	89,498	81,191
2084	89,725	81,397
2085	89,953	81,604
2086	90,182	81,811

Table A2 Projected Total LFG Generation Rate John Smith Road Landfill Proposed Project Assuming Ramp-Up to 98%

LFG Generation Assuming Existing Lo = 60 m3/Mg and From CEC Consultants 9/29/2021

80% Collection Efficiency (current)

Transition from 80% to 98% Collection Efficiency

98% Collection Efficiency

Year	Collected LFG	Fugitive CO2	Fugitive Methane	Fugitive LFG	Total LFG
	cfm	cfm	cfm	cfm	cfm
2021	360	45	41	86	446
2022	396	50	45	94	490
2023	425	53	48	101	526
2024	455	57	51	108	563
2025	486	61	55	115	601
2026	519	65	58	123	642
2027	554	69	62	132	686
2028	590	74	66	140	730
2029	668	59	53	112	780
2030	751	42	38	79	830
2031	797	44	40	84	881
2032	844	47	42	89	933
2033	894	50	45	94	988
2034	965	42	38	80	1045
2035	1,052	28	25	53	1105
2036	1,108	29	26	55	1163
2037	1,203	12	11	23	1226
2038	1,252	13	11	24	1276
2039	1,300	13	12	25	1325
2040	1,347	14	12	26	1373
2041	1,393	14	13	27	1420
2042	1,438	15	13	28	1466
2043	1,483	15	14	29	1512
2044	1,526	16	14	30	1556
2045	1,568	16	14	30	1598
2046	1,610	16	15	31	1641
2047	1,651	17	15	32	1683
2048	1,691	17	16	33	1724
2049	1,730	18	16	34	1764

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Year	Collected LFG	Fugitive CO2	Fugitive Methane	Fugitive LFG	Total LFG
	cfm	cfm	cfm	cfm	cfm
2050	1,769	18	16	34	1803
2051	1,807	18	17	35	1842
2052	1,844	19	17	36	1880
2053	1,880	19	17	36	1916
2054	1,915	20	18	37	1952
2055	1,950	20	18	38	1988
2056	1,984	20	18	38	2022
2057	2,018	21	19	39	2057
2058	2,050	21	19	40	2090
2059	2,083	21	19	40	2123
2060	2,114	22	19	41	2155
2061	2,145	22	20	42	2187
2062	2,175	22	20	42	2217
2063	2,205	22	20	43	2248
2064	2,234	23	21	43	2277
2065	2,263	23	21	44	2307
2066	2,290	23	21	44	2334
2067	2,318	24	21	45	2363
2068	2,345	24	22	45	2390
2069	2,371	24	22	46	2417
2070	2,397	24	22	46	2443
2071	2,400	24	22	47	2447
2072	2,361	24	22	46	2407
2073	2,322	24	21	45	2367
2074	2,285	23	21	44	2329
2075	2,248	23	21	44	2292
2076	2,212	23	20	43	2255
2077	2,176	22	20	42	2218
2078	2,141	22	20	42	2183
2079	2,107	22	19	41	2148
2080	2,074	21	19	40	2114
2081	2,041	21	19	40	2081
2082	2,010	21	18	39	2049
2083	1,978	20	18	38	2016
2084	1,948	20	18	38	1986
2085	1,917	20	18	37	1954
2086	1,888	19	17	37	1925
2087	1,859	19	17	36	1895
2088	1,831	19	17	35	1866

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Year	Collected LFG	Fugitive CO2	Fugitive Methane	Fugitive LFG	Total LFG
	cfm	cfm	cfm	cfm	cfm
2089	1,795	18	16	35	1830
2090	1,759	18	16	34	1793
2091	1,724	18	16	33	1757
2092	1,690	17	16	33	1723
2093	1,657	17	15	32	1689
2094	1,624	17	15	31	1655
2095	1,592	16	15	31	1623
2096	1,560	16	14	30	1590
2097	1,529	16	14	30	1559
2098	1,499	15	14	29	1528
2099	1,469	15	13	28	1497
2100	1,440	15	13	28	1468
2101	1,412	14	13	27	1439
2102	1,384	14	13	27	1411
2103	1,356	14	12	26	1382
2104	1,330	14	12	26	1356
2105	1,303	13	12	25	1328
2106	1,277	13	12	25	1302
2107	1,252	13	11	24	1276
2108	1,227	13	11	24	1251
2109	1,203	12	11	23	1226
2110	1,179	12	11	23	1202
2111	1,156	12	11	22	1178
2112	1,133	12	10	22	1155
2113 2114	1,111	11 11	10 10	22 21	1133
2114	1,089 1,067	11	10	21	1110 1088
2116	1,046	11	10	20	1066
2117	1,025	10	9	20	1045
2117	1,005	10	9	19	1024
2119	985	10	9	19	1004
2120	965	10	9	19	984
2121	946	10	9	18	964
2122	928	9	9	18	946
2123	909	9	8	18	927
2124	891	9	8	17	908
2125	874	9	8	17	891
2126	856	9	8	17	873
2127	839	9	8	16	855
2128	823	8	8	16	839
2129	806	8	7	16	822

Year	Collected LFG	Fugitive CO2	Fugitive Methane	Fugitive LFG	Total LFG
	cfm	cfm	cfm	cfm	cfm
2130	790	8	7	15	805
2131	775	8	7	15	790
2132	759	8	7	15	774
2133	744	8	7	14	758
2134	730	7	7	14	744
2135	715	7	7	14	729
2136	701	7	6	14	715
2137	687	7	6	13	700
2138	674	7	6	13	687
2139	660	7	6	13	673
2140	647	7	6	13	660
2141	634	6	6	12	646
2142	622	6	6	12	634
2143	609	6	6	12	621
2144	597	6	5	12	609
2145	586	6	5	11	597
2146	574	6	5	11	585
2147	563	6	5	11	574
2148	551	6	5	11	562
2149	541	6	5	10	551
2150	530	5	5	10	540
2151	519	5	5	10	529
2152	509	5	5	10	519
2153	499	5	5	10	509
2154	489	5	4	9	498
2155	479	5	4	9	488
2156	470	5	4	9	479
2157	461	5	4	9	470
2158	452	5	4	9	461
2159	443	5	4	9	452
2160	434	4	4	8	442
2161	425	4	4	8	433

Table A3 Projected Total LFG Generation Rate John Smith Road Landfill Proposed Project Assuming Ramp-Up to 95% Collection Eff.

LFG Generation Assuming Existing Lo = 60 m3/Mg and From CEC Consultants 6/29/2022

80% Collection Efficiency (current)

Transition from 80% to 95% Collection Efficiency

95% Collection Efficiency

Year	Collected LFG	Fugitive CO2	Fugitive Methane	Fugitive LFG	Total LFG
	cfm	cfm	cfm	cfm	cfm
2021	360	45	41	86	446
2022	396	50	45	94	490
2023	425	53	48	101	526
2024	455	57	51	108	563
2025	486	61	55	115	601
2026	519	65	58	123	642
2027	554	69	62	132	686
2028	590	74	66	140	730
2029	668	59	53	112	780
2030	709	63	56	119	828
2031	753	66	60	126	879
2032	844	47	42	89	933
2033	894	50	45	94	988
2034	944	52	47	100	1,044
2035	1,052	28	25	53	1,105
2036	1,108	29	26	55	1,163
2037	1,166	31	28	58	1,224
2038	1,214	32	29	61	1,275
2039	1,260	33	30	63	1,323
2040	1,306	34	31	65	1,371
2041	1,351	36	32	68	1,419
2042	1,394	37	33	70	1,464
2043	1,437	38	34	72	1,509
2044	1,479	39	35	74	1,553
2045	1,520	40	36	76	1,596
2046	1,561	41	37	78	1,639
2047	1,600	42	38	80	1,680
2048	1,639	43	39	82	1,721
2049	1,677	44	40	84	1,761

Year	Collected LFG	Fugitive CO2	Fugitive Methane	Fugitive LFG	Total LFG
	cfm	cfm	cfm	cfm	cfm
2050	1,715	45	41	86	1,801
2051	1,751	46	41	88	1,839
2052	1,787	47	42	89	1,876
2053	1,822	48	43	91	1,913
2054	1,857	49	44	93	1,950
2055	1,890	50	45	95	1,985
2056	1,923	51	46	96	2,019
2057	1,956	51	46	98	2,054
2058	1,988	52	47	99	2,087
2059	2,019	53	48	101	2,120
2060	2,049	54	49	102	2,151
2061	2,079	55	49	104	2,183
2062	2,109	55	50	105	2,214
2063	2,137	56	52	107	2,244
2064	2,166	57	51	108	2,274
2065	2,193	58	52	110	2,303
2066	2,220	58	53	111	2,331
2067	2,247	59	53	112	2,359
2068	2,273	60	54	114	2,387
2069	2,298	60	54	115	2,413
2070	2,323	61	55	116	2,439
2071	2,327	61	55	116	2,443
2072	2,289	60	54	114	2,403
2073	2,251	59	53	113	2,364
2074	2,215	58	52	111	2,326
2075	2,179	57	52	109	2,288
2076	2,144	56	51	107	2,251
2077	2,110	56	50	105	2,215
2078	2,076	55	49	104	2,180
2079	2,043	54	48	102	2,145
2080	2,011	53	48	101	2,112
2081	1,979	52	47	99	2,078
2082	1,948	51	46	97	2,045
2083	1,918	50	45	96	2,014
2084	1,888	50	45	94	1,982
2085	1,859	49	44	93	1,952
2086	1,830	48	43	92	1,922
2087	1,802	47	43	90	1,892
2088	1,775	47	42	89	1,864

Year	Collected LFG	Fugitive CO2	Fugitive Methane	Fugitive LFG	Total LFG
	cfm	cfm	cfm	cfm	cfm
2089	1,740	46	41	87	1,827
2090	1,705	45	40	85	1,790
2091	1,672	44	40	84	1,756
2092	1,638	43	39	82	1,720
2093	1,606	42	38	80	1,686
2094	1,574	41	37	79	1,653
2095	1,543	41	37	77	1,620
2096	1,513	40	36	76	1,589
2097	1,483	39	35	74	1,557
2098	1,453	38	34	73	1,526
2099	1,424	37	34	71	1,495
2100	1,396	37	33	70	1,466
2101	1,369	36	32	68	1,437
2102	1,341	35	32	67	1,408
2103	1,315	35	31	66	1,381
2104	1,289	34	31	64	1,353
2105	1,263	33	30	63	1,326
2106	1,238	33	29	62	1,300
2107	1,214	32	29	61	1,275
2108	1,190	31	28	59	1,249
2109	1,059	28	25	53	1,112
2110	1,038	27	25	52	1,090
2111	1,018	27	24	51	1,069
2112	998	26	24	50	1,048
2113	978	26	23	49	1,027
2114	959	25	23	48	1,007
2115	940	25	22	47	987
2116	921	24	22	46	967
2117	903	24	21	45	948
2118	885	23	21	44	929
2119	867	23	21	43	910
2120	850	22	20	43	893
2121	833	22	20	42	875
2122	817	21	19	41	858
2123	801	21	19	40	841
2124	785	21	19	39	824
2125	769 754	20	18	38	807
2126	754 720	20	18	38	792 776
2127	739 724	19	18	37	776 760
2128	724	19	17	36	760

Year	Collected LFG	Fugitive CO2	Fugitive Methane	Fugitive LFG	Total LFG
	cfm	cfm	cfm	cfm	cfm
2129	710	19	17	36	746
2130	696	18	16	35	731
2131	682	18	16	34	716
2132	669	18	16	33	702
2133	655	17	16	33	688
2134	643	17	15	32	675
2135	630	17	15	31	661
2136	617	16	15	31	648
2137	605	16	14	30	635
2138	593	16	14	30	623
2139	581	15	14	29	610
2140	570	15	13	28	598
2141	559	15	13	28	587
2142	548	14	13	27	575
2143	537	14	13	27	564
2144	526	14	12	26	552
2145	516	14	12	26	542
2146	505	13	12	25	530
2147	495	13	12	25	520
2148	486	13	12	24	510
2149	476	13	11	24	500
2150	467	12	11	23	490
2151	457	12	11	23	480
2152	448	12	11	22	470
2153	439	12	10	22	461
2154	431	11	10	22	453
2155	422	11	10	21	443
2156	414	11	10	21	435
2157	406	11	10	20	426
2158	398	10	9	20	418
2159	390	10	9	19	409
2160	382	10	9	19	401
2161	374	10	9	19	393

John Smith Road Landfill Greenhouse Gas Emissions

The following analysis was prepared by Civil & Environmental Consultants, Inc. (CEC). The primary purpose of this analysis is to determine the net increase in Greenhouse Gas (GHG) emissions from a proposed landfill expansion at the John Smith Road Landfill. Data (historical and projected annual waste-disposal tonnage, current LFG flow rate, landfill-gas test data, etc.), and for this analysis was provided principally by Lawrence & Associates, Inc. The analysis utilizes existing site data (where available) and employs typical industry values where site data could not be obtained. Reductions in GHG emissions are calculated based on modern methane control methods including processing of landfill gas for beneficial use and flaring of excess gas. Applicable regulations that require landfill gas emission controls are assumed to be implemented throughout the landfill operating period (40 CFR§60 Subpart XXX). Where reported, GHG emissions are stated in terms of GHG equivalents or GHGe, referenced to a baseline carbon dioxide value of 1.0. For this analysis, methane is assigned a Global Warming Potential (GWP) value of 25 consistent with that published in 40 CFR§98 Subpart HH.

Greenhouse Gas (GHGe) emissions for the John Smith Road Landfill (JSRL) were evaluated to define the impact of a proposed landfill expansion to forward looking GHGe emissions. This evaluation necessarily includes a specific delineation of emissions that may be attributed to the existing landfill baseline as well as the emissions specifically attributed to the proposed expansion. Current GHGe emissions associated with the existing landfill are hereinafter referred to as "baseline" emissions, and may be considered as the emission profile for the existing facility in the current operating year as of the Notice of Preparation for the Draft Environmental Impact Report (DEIR) dated February 2021.

Evaluated GHGe emissions were segregated into two broad classes, namely "direct" and "indirect" emissions. Direct emissions generally include all those resulting from generation of landfill gas (LFG) attributed to biological degradation of organic materials deposited within the landfill. Typical components of direct emissions include fugitive LFG (LFG that escapes through the landfill surface), by-products of LFG combustion (typically flare operation) and various slipstreams or residuals associated with processing of LFG for beneficial use.

Indirect emissions are generally categorized as those associated with support or operation of the landfill. Typical examples are waste collection and transport, landfill construction and landfill operation. These are emissions resulting from combustion of fuels not sourced from landfill generated LFG.

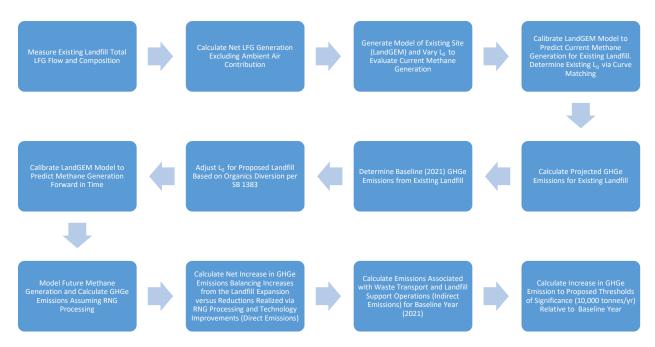
For the purposes of this analysis, operation of an LFG collection system is assumed (as required by Federal landfill regulations, namely 40 CFR§60 Subpart XXX). Furthermore, collected LFG is assumed to be processed for off-site use either as renewable natural gas (RNG), or as a compressed renewable natural gas (CRNG) to be used as vehicle fuel.

A number of critical assumptions are also required for this analysis. These include:

- LFG generated from the existing landfill as well as the proposed expansion will be gathered in a common collection system;
- LFG collection efficiency will be increased through improvements to the LFG collection system;
- Generated LFG is composed of 50% methane and 50% carbon dioxide (CO2) with trace nonmethane organic compounds (NMOC);
- The decay constant ("k") for in-place waste is assumed at 0.02 consistent with arid climates;
- The carbon dioxide component of the LFG is considered biogenic and part of the modern carbon cycle, and thus is not added to GHGe emission totals;

- The Global Warming Potential (GWP) of methane is assigned a value of 25, consistent with current GHG reporting obligations for landfills set forth in 40 CFR§98 Subpart HH;
- The forward-looking gas generating potential of waste received at the landfill will decrease, consistent with current organics diversion requirements set forth in California Senate Bill 1383. A reduction of 30% is assumed in this analysis beginning in 2022. Per 40 CFR§987 Subpart HH, Table HH-1, the estimated degradable organic content (DOC) of mixed municipal waste is 0.31 (fractionwet basis). Food waste is assigned a value of 0.15 (approximately 48% of the total DOC). Assuming SB 1383 is implemented at an effective organics diversion rate of 75%, we may expect an approximate 30% reduction in the DOC of mixed waste, which is expected to reduce L₀ by a similar percentage.

The general process through which GHGe emissions were evaluated is illustrated as follows:



LFG generation was calculated using the U.S. EPA Landfill Gas Emission Model (ver. 3.02) which is also referred to as LandGEM. LandGEM is based on a first-order decomposition rate equation for quantifying emissions from the decomposition of landfilled waste in municipal solid waste (MSW) landfills. Parameters used for this analysis included a combination of recommended LandGEM default values as well as site specific values derived from calibration of the LandGEM model to current measured conditions at the Landfill.

The most critical value associated with LandGEM is the LFG generation potential or " L_0 ". Measured in units of cubic meters per megagram of waste, this value reflects the amount of LFG that can be generated per volume unit of waste disposed in the Landfill. Indirectly, L_0 also measures bioavailable carbon present in waste that can be accessed and digested by methanogenic bacteria during the course of anaerobic digestion, which is the primary mode of waste degradation in modern landfills. It can be logically assumed, that as bioavailable carbon decreases (due to waste composition variance or regulatory policy) the value of L_0 will also decrease in response to this decrease.

The initial phase of this analysis included calibration of the LandGEM Model to currently measured LFG generation. Data from the facility reports indicate a current average (as of August 2021) total LFG flow rate of approximately 625 cubic feet per minute (cfm). Methane content within this LFG was measured at 38%. Assuming LFG is generated with a methane to carbon dioxide ratio of 1:1, this suggests 76% of

the measured flow rate is LFG, with the balance (24%) comprised ambient air drawn into the LFG collection system. Assuming 50% of the LFG is methane and 76% of the flow is LFG, the landfill produces approximately 3,250,000 cubic meters of methane per year. This volume of methane can be compared to the modeled LFG generation rate assuming various values of L_0 as shown on the following figure. Based on an evaluation of the current LFG system and waste-cover types, approximately 80% of the LFG is currently collected and flared and the remainder escapes through the landfill surface via fugitive emissions. These are current conditions and the associated direct emissions of GHGe from the "baseline" condition under California Environmental Quality Act (CEQA).

To provide a means of modeling the future LFG generation for the proposed project, the LandGEM model was evaluated at various L_0 from values ranging from 100 to 40 cubic meters per megagram to determine the L_0 that best fits the current LFG generation rate. Based on data presented above, assuming a current L_0 of 60, model data correlates very well with measured methane generation data thus suggesting an actual L_0 in this range. Graphically, the calibration data is presented as Figure 1:

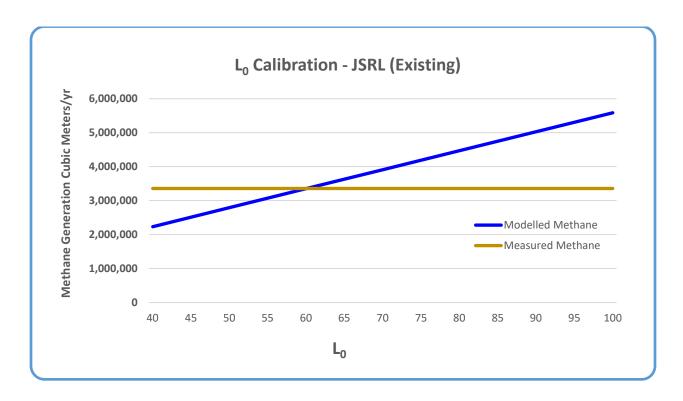


Figure 1

California Senate Bill 1383 mandates reduction in organics directed to landfills for disposal by 50% of 2014 levels by 2020 and 75% by 2025. While the actual percentage reduction may vary by region within the State, a reduction of 30% in L_0 is a reasonable assumption given the reduction of bioavailable carbon due to diversion or organics such as food wastes. Given this assumption, model data for the proposed landfill expansion assumed a reduction in L_0 to 40 cubic meters per megagram from the current calibrated value of 60 cubic meters per megagram.

Total modelled methane generation for the existing and future waste is illustrated in Figure 2. As shown, peak methane generation is generally correlated to the year of closure for a given facility, at which time

no "new" or additional carbon is admitted to the system.¹ Figure 2 also illustrates the "baseline" methane generation from the existing landfill that will also be an important in the following narrative. Numerically, this baseline methane generation is estimated (by model) for calendar year 2021 at approximately 2,230 tonnes per year.

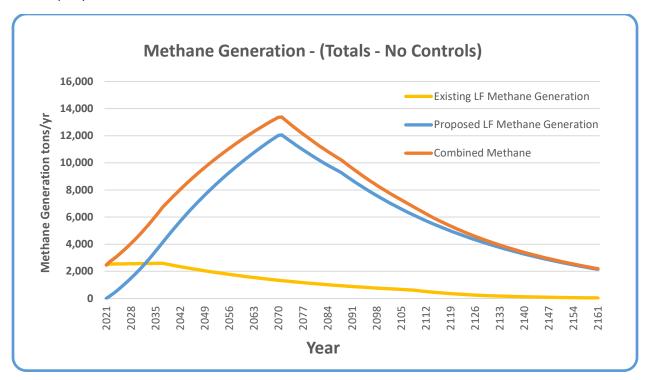


Figure 2

Modern methane or LFG control systems are quite effective and have demonstrated collection efficiencies of 75% or more. Although evaluation of methane emissions for the purposes of CEQA review are based on a "life-cycle" analysis (and include direct as well as indirect GHGe emissions), analysis of "landfill-only" emissions reveal that through application of conventional LFG controls, generated methane may be effectively captured and processed as a renewable resource. Figure 3 illustrates the impact of conventional controls. This graph illustrates the amount of methane proposed to be captured and thus made available for use as a renewable energy source.

¹ In the case of the JSRL, the waste acceptance rate would drop from an average of 2,123 tons per day to approximately 240 tons per day in approximately 2070 and the LFG generation rate would start decreasing in 2071.

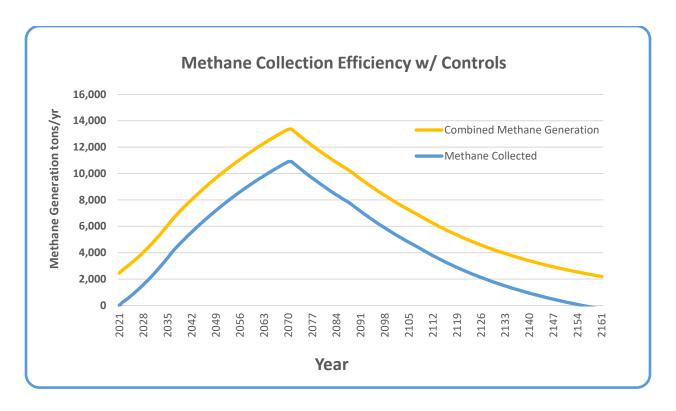


Figure 3

Proceeding to Figure 4, again looking at the landfill only, we can see that if collected methane is then processed for renewable energy use (and therefore not simply combusted as a waste gas on the landfill site), very significant reductions in site specific GHGe emission can be obtained. This use of methane as an energy source can (and often does) displace fossil fuel use for other indirect uses. Figure 4 illustrates (for the landfill only) the amount of methane generated versus the amount emitted following collection and processing of LFG for renewable energy use (note that values illustrated are "total" values, and do not discount baseline landfill emissions).

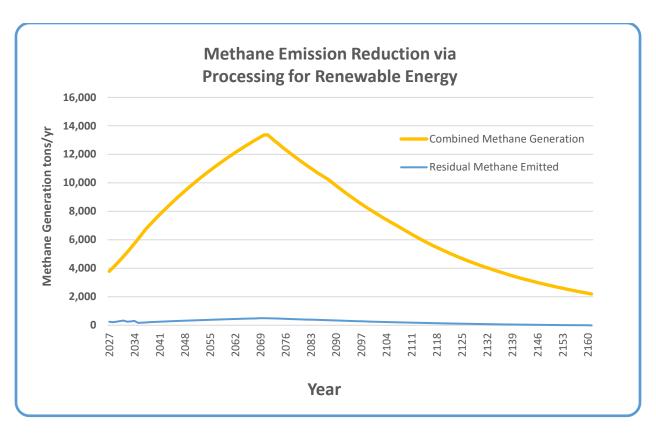


Figure 4

Proceeding to the more specific requirements of the Draft Environmental Impact Report (DEIR), we understand that the Monterey Bay Air Resources District (MBARD) does not have a GHGe threshold of significance established by regulation. Therefore, for the purposes of this analysis, the threshold established is based on operating practices, and more specifically, best operating practices to reduce sitewide GHGe emissions.

In addition, typical assessment protocol involves a life cycle analysis that not only includes emissions from the proposed source (in this case the waste disposed in the landfill), but also indirect emissions supporting that source. These may include vehicular traffic, power consumption, water consumption, waste disposal etc. etc. Finally, the prior DEIR protocol for GHGe emission analysis included establishment of a "baseline" from which emission increases (or decreases) will be quantified. As previously indicated, landfill emissions as of February 2021 have been assigned as this baseline, with future emissions compared against this value to determine "net" projected changes.

To identify the level of control realized at the landfill, both direct (landfill) and indirect (landfill support) emissions were calculated, projected into future years and summed to allow comparison with the baseline emission rate. As all future emissions are compared to a 2021 baseline, it is possible that future emissions may be either a positive value (increase) or a negative value (decrease). For example, if current use of diesel engines transforms to use of a lower carbon intensity fuel (or powerplant) in the future (a reasonable and expected assumption), indirect emissions may decrease relative to the 2021 baseline. Similarly, at the landfill, as methane collection increases from 80% (as estimated in 2021) to 95% (as projected in 2035) the increase in methane generation realized through the increase in biodegrade carbon volume (i.e., waste receipt) can be offset to some degree by increasing the amount methane collected and processed for use.

Indirect emissions for both the baseline year and future projections were obtained via data summarized in Attachment U to Appendix B of the DEIR. These data were developed by and obtained from Lawrence & Associates and added to the direct landfill emissions estimated via modeling by CEC.

The combination of direct and indirect emissions, per year, were then tabulated to calculate the potential increase in GHGe emissions relative to the established baseline. Key data used in this tabulation are presented in Table 1.

Table 1

Value	Unit	Parameter
80 to 95	%	Landfill Gas Collection Efficiency Range
92	%	RNG Plant Processing Efficiency
2027	yr	RNG Plant Startup
10	%	Fugitive Methane Oxidation
25	Unit	Methane GWP
117	lb/MMBtu	CO2 Emission Rate for Methane Combustion
23,811	Btu/lb	Btu/lb Methane
625	cfm	Current Measured Total LFG Flare Flow
17.698	meters ³ /min	Current Measured Total LFG Flare Flow
9,302,069	meters ³ /yr	Current Measured Total LFG Flare Flow
38	%	Current Measured Methane Fraction
3,534,786	meters ³ /yr	Current Measured Methane Generation
3,349,564	meters ³ /yr	Modelled Current Methane Generation
16.04	MW	Molecular Weight of CH₄
44.01	MW	Molecular Weight of CO ₂
2.744	ratio	CH4 to CO2 MW Ratio via Combustion
1,020	Btu/scf	Methane Heat Content

Net GHGe emissions resulting from this tabulation are presented graphically in Figure 5. As shown, the net increase in emissions is held at or below 20,000 tonnes per year. Tabulated data is presented as an Attachment. Figure 5 assumes the following control measures or best management practices (BMPs) are implemented according to the following general timeline:

- 1. Installation of an RNG facility in 2027.
- 2. Operation of the RNG facility at an average processing efficiency of 92%
- 3. On-site flaring of all RNG residuals (slipstreams, purge gases, etc.)
- 4. Operation of the landfill's gas collection and control systems to exceed applicable regulatory emission control protocol (40 CFR§60 Subpart XXX) beginning in 2029 (such as adding more wells than the rule requires, thicker cover, etc.).
- 5. Increases in LFG collection efficiency will be implemented from 80% (2021) to 95% (2035) to maximize RNG processing and methane beneficial use.
- 6. Methane generation projections will be updated at 5-year intervals to periodically assess effectiveness of BMPs and modeling assumptions.
- 7. Implementation of low emission vehicle use consistent with anticipated technology and regulatory trends (primarily beginning in 2045).

- 8. Maximization of methane collection through the expected year of peak gas yield (2071) after which the landfill accepts only in-County with an accompanying decrease in LFG generation rate.
- 9. Between 2071 and approximately 2085, reduce of out-of-County trips (reduce landfill gate receipts) thereby reducing vehicle emissions below baseline (2021) levels.
- 10. After 2085: The landfill ceases accepting waste, traffic is negligible, the landfill is closed, and the LFG generation rate continues a predicted decline.

These control efforts and/or BMPs may be implemented in any order to mitigate life-cycle GHGe emissions. Alternatively, carbon credits could be purchased to more economically address GHGe emissions either in combination with other BMPs or alone. Figure 6 illustrates the significant reduction in potential landfill GHGe emissions projected through implementation of the proposed BMPs.

Because LFG generation will vary with the rate of waste placement, and organic content, we recommended reassessing GHGe generation and updating the plan for compliance starting with approval of the expansion permit and end every five years thereafter concurrent with review of the Title V operating permit for the LFG system.

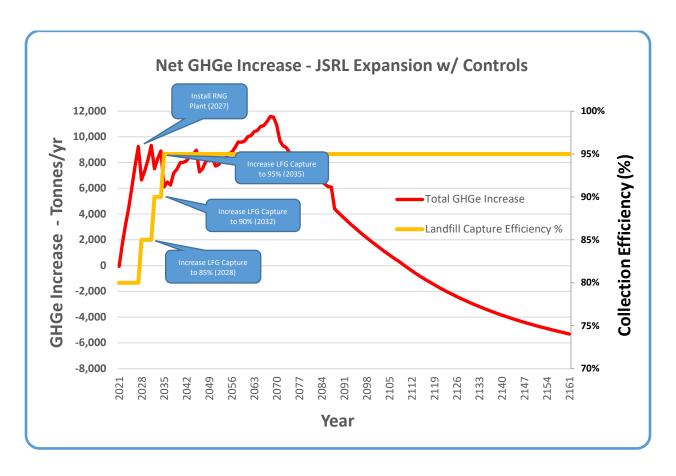


Figure 5

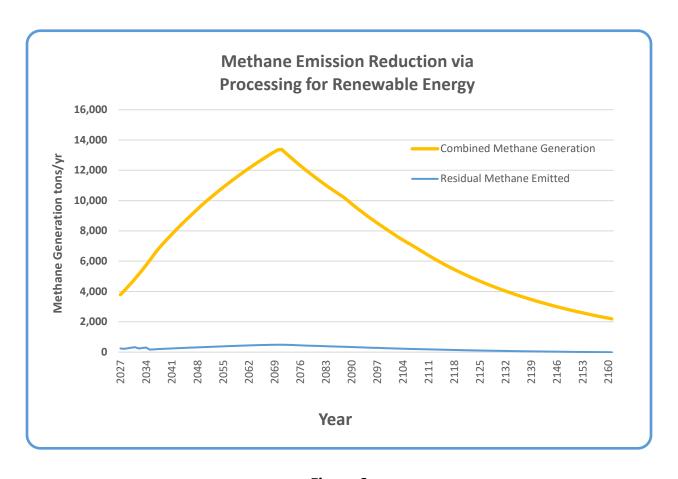


Figure 6

			Landfill Methane E		Combined Landfill	Combined	Net Methane	Landfill		itive Emissions	Fugiitve	Net Fugitive
Year	Existing Landfill Gate	Proposed Landfill Gate	Existing Landfill Methane Emissions	Methane Emissions	Methane Emissions	Landfill Methane	Increase Due to Expansion	Capture Efficiency	Fugitive Methane	Soil Cover Oxidation	Methane Oxidized	Methane Emitted
2021	Short tons/yr 151,138	Short tons/yr 333,203	Short tons/yr 2,458	Short tons/yr	Tonnes/yr 2,230	Short tons/yr 2,458	Short tons/yr	% 80%	Short tons/yr	% 10%	Short tons/yr	Short tons/yr
2022	69,312 69,312	362,080 390,958	2,529 2,534	176 364	2,454 2,630	2,706 2,899	247 440	80% 80%	49 88	10%	5	45 79
2024	69,312	419,835	2,539	564	2,815	3,103	645	80%	129	10%	13	116
2025	69,312 69,312	448,713 477,591	2,544 2,548	775 997	3,011 3,216	3,319 3,545	860 1,087	80%	172 217	10%	17 22	155 196
2027 2028	69,312 69,312	506,468 535,346	2,553 2,557	1,230 1,473	3,432 3,656	3,783 4,031	1,324 1,572	80% 85%	265 236	10% 10%	26 24	238 212
2029 2030	69,312 69,312	564,223 593,101	2,562 2,566	1,727 1,991	3,891 4,134	4,289 4,557	1,831 2,099	85% 85%	275 315	10% 10%	27 31	247 283
2031	69,312	621,978	2,570	2,266	4,387	4,836	2,378	85%	357	10%	36 27	321
2032 2033	69,312 69,312	650,856 679,734	2,574 2,578	2,550 2,844	4,649 4,919	5,124 5,422	2,666 2,964	90% 90%	267 296	10% 10%	30	240 267
2034	69,312 69,312	708,611 737,489	2,582 2,586	3,147 3,459	5,197 5,484	5,729 6,045	3,271 3,587	90% 95%	327 179	10% 10%	33 18	294 161
2036 2037	69,312 0	766,366 766,366	2,590 2,594	3,781 4,111	5,780 6,083	6,371 6,705	3,913 4,247	95% 95%	196 212	10% 10%	20 21	176 191
2038	0	766,366	2,542	4,435	6,330 6,572	6,978	4,520	95%	226	10%	23	203
2040	0	766,366 766,366	2,492	4,753 5,064	6,810	7,245	4,787 5,049	95% 95%	239 252	10%	24 25	215 227
2041 2042	0	766,366 766,366	2,394 2,347	5,369 5,668	7,043 7,271	7,763 8,015	5,305 5,557	95% 95%	265 278	10% 10%	27 28	239 250
2043 2044	0	766,366 766,366	2,300 2,255	5,961 6,249	7,495 7,714	8,262 8,504	5,804 6,045	95% 95%	290 302	10% 10%	29 30	261 272
2045 2046	0	766,366 766,366	2,210 2,166	6,530 6,806	7,929 8,140	8,741 8,973	6,282 6,515	95% 95%	314 326	10% 10%	31 33	283 293
2047 2048	0	766,366 766,366	2,123 2,081	7,077 7,342	8,347 8,549	9,201 9,424	6,742 6,966	95% 95%	337 348	10% 10%	34 35	303 313
2049	0	766,366	2,040	7,602	8,748	9,642	7,184	95%	359	10%	36	323
2050 2051	0	766,366 766,366	2,000 1,960	7,857 8,107	8,942 9,133	9,857 10,067	7,399 7,609	95% 95%	370 380	10% 10%	37 38	333 342
2052 2053	0	766,366 766,366	1,921 1,883	8,352 8,592	9,320 9,503	10,273 10,475	7,815 8,017	95% 95%	391 401	10% 10%	39 40	352 361
2054 2055	0	766,366 766,366	1,846 1,810	8,827 9,058	9,682 9,858	10,673 10,867	8,215 8,409	95% 95%	411 420	10% 10%	41 42	370 378
2056 2057	0	766,366 766,366	1,774 1,739	9,284 9,505	10,031 10,200	11,057 11,244	8,599 8,786	95% 95%	430 439	10%	43	387 395
2058	0	766,366	1,704	9,722	10,366	11,426	8,968	95%	448	10%	45	404
2059	0	766,366 766,366	1,670 1,637	9,935	10,528 10,688	11,605 11,781	9,147 9,323	95% 95%	457 466	10%	46 47	412 420
2061 2062	0	766,366 766,366	1,605 1,573	10,348 10,549	10,844 10,997	11,953 12,122	9,495 9,664	95% 95%	475 483	10% 10%	47 48	427 435
2063 2064	0	766,366 766,366	1,542 1,511	10,745 10,938	11,147 11,294	12,287 12,449	9,829 9,991	95% 95%	491 500	10% 10%	49 50	442 450
2065 2066	0	766,366 766,366	1,481 1,452	11,127 11,312	11,438 11,579	12,608 12,764	10,150 10,306	95% 95%	507 515	10% 10%	51 52	457 464
2067	0	766,366	1,423	11,493	11,718	12,916	10,458	95%	523	10%	52	471
2068	0	766,366 766,366	1,395 1,368	11,671 11,845	11,853 11,986	13,066 13,213	10,608 10,755	95% 95%	530 538	10%	53 54	477 484
2070 2071	0	536,456 86,814	1,341 1,314	12,016 12,062	12,117 12,134	13,356 13,376	10,898 10,918	95% 95%	545 546	10% 10%	54 55	490 491
2072	0	87,035 87,256	1,288 1,262	11,869 11,680	11,936 11,741	13,157 12,942	10,699 10,484	95% 95%	535 524	10% 10%	53 52	481 472
2074 2075	0	87,478 87,700	1,237 1,213	11,495 11,313	11,550 11,364	12,732 12,526	10,274 10,068	95% 95%	514 503	10% 10%	51 50	462 453
2076 2077	0	87,923 88,146	1,189 1,165	11,136 10,962	11,181 11,002	12,325 12,127	9,867 9,669	95% 95%	493 483	10% 10%	49 48	444 435
2078	0	88,370	1,142	10,791	10,826	11,934	9,475	95%	474	10%	47	426
2079 2080	0	88,594 88,819	1,120 1,098	10,624 10,461	10,654 10,486	11,744 11,558	9,286 9,100	95% 95%	464 455	10% 10%	46 46	418 410
2081 2082	0	89,045 89,271	1,076 1,054	10,301 10,144	10,321 10,159	11,376 11,198	8,918 8,740	95% 95%	446 437	10% 10%	45 44	401 393
2083 2084	0	89,498 89,725	1,034 1,013	9,990 9,840	10,001 9,846	11,024 10,853	8,566 8,395	95% 95%	428 420	10% 10%	43 42	385 378
2085 2086	0	89,953 90,182	993 973	9,692 9,548	9,694 9,545	10,685 10,521	8,227 8,063	95% 95%	411 403	10% 10%	41 40	370 363
2087	0	90,411	954	9,407	9,399	10,361	7,903	95%	395	10%	40	356
2088 2089	0	0	935 917	9,268 9,085	9,256 9,073	10,203 10,001	7,745 7,543	95% 95%	387 377	10% 10%	39 38	349 339
2090 2091	0	0	899 881	8,905 8,728	8,893 8,717	9,803 9,609	7,345 7,151	95% 95%	367 358	10% 10%	37 36	331 322
2092 2093	0	0	863 846	8,556 8,386	8,545 8,376	9,419 9,232	6,961 6,774	95% 95%	348 339	10% 10%	35 34	313 305
2094 2095	0	0	829 813	8,220 8,057	8,210 8,047	9,050 8,870	6,591 6,412	95% 95%	330 321	10% 10%	33 32	297 289
2096 2097	0	0	797 781	7,898 7,741	7,888 7,732	8,695 8,523	6,237 6,064	95% 95%	312 303	10%	31 30	281 273
2098	0	0	766	7,588	7,578	8,354	5,896	95%	295	10%	29	265
2099 2100	0	0	751 736	7,438 7,291	7,428 7,281	8,188 8,026	5,730 5,568	95% 95%	287 278	10% 10%	29 28	258 251
2101 2102	0	0	721 707	7,146 7,005	7,137 6,996	7,867 7,712	5,409 5,253	95% 95%	270 263	10% 10%	27 26	243 236
2103 2104	0	0	693 679	6,866 6,730	6,857 6,722	7,559 7,409	5,101 4,951	95% 95%	255 248	10% 10%	26 25	230 223
2105 2106	0	0	666 652	6,597 6,466	6,588 6,458	7,262 7,119	4,804 4,661	95% 95%	240 233	10% 10%	24 23	216 210
2107 2108	0	0	640 627	6,338 6,213	6,330 6,205	6,978 6,840	4,520 4,381	95% 95%	226 219	10% 10%	23 22	203 197
2109 2110	0	0	596 566	6,090 5,969	6,065 5,928	6,685 6,535	4,227 4,077	95% 95%	211 211 204	10%	21 20	190 183
2111	0	0	537	5,851	5,795	6,388	3,930	95%	197	10%	20	177
2112	0	0	511 485	5,735 5,621	5,666 5,540	6,246 6,107	3,787 3,648	95% 95%	189 182	10%	19 18	170 164
2114 2115	0	0	461 438	5,510 5,401	5,417 5,297	5,971 5,839	3,513 3,381	95% 95%	176 169	10% 10%	18 17	158 152
2116 2117	0	0	416 395	5,294 5,189	5,180 5,066	5,710 5,584	3,252 3,126	95% 95%	163 156	10% 10%	16 16	146 141
2118 2119	0	0	375 357	5,086 4,986	4,955 4,846	5,462 5,342	3,004 2,884	95% 95%	150 144	10% 10%	15 14	135 130
2120 2121	0	0	339 322	4,887 4,790	4,741 4,638	5,226 5,112	2,768 2,654	95% 95%	138 133	10% 10%	14 13	125 119
2122	0	0	306 290	4,695	4,537	5,001	2,543	95%	127 122	10%	13	114 110
2123	0	0	276	4,602 4,511	4,439 4,343	4,893 4,787	2,435 2,329	95% 95%	116	10%	12	105
2125 2126	0	0	262 249	4,422 4,334	4,249 4,158	4,684 4,583	2,226 2,125	95% 95%	111 106	10% 10%	11 11	100 96
2127 2128	0	0	237 225	4,249 4,164	4,069 3,982	4,485 4,389	2,027 1,931	95% 95%	101 97	10% 10%	10 10	91 87
2129 2130	0	0	214 203	4,082 4,001	3,897 3,814	4,295 4,204	1,837 1,746	95% 95%	92 87	10% 10%	9	83 79
2131 2132	0	0	193 183	3,922 3,844	3,733 3,654	4,115 4,027	1,656 1,569	95% 95%	83 78	10%	8	75 71
2133	0	0	174	3,768	3,576	3,942	1,484	95%	74	10%	7	67
2134	0	0	165 157	3,694 3,620	3,501 3,427	3,859 3,777	1,401 1,319	95% 95%	70 66	10%	7	63 59
2136 2137	0	0	149 142	3,549 3,478	3,355 3,284	3,698 3,620	1,240 1,162	95% 95%	62 58	10% 10%	6 6	56 52
2138 2139	0	0	135 128	3,410 3,342	3,215 3,148	3,544 3,470	1,086 1,012	95% 95%	54 51	10% 10%	5 5	49 46
2140 2141	0	0	121 115	3,276 3,211	3,082 3,018	3,397 3,326	939 868	95% 95%	47 43	10% 10%	5	42 39
2142 2143	0	0	110 104	3,147 3,085	2,955 2,893	3,257 3,189	799 731	95% 95%	40	10% 10%	4	36 33
2144	0	0	99	3,024	2,833	3,123	665	95%	33	10%	3	30
2145 2146	0	0	94 89	2,964 2,905	2,774 2,717	3,058 2,995	600 537	95% 95%	30 27	10% 10%	3	27 24
2147 2148	0	0	85 81	2,848 2,792	2,661 2,606	2,933 2,872	475 414	95% 95%	24 21	10% 10%	2	21 19
2149 2150	0	0	77 73	2,736 2,682	2,552 2,499	2,813 2,755	355 297	95% 95%	18 15	10% 10%	2	16 13
2151	0	0	69	2,629	2,448	2,698	240	95%	12	10%	1	11
2152 2153	0	0	66	2,577 2,526	2,397 2,348	2,643 2,588	184 130	95% 95%	9 7	10%	1	6
2154 2155	0	0	59 56	2,476 2,427	2,300 2,253	2,535 2,483	77 25	95% 95%	4 1	10% 10%	0	3 1
2156	0	0	53 51	2,379 2,332	2,206 2,161	2,432 2,382	-26 -76	95% 95%	-1 -4	10% 10%	0	-1 -3
2157		0						95%	-6			-6
2157 2158 2159	0	0	48 46	2,285 2,240	2,117 2,074	2,334 2,286	-124 -172	95%	-9	10% 10%	-1 -1	-6 -8

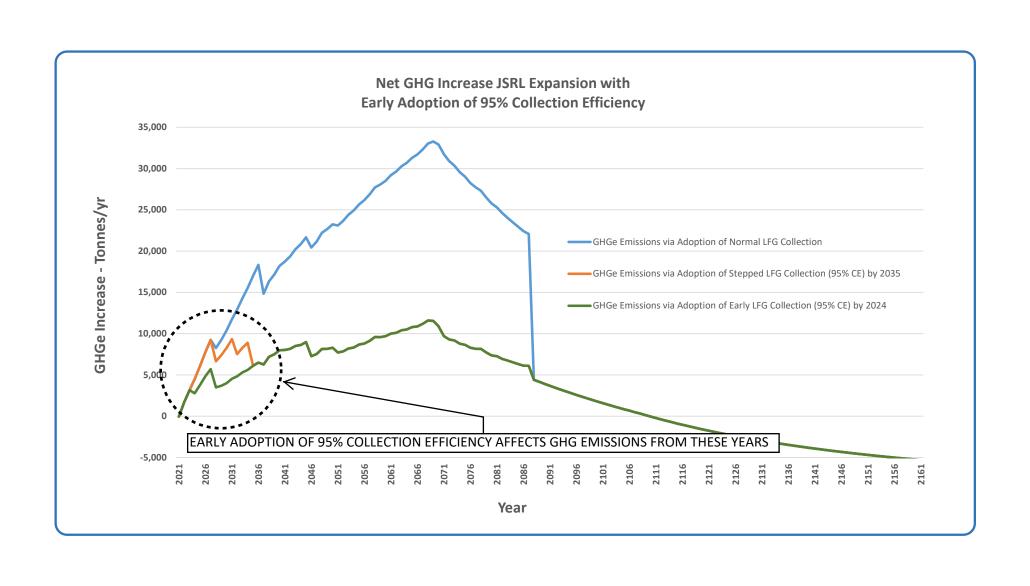
	Landfill	Soil Cover	Generated Methane (Existing	Air Toxics Emiss	Collected	Collected LFG	Fugitive CO2	Fugitive Methane	Fugitive LFG
Year	Capture Efficiency	Oxidation	Methane (Existing Landfill)	(Proposed Landfill)	Methane (Total)	(Total)	(Total)	(Total)	(Total)
2021	80%	10%	meters ³ /yr 3,349,564	meters³/yr 0	meters ³ /yr 2,679,651	cfm 360	cfm 45	cfm 41	cfm 86
2022	80%	10%	3,446,642 3,453,331	240,162 496,383	2,949,443 3,159,771	396 425	50 53	45 48	94 101
2024 2025	80% 80%	10% 10%	3,459,887 3,466,313	768,344 1,055,734	3,382,584 3,617,638	455 486	57 61	51 55	108 115
2026 2027	80% 80%	10% 10%	3,472,613 3,478,787	1,358,247 1,675,584	3,864,688 4,123,497	519 554	65 69	58 62	123 132
2028 2029	85% 85%	10% 10%	3,484,839 3,490,772	2,007,451 2,353,562	4,668,447 4,967,683	627 668	55 59	50 53	105 112
2030 2031	85% 85%	10% 10%	3,496,586 3,502,286	2,713,632 3,087,387	5,278,686 5,601,222	709 753	63 66	56 60	119 126
2032	90% 90%	10% 10%	3,507,873 3,513,349	3,474,555 3,874,871	6,284,185 6,649,398	844 894	47 50	42 45	89 94
2034	90%	10%	3,518,717	4,288,074	7,026,112	944	52	47	100
2035 2036	95% 95%	10% 10%	3,523,979 3,529,136	4,713,909 5,152,126	7,825,993 8,247,199	1,052 1,108	28 29	25 26	53 55
2037 2038	95% 95%	10% 10%	3,534,191 3,464,210	5,602,480 6,043,916	8,679,837 9,032,719	1,166 1,214	31 32	28 29	58 61
2039 2040	95% 95%	10% 10%	3,395,614 3,328,376	6,476,611 6,900,738	9,378,613 9,717,658	1,260 1,306	33 34	30 31	63 65
2041 2042	95% 95%	10% 10%	3,262,470 3,197,869	7,316,467 7,723,964	10,049,990 10,375,741	1,351 1,394	36 37	32 33	68 70
2043 2044	95% 95%	10% 10%	3,134,546 3,072,478	8,123,392 8,514,910	10,695,041 11,008,019	1,437 1,479	38 39	34 35	72 74
2045 2046	95% 95%	10% 10%	3,011,639 2,952,005	8,898,676 9,274,843	11,314,800 11,615,506	1,520 1,561	40 41	36 37	76 78
2047 2048	95% 95%	10% 10%	2,893,551 2,836,255	9,643,562 10,004,979	11,910,257 12,199,172	1,600 1,639	42 43	38 39	80 82
2049 2050	95% 95%	10%	2,780,093 2,725,044	10,359,240 10,706,486	12,482,367 12,759,953	1,677 1,715	44	40 41	84 86
2051 2052	95% 95%	10%	2,671,084	11,046,856	13,032,043	1,751	46 47	41 42	88 89
2053	95%	10%	2,618,193 2,566,350	11,380,486 11,707,510	13,298,746 13,560,167	1,787 1,822	48	43	91
2054	95% 95%	10%	2,515,532 2,465,722	12,028,059 12,342,260	13,816,411 14,067,582	1,857 1,890	49 50	44	93 95
2056	95% 95%	10%	2,416,897 2,369,039	12,650,239 12,952,120	14,313,779 14,555,102	1,923 1,956	51 51	46 46	96 98
2058	95% 95%	10%	2,322,129 2,276,148	13,248,024 13,538,068	14,791,645 15,023,505	1,988 2,019	52 53	47	99 101
2060 2061	95% 95%	10%	2,231,077 2,186,899	13,822,369 14,101,040	15,250,774 15,473,542	2,049 2,079	54 55	49 49	102 104
2062 2063	95% 95%	10% 10%	2,143,595 2,101,149	14,374,194 14,641,938	15,691,900 15,905,933	2,109 2,137	55 56	50 51	105 107
2064 2065	95% 95%	10% 10%	2,059,544 2,018,762	14,904,381 15,161,627	16,115,729 16,321,370	2,166 2,193	57 58	51 52	108 110
2066 2067	95% 95%	10% 10%	1,978,788 1,939,605	15,413,780 15,660,939	16,522,939 16,720,517	2,220 2,247	58 59	53 53	111 112
2068 2069	95% 95%	10%	1,901,199 1,863,552	15,903,204 16,140,672	16,914,183 17,104,013	2,273	60 60	54 54	114 115
2070 2071	95% 95%	10%	1,826,651 1,790,481	16,373,438 16,435,883	17,290,085 17,315,046	2,323 2,327	61 61	55 55	116 116
2072	95% 95%	10%	1,755,027 1,720,276	16,173,004 15,915,489	17,031,630 16,753,977	2,289 2,251	60 59	54 53	114 113
2074 2075	95% 95%	10%	1,686,212 1,652,823	15,663,233 15,416,131	16,481,972 16,215,506	2,215 2,179	58 57	52 52	111 109
2076	95%	10%	1,620,095	15,174,083	15,954,468	2,144	56	51	107
2077	95% 95%	10%	1,588,015 1,556,570	14,936,988 14,704,748	15,698,752 15,448,252	2,110 2,076	56 55	50 49	105 104
2079 2080	95% 95%	10% 10%	1,525,748 1,495,536	14,477,269 14,254,456	15,202,866 14,962,492	2,043 2,011	54 53	48 48	102 101
2081 2082	95% 95%	10% 10%	1,465,922 1,436,895	14,036,217 13,822,462	14,727,032 14,496,389	1,979 1,948	52 51	47 46	99 97
2083 2084	95% 95%	10% 10%	1,408,443 1,380,553	13,613,103 13,408,052	14,270,468 14,049,176	1,918 1,888	50 50	45 45	96 94
2085 2086	95% 95%	10% 10%	1,353,217 1,326,421	13,207,226 13,010,541	13,832,421 13,620,114	1,859 1,830	49 48	44	93 92
2087 2088	95% 95%	10% 10%	1,300,156 1,274,411	12,817,915 12,629,269	13,412,168 13,208,496	1,802 1,775	47 47	43 42	90 89
2089 2090	95% 95%	10% 10%	1,249,176 1,224,441	12,379,192 12,134,068	12,946,950 12,690,584	1,740 1,705	46 45	41	87 85
2091 2092	95% 95%	10%	1,200,196 1,176,430	11,893,797 11,658,284	12,439,293 12,192,979	1,672 1,638	44	40	84 82
2093 2094	95% 95%	10%	1,153,135 1,130,302	11,427,435 11,201,156	11,951,541 11,714,885	1,606 1,574	42	38 37	80 79
2095 2096	95% 95%	10%	1,107,920	10,979,359	11,482,915	1,543	41 40	37	77
2097	95%	10%	1,085,982 1,064,478	10,761,953 10,548,852	11,255,538	1,513 1,483	39	36 35	76 74
2098	95% 95%	10%	1,043,400 1,022,739	10,339,971 10,135,225	10,814,202 10,600,066	1,453 1,424	38 37	34	73 71
2100 2101	95% 95%	10% 10%	1,002,488 982,637	9,934,535 9,737,818	10,390,171 10,184,432	1,396 1,369	37 36	33 32	70 68
2102 2103	95% 95%	10% 10%	963,179 944,107	9,544,996 9,355,992	9,982,767 9,785,095	1,341 1,315	35 35	32 31	67 66
2104 2105	95% 95%	10% 10%	925,413 907,088	9,170,731 8,989,139	9,591,337 9,401,416	1,289 1,263	34 33	31 30	64 63
2106 2107	95% 95%	10% 10%	889,127 871,521	8,811,142 8,636,669	9,215,255 9,032,781	1,238 1,214	33 32	29 29	62 61
2108 2109	95% 95%	10% 10%	854,264 0	8,465,652 8,298,021	8,853,920 7,883,120	1,190 1,059	31 28	28 25	59 53
2110 2111	95% 95%	10% 10%	0	8,133,709 7,972,651	7,727,023 7,574,018	1,038 1,018	27 27	25 24	52 51
2112 2113	95% 95%	10% 10%	0	7,814,782 7,660,039	7,424,043 7,277,037	998 978	26 26	24 23	50 49
2114 2115	95% 95%	10%	0	7,508,360 7,359,684	7,132,942 6,991,700	959 940	25 25	23	48
2116 2117	95% 95%	10%	0	7,213,953 7,071,107	6,853,255 6,717,552	921 903	24	22	46 45
2118 2119	95% 95%	10%	0	6,931,090 6,793,845	6,584,535 6,454,153	885 867	23	21 21	44
2120 2121	95% 95%	10%	0	6,659,318 6,527,454	6,326,352 6,201,082	850 833	22	20 20	43 42
2121 2122 2123	95% 95% 95%	10% 10% 10%	0	6,398,202	6,078,292 5,957,934	817 801	21 21	19 19	42 41 40
2124	95%	10%	0	6,271,509 6,147,325	5,839,959	785	21	19	39
2125 2126	95% 95%	10% 10%	0	6,025,600 5,906,285	5,724,320 5,610,971	769 754	20	18 18	38 38
2127	95% 95%	10%	0	5,789,333 5,674,696	5,499,866 5,390,961	739 724	19 19	18 17	37 36
2129 2130	95% 95%	10%	0	5,562,330 5,452,188	5,284,213 5,179,579	710 696	19	17 16	36 35
2131 2132	95% 95%	10%	0	5,344,228 5,238,405	5,077,016 4,976,485	682 669	18 18	16 16	34 33
2133 2134	95% 95%	10% 10%	0	5,134,677 5,033,004	4,877,944 4,781,354	655 643	17 17	16 15	33 32
2135 2136	95% 95%	10% 10%	0	4,933,344 4,835,657	4,686,677 4,593,874	630 617	17 16	15 15	31 31
2137 2138	95% 95%	10% 10%	0	4,739,905 4,646,048	4,502,909 4,413,746	605 593	16 16	14 14	30 30
2139 2140	95% 95%	10% 10%	0	4,554,050 4,463,874	4,326,348 4,240,680	581 570	15 15	14 13	29 28
2141 2142	95% 95%	10%	0	4,375,483 4,288,843	4,156,709 4,074,401	559 548	15 14	13	28
2143 2144	95% 95%	10%	0	4,203,918 4,120,675	3,993,722 3,914,641	537 526	14	13	27 26
2144 2145 2146	95% 95% 95%	10%	0	4,039,080	3,914,641 3,837,126 3,761,146	526 516 505	14 14 13	12 12 12	26 26 25
2147	95%	10%	0	3,959,101 3,880,706	3,686,670	495	13	12	25
2148	95% 95%	10%	0	3,803,863 3,728,541	3,613,669 3,542,114	486 476	13	12 11	24
2150 2151	95% 95%	10%	0	3,654,711 3,582,343	3,471,975 3,403,226	467 457	12	11 11	23
2152 2153	95% 95%	10% 10%	0	3,511,408 3,441,877	3,335,837 3,269,783	448 439	12 12	11 10	22 22
2154 2155	95% 95%	10% 10%	0	3,373,723 3,306,919	3,205,037 3,141,573	431 422	11 11	10 10	22 21
2156 2157	95% 95%	10%	0	3,241,438 3,177,253	3,079,366 3,018,390	414 406	11	10 10	21
2158 2159	95% 95%	10%	0	3,114,339 3,052,671	2,958,622 2,900,038	398 390	10	9	20 19
2160	95% 95%	10%	0	2,992,224 2,932,974	2,842,613 2,786,326	382 374	10 10	9	19 19

	Collected	Collected	Collected	GHGe RNG Plant	Gas Processing Pl Methane	ant Emissions RNG Plant	RNG Plant	RNG Plant	Landfill	
Year	Methane to RNG Plant	Methane to RNG Plant	Methane to RNG Plant	Methane Processing Eff.	Diverted by RNG Plant	Methane Combusted	Power Consumed	Supplied Power	Baseline Supplied Power	RNG Plant CO2 Emissions
2021	% 0%	Short tons/yr	cfm 0	% 92%	Short tons/yr	Short tons/yr	Mwh/yr 0	tonnes/yr 0.00	tonnes/yr 0.53	Short tons/yr
2022 2023	0% 0%	0	0	92% 92%	0	0	0	0.00	0.53 0.53	0
2024 2025	0% 0%	0	0	92% 92%	0	0	0	0.00	0.53 0.53	0
2026 2027	0% 0%	0	0	92% 92%	0	0	0	0.00	0.53 0.53	0
2028	100%	1,337	627	92%	1,230	107	3,708	4.51	0.53	293
2029	100%	1,556	668	92%	1,432	124	3,945	4.80	0.53	342
2030	100%	1,784	709	92%	1,642	143	4,192	5.10	0.53	392
2031	100%	2,021	753	92%	1,859	162	4,448	5.41	0.53	444
2032	100%	2,399	844	92%	2,207	192	4,991	6.07	0.53	527
2033	100%	2,667	894	92%	2,454	213	5,281	6.42	0.53	586
2034	100%	2,944	944	92%	2,708	236	5,580	6.78	0.53	646
2035	100%	3,408	1,052	92%	3,135	273	6,215	7.56	0.53	748
2036	100%	3,717	1,108	92%	3,420	297	6,550	7.96	0.53	816
2037	100%	4,035	1,166	92%	3,712	323	6,893	8.38	0.53	886
2038	100%	4,294	1,214	92%	3,950	343	7,174	8.72	0.53	942
2039	100%	4,547	1,260	92%	4,184	364	7,448	9.05	0.53	998
2040	100%	4,796	1,306	92%	4,413	384	7,718	9.38	0.53	1,053
2041	100%	5,040	1,351	92%	4,637	403	7,982	9.70	0.53	1,106
2042	100%	5,279	1,394	92%	4,857	422	8,240	10.02	0.53	1,159
2043	100%	5,513	1,437	92%	5,072	441	8,494	10.33	0.53	1,210
2044	100%	5,743 5,968	1,479 1,520	92%	5,284 5,491	459 477	8,742 8,986	10.63	0.53	1,261
2046	100%	6,189 6,405	1,561 1,600	92% 92%	5,694 5,893	495 512	9,225 9,459	11.21 11.50	0.53	1,358 1,406
2048	100% 100%	6,617 6,825	1,639 1,677	92% 92%	6,088 6,279	529 546	9,688 9,913	11.78 12.05	0.53	1,453 1,498
2050 2051 2052	100% 100%	7,029 7,229	1,715 1,751	92% 92% 92%	6,467 6,650	562 578 594	10,134	12.32 12.58	0.53	1,543 1,587
2053 2054	100% 100% 100%	7,424 7,616 7,804	1,787 1,822 1,857	92% 92%	6,830 7,007 7,180	609 624	10,562 10,769 10,973	12.84 13.09 13.34	0.53 0.53 0.53	1,630 1,672 1,713
2055 2056	100%	7,804 7,988 8,169	1,890 1,923	92% 92%	7,349 7,516	639 654	11,172 11,368	13.58 13.82	0.53 0.53	1,713 1,753 1,793
2057	100%	8,346	1,956	92%	7,679	668	11,559	14.05	0.53	1,832
2058	100%	8,520	1,988	92%	7,838	682	11,747	14.28	0.53	1,870
2059	100%	8,690	2,019	92%	7,995	695	11,931	14.50	0.53	1,907
2060		8,857	2,049	92%	8,148	709	12,112	14.72	0.53	1,944
2061	100%	9,020	2,079	92%	8,299	722	12,289	14.94	0.53	1,980
2062	100%	9,180	2,109	92%	8,446	734	12,462	15.15	0.53	2,015
2063	100%	9,338	2,137	92%	8,591	747	12,632	15.36	0.53	2,050
2064	100%	9,492	2,166	92%	8,732	759	12,799	15.56	0.53	2,083
2065	100%	9,642	2,193	92%	8,871	771	12,962	15.76	0.53	2,117
2066	100%	9,790	2,220	92%	9,007	783	13,122	15.95	0.53	2,149
2067	100%	9,935	2,247	92%	9,141	795	13,279	16.14	0.53	2,181
2068	100%	10,077	2,273	92%	9,271	806	13,433	16.33	0.53	2,212
2069	100%	10,217	2,298	92%	9,399	817	13,584	16.51	0.53	2,243
2070	100%	10,353	2,323	92%	9,525	828	13,732	16.69	0.53	2,273
2071	100%	10,372 10,164	2,327 2,289	92% 92%	9,542 9,351	830 813	13,751 13,526	16.72 16.44	0.53	2,277
2073	100%	9,960 9,760	2,251 2,215	92% 92%	9,163 8,979	797 781	13,306 13,090	16.17 15.91	0.53	2,186 2,142
2075 2076 2077	100% 100% 100%	9,565 9,373	2,179 2,144	92% 92% 92%	8,800 8,623	765 750 735	12,878 12,671 12,468	15.66 15.40	0.53 0.53 0.53	2,099 2,057
2077 2078 2079	100%	9,186 9,002 8,822	2,110 2,076 2,043	92% 92% 92%	8,451 8,282 8,116	720 706	12,269 12,074	15.16 14.91 14.68	0.53 0.53	2,016 1,976 1,936
2080 2081	100%	8,645 8,472	2,043 2,011 1,979	92% 92%	7,954 7,795	692 678	11,883 11,696	14.45 14.22	0.53 0.53	1,898 1,860
2082	100%	8,303	1,948	92%	7,639	664	11,513	14.00	0.53	1,823
	100%	8,137	1,918	92%	7,486	651	11,333	13.78	0.53	1,786
2084	100%	7,975	1,888	92%	7,337	638	11,158	13.56	0.53	1,751
2085		7,816	1,859	92%	7,191	625	10,986	13.35	0.53	1,716
2086	100%	7,660	1,830	92%	7,047	613	10,817	13.15	0.53	1,681
2087	100%	7,507	1,802	92%	6,907	601	10,652	12.95	0.53	1,648
2088	100%	7,358	1,775	92%	6,769	589	10,490	12.75	0.53	1,615
2089	100%	7,166	1,740	92%	6,593	573	10,282	12.50	0.53	1,573
2090	100%	6,978	1,705	92%	6,420	558	10,079	12.25	0.53	1,532
2091	100%	6,794	1,672	92%	6,250	543	9,879	12.01	0.53	1,491
2092	100%	6,613	1,638	92%	6,084	529	9,684	11.77	0.53	1,452
2093	100%	6,436	1,606	92%	5,921	515	9,492	11.54	0.53	1,413
2094	100%	6,262	1,574	92%	5,761	501	9,304	11.31	0.53	1,374
2095	100%	6,092	1,543	92%	5,604	487	9,120	11.09	0.53	1,337
2096	100%	5,925	1,513	92%	5,451	474	8,939	10.87	0.53	1,301
2097	100%	5,761	1,483	92%	5,300	461	8,762	10.65	0.53	1,265
2098	100%	5,601 5,444	1,453 1,424	92% 92%	5,153 5,008	448	8,589 8,418	10.44	0.53	1,229 1,195
2100	100% 100%	5,290 5,139	1,396 1,369	92% 92%	4,867 4,728	423 411	8,252 8,088	10.03 9.83	0.53	1,161 1,128
2102 2103 2104	100% 100% 100%	4,991 4,846 4,704	1,341 1,315	92% 92% 92%	4,592 4,458	399 388 376	7,928 7,771	9.64 9.45 9.26	0.53	1,095 1,064
2104 2105 2106	100%	4,704 4,564 4,428	1,289 1,263 1,238	92% 92% 92%	4,327 4,199 4,073	365 354	7,617 7,466 7,319	9.26 9.08 8.90	0.53 0.53 0.53	1,032 1,002 972
2107	100%	4,294	1,214	92%	3,950	343	7,174	8.72	0.53	942
2108		4,162	1,190	92%	3,829	333	7,032	8.55	0.53	914
2109	100%	4,016	1,059	92%	3,694	321	6,261	7.61	0.53	881
2110	100%	3,873	1,038	92%	3,563	310	6,137	7.46	0.53	850
2111	100%	3,734 3,598	1,018 998	92% 92%	3,435 3,310	299 288	6,015 5,896	7.31 7.17	0.53	820 790
2113	100%	3,466	978	92%	3,189	277	5,779	7.03	0.53	761
2114	100%	3,337	959	92%	3,070	267	5,665	6.89	0.53	733
2115	100%	3,212	940	92%	2,955	257	5,553	6.75	0.53	705
2116	100%	3,089	921	92%	2,842	247	5,443	6.62	0.53	678
2117	100%	2,970	903	92%	2,732	238	5,335	6.49	0.53	652
2118	100%	2,854	885	92%	2,625	228	5,229	6.36	0.53	626
2119	100%	2,740	867	92%	2,521	219	5,126	6.23	0.53	601
2120	100%	2,629	850	92%	2,419	210	5,024	6.11	0.53	577
2121	100%	2,521	833	92%	2,320	202	4,925	5.99	0.53	553
2122		2,416	817	92%	2,223	193	4,827	5.87	0.53	530
2123	100%	2,313	801	92%	2,128	185	4,732	5.75	0.53	508
2124		2,213	785	92%	2,036	177	4,638	5.64	0.53	486
2125	100%	2,115	769	92%	1,945	169	4,546	5.53	0.53	464
2126	100%	2,019	754	92%	1,858	162	4,456	5.42		443
2127	100%	1,926	739	92%	1,772	154	4,368	5.31	0.53	423
2128	100%	1,835	724	92%	1,688	147	4,281	5.20		403
2129	100%	1,746	710	92%	1,606	140	4,197	5.10	0.53	383
2130	100%	1,659	696	92%	1,526	133	4,114	5.00	0.53	364
2131 2132 2133	100% 100%	1,574 1,491	682 669	92% 92%	1,448 1,371	126 119	4,032 3,952 3,874	4.90 4.80	0.53 0.53	345 327 309
2134 2135	100% 100% 100%	1,410 1,331 1,253	655 643 630	92% 92% 92%	1,297 1,224 1,153	113 106 100	3,874 3,797 3,722	4.71 4.62 4.52	0.53 0.53 0.53	309 292 275
2136 2137	100%	1,253 1,178 1,104	617	92% 92% 92%	1,083 1,016	94	3,648 3,576	4.44 4.35	0.53 0.53	259 242
2138 2139	100%	1,104 1,032 961	593 581	92% 92%	949 884	83 77	3,505 3,436	4.26 4.18	0.53 0.53	226 211
2140	100%	892	570	92%	821	71	3,368	4.09	0.53	196
2141		825	559	92%	759	66	3,301	4.01	0.53	181
2142	100%	759	548	92%	698	61	3,236	3.93	0.53	167
2143		695	537	92%	639	56	3,172	3.86	0.53	152
2144	100%	632	526	92%	581	51	3,109	3.78	0.53	139
2145	100%	570	516	92%	524	46	3,047	3.70	0.53	125
2146	100%	510	505	92%	469	41	2,987	3.63	0.53	112
2147	100%	451	495	92%	415	36	2,928	3.56	0.53	99
2148	100%	393	486	92%	362	31	2,870	3.49	0.53	86
2149	100%	337	476	92%	310	27	2,813	3.42	0.53	74
2150	100%	282	467	92%	259	23	2,757	3.35	0.53	62
2151	100%	228	457	92%	210	18	2,703	3.29	0.53	50
2152	100%	175	448	92%	161	14	2,649	3.22	0.53	38
2153		124	439	92%	114	10	2,597	3.16	0.53	27
2154 2155	100%	73 24	431 422	92% 92%	67 22	6 2	2,545 2,495	3.09	0.53 0.53	16
2156	100%	-25	414	92%	(23)	-2	2,446	2.97	0.53	-5
2157	100%	-72	406	92%	(66)	-6	2,397	2.91	0.53	-16
2158 2159	100%	-118 -163	398 390	92% 92%	(109) (150)	-9 -13	2,350 2,303	2.86	0.53 0.53	-26 -36
2160	100%	-208	382	92%	(191)	-17	2,258	2.74	0.53	-46
2161	100%	-251	374	92%	(231)	-20	2,213	2.69	0.53	-55

GHO	Ge Landfill Flare E				RNG	Landfill Flare	GHGe La	ndfill (Direct) Emis	sions Flare Methane		l	
Year	Combusted in Landfill Flare	CO2 Emissions	Methane GWP	Fugitive LFG CO2e	Combustion CO2	Combustion CO2	Methane No Mitigation	Emissions No Mitigation'	Emissions No Mitigation'	Net No Mitigation GHGe Emissions	Net No Mitigation GHGe Emissions	Direct Landfill GHGe Increase
2021	Short tons/yr 0 198	Short tons/yr 0 543	Unit 25 25	GHGe tons/yr 0 1,114	GHGe tons/yr 0 0	0 543	0 1,237	GHGe tons/yr 0 538	GHGe tons/yr 0 44	0 1,819	0 1,650	0 1,657
2023 2024	352 516	967 1,415	25 25 25	1,114 1,982 2,902	0	967 1,415	2,202 3,224	957 1,401	91 141	3,250 4,766	2,949 4,324	2,949 4,317
2025 2026	688 870	1,889 2,386	25 25	3,872 4,892	0	1,889 2,386	4,302 5,435	1,870 2,362	194 249	6,366 8,047	5,775 7,300	5,761 7,278
2027 2028	1,060 0	2,907 0	25 25	5,960 5,307	0 293	2,907 0	6,622 7,862	2,878 3,417	307 368	9,808 11,648	8,898 10,567	8,867 5,600
2029 2030	0	0	25 25	6,179 7,085	342 392	0	9,154 10,497	3,979 4,562	432 498	13,565 15,557	12,306 14,113	6,521 7,477
2031	0	0	25 25	8,025 5,999	527	0	11,889 13,330	5,168 5,794	566 637	17,623 19,762	15,987 17,927	8,469 6,525
2033 2034	0	0	25 25	6,669 7,360	586 646	0	14,819 16,355	6,441 7,109	711 787	21,971 24,250	19,932 22,000	7,254 8,006
2035	0 0	0 0	25 25	4,036 4,402	748 816	0 0 0	17,937 19,564	7,796 8,503	865 945	26,598 29,012	24,129 26,319	4,784 5,218
2037 2038 2039	0	0	25 25 25	4,778 5,084 5,385	942 998	0	21,235 22,598 23,934	9,230 9,822 10,403	1,028 1,109 1,188	31,492 33,529 35,525	28,569 30,417 32,227	5,663 6,027 6,383
2040 2041	0	0	25 25	5,680 5,969	1,053 1,106	0	25,243 26,527	10,972 11,530	1,266 1,342	37,481 39,399	34,002 35,742	6,733 7,075
2042 2043	0	0	25 25	6,252 6,529	1,159 1,210	0	27,785 29,018	12,077 12,613	1,417 1,490	41,279 43,121	37,448 39,119	7,410 7,739
2044	0	0	25 25	6,801 7,068	1,261 1,310	0	30,227 31,412	13,138 13,653	1,562 1,633	44,928 46,698	40,758 42,364	8,062 8,378
2046 2047 2048	0 0 0	0 0 0	25 25 25	7,329 7,585 7,836	1,358 1,406 1,453	0 0 0	32,574 33,712 34,828	14,158 14,653 15,138	1,702 1,769 1,836	48,433 50,134 51,801	43,938 45,481 46,994	8,688 8,991 9,289
2049 2050	0	0	25 25 25	8,082 8,324	1,498 1,543	0	35,922 36,994	15,613 16,079	1,901 1,964	53,436 55,038	48,476 49,929	9,581 9,866
2051 2052	0	0	25 25	8,560 8,792	1,587 1,630	0	38,045 39,075	16,536 16,984	2,027	56,608 58,147	51,354 52,750	10,147 10,421
2053 2054	0	0	25 25	9,019 9,242	1,672 1,713	0	40,085 41,074	17,423 17,853	2,148 2,207	59,655 61,134	54,119 55,460	10,691 10,955
2055	0	0	25 25	9,460 9,674	1,753 1,793	0	42,045 42,995	18,275 18,688	2,264 2,321	62,584 64,004	56,775 58,064	11,214 11,467
2057 2058 2059	0	0 0 0	25 25 25	9,884 10,089	1,832 1,870	0 0 0	43,928 44,841 45,737	19,093 19,490	2,376 2,431	65,397 66,762	59,327 60,565 61,779	11,716 11,959
2059 2060 2061	0 0 0	0 0	25 25 25	10,291 10,488 10,682	1,907 1,944 1,980	0 0	45,737 46,615 47,475	19,879 20,261 20,635	2,484 2,536 2,587	68,100 69,411 70,697	61,779 62,969 64,135	12,198 12,432 12,662
2062 2063	0	0	25 25 25	10,872 11,058	2,015 2,050	0	48,318 49,145	21,002 21,361	2,637 2,686	71,957 73,192	65,278 66,399	12,887 13,107
2064 2065	0	0	25 25	11,240 11,419	2,083 2,117	0	49,955 50,750	21,713 22,058	2,734 2,782	74,403 75,590	67,497 68,574	13,323 13,535
2066 2067	0	0	25 25	11,594 11,766	2,149 2,181	0	51,528 52,291	22,397 22,728	2,828 2,873	76,753 77,893	69,629 70,663	13,743 13,946
2068 2069	0	0	25 25	11,934 12,099	2,212 2,243	0	53,039 53,773	23,054 23,372	2,918 2,961	79,011 80,106	71,677 72,671	14,146 14,341
2070 2071 2072	0 0	0	25 25 25	12,261 12,282 12,036	2,273	0	54,491 54,588	23,685 23,727 23,251	3,004 3,015	81,180 81,330 79,711	73,645 73,781 72,313	14,533 14,559
2072 2073 2074	0	0	25 25 25	11,795 11,558	2,231 2,186 2,142	0	53,493 52,421 51,370	22,785 22,328	2,967 2,920 2,874	78,125 76,572	70,874 69,465	14,267 13,981 13,701
2075 2076	0	0	25 25	11,327 11,100	2,099 2,057	0	50,341 49,333	21,881 21,442	2,828	75,050 73,559	68,084 66,731	13,426 13,157
2077 2078	0	0	25 25	10,878 10,660	2,016 1,976	0	48,345 47,377	21,013 20,593	2,740 2,698	72,098 70,668	65,407 64,109	12,894 12,636
2079 2080	0	0	25 25	10,447 10,238	1,936 1,898	0	46,430 45,501	20,181 19,777	2,656 2,615	69,266 67,893	62,837 61,592	12,383 12,135
2081	0	0	25 25	10,033 9,833	1,860 1,823	0	44,592 43,701	19,382 18,995	2,575 2,536	66,549 65,231	60,372 59,177	11,893 11,655
2083 2084 2085	0 0 0	0 0 0	25 25 25	9,636 9,444 9,256	1,786 1,751 1,716	0 0 0	42,828 41,973 41,136	18,615 18,244 17,880	2,498 2,460 2,423	63,941 62,677 61,439	58,006 56,860 55,737	11,423 11,195 10,971
2086 2087	0	0	25 25	9,071 8,890	1,681 1,648	0	40,316 39,513	17,523 17,174	2,387 2,352	60,227 59,039	54,637 53,559	10,753 10,538
2088	0	0	25 25	8,713 8,486	1,615 1,573	0	38,726 37,716	16,832 16,393	2,317 2,271	57,876 56,381	52,504 51,148	10,329 10,059
2090 2091	0	0	25 25	8,263 8,045	1,532 1,491	0	36,726 35,755	15,963 15,541	2,226 2,182	54,915 53,479	49,818 48,515	9,795 9,536
2092 2093	0	0	25 25	7,831 7,621	1,452 1,413	0	34,804 33,871	15,128 14,722	2,139 2,097	52,070 50,690	47,238 45,985	9,282 9,034
2094 2095 2096	0 0 0	0 0 0	25 25	7,415 7,214	1,374 1,337 1,301	0	32,957 32,061	14,325 13,935	2,055 2,014	49,337 48,011	44,758 43,555	8,790 8,551 8,317
2096 2097 2098	0	0	25 25 25	7,016 6,823 6,633	1,265 1,229	0 0 0	31,183 30,322 29,479	13,554 13,180 12,813	1,974 1,935 1,897	46,711 45,437 44,188	42,376 41,220 40,087	8,087 7,862
2099 2100	0	0	25 25	6,447 6,264	1,195 1,161	0	28,651 27,841	12,453 12,101	1,859 1,823	42,964 41,764	38,977 37,888	7,642 7,425
2101 2102	0	0	25 25	6,085 5,910	1,128 1,095	0	27,046 26,267	11,756 11,417	1,787 1,751	40,588 39,435	36,821 35,775	7,213 7,006
2103 2104	0	0	25 25	5,738 5,570	1,064 1,032	0	25,504 24,755	11,085 10,760	1,717 1,683	38,305 37,198	34,750 33,745	6,802 6,602
2105 2106 2107	0 0 0	0 0 0	25 25 25	5,405 5,243 5,085	1,002 972 942	0 0 0	24,022 23,303 22,598	10,441 10,129 9,822	1,649 1,617 1,585	36,112 35,048 34,005	32,760 31,795 30,849	6,407 6,215 6,027
2107 2108 2109	0	0	25 25 25	4,929 4,755	914 881	0	21,907 21,135	9,522 9,522 9,186	1,553 1,522	32,982 31,844	29,921 28,889	5,843 5,637
2110 2111	0	0	25 25	4,586 4,421	850 820	0	20,383 19,651	8,860 8,541	1,492 1,463	30,735 29,655	27,883 26,903	5,436 5,241
2112 2113	0	0	25 25	4,261 4,104	790 761	0	18,937 18,242	8,231 7,929	1,434 1,405	28,602 27,576	25,948 25,017	5,051 4,865
2114 2115	0	0	25 25	3,952 3,803	733 705	0	17,564 16,903	7,634 7,347	1,378 1,350	26,576 25,601	24,109 23,225	4,684 4,508
2116 2117 2118	0 0 0	0 0 0	25 25 25	3,658 3,517 3,379	678 652 626	0 0 0	16,259 15,631 15,019	7,067 6,794 6,528	1,324 1,297 1,272	24,650 23,722 22,818	22,362 21,521 20,700	4,336 4,169 4,006
2118 2119 2120	0	0	25 25 25	3,245 3,114	601 577	0	14,421 13,838	6,268 6,015	1,272 1,246 1,222	21,936 21,075	19,900 19,119	3,846 3,691
2121 2122	0	0	25 25	2,986 2,861	553 530	0	13,270 12,715	5,768 5,527	1,198 1,174	20,235 19,416	18,357 17,613	3,539 3,391
2123 2124	0	0	25 25	2,739 2,620	508 486	0	12,174 11,645	5,291 5,062	1,151 1,128	18,616 17,835	16,888 16,180	3,247 3,106
2125 2126	0	0	25 25	2,504 2,391	464 443	0	11,130 10,627	4,838 4,619	1,105 1,084	17,073 16,329	15,488 14,813	2,968 2,834
2127 2128 2129	0 0 0	0 0 0	25 25 25	2,280 2,172 2,067	423 403 383	0 0 0	10,135 9,655 9,187	4,405 4,197 3,993	1,062 1,041 1,020	15,602 14,893 14,200	14,154 13,511 12,882	2,703 2,575 2,450
2130 2131	0	0	25 25 25	1,964 1,864	364 345	0	8,729 8,282	3,794 3,600	1,020 1,000 980	13,524 12,863	12,882 12,269 11,669	2,328 2,209
2132 2133	0	0	25 25	1,765 1,669	327 309	0	7,846 7,420	3,410 3,225	961 942	12,217 11,587	11,083 10,511	2,093 1,979
2134 2135	0	0	25 25	1,576 1,484	292 275	0	7,003 6,596	3,044 2,867	923 905	10,970 10,368	9,952 9,406	1,868 1,759
2136 2137	0	0	25 25	1,395 1,307	259 242	0	6,198 5,810	2,694 2,525	887 870	9,780 9,205	8,872 8,350	1,653 1,550
2138 2139 2140	0 0 0	0 0 0	25 25 25	1,222 1,138	226 211 196	0	5,430 5,059 4,696	2,360 2,199 2,041	852 836	8,643 8,093 7,556	7,840 7,342 6,855	1,448 1,349
2140 2141 2142	0 0	0 0	25 25 25	1,057 977 899	196 181 167	0 0 0	4,696 4,341 3,995	2,041 1,887 1,736	819 803 787	7,556 7,031 6,518	6,855 6,378 5,913	1,252 1,158 1,065
2142 2143 2144	0	0	25 25 25	822 748	152 139	0	3,655 3,324	1,756 1,589 1,445	771 756	6,016 5,525	5,457 5,012	975 887
2145 2146	0	0	25 25	675 604	125 112	0	3,000 2,683	1,304 1,166	741 726	5,045 4,575	4,577 4,151	800 716
2147 2148	0	0	25 25	534 466	99 86	0	2,373 2,070	1,031 900	712 698	4,116 3,667	3,734 3,327	633 552
2149 2150	0	0	25 25	399 334	74 62	0	1,773 1,483	771 645	684 671	3,228 2,798	2,928 2,539	473 396
2151 2152 2153	0 0 0	0 0 0	25 25 25	270 207	50 38	0	1,200 922 650	521 401 283	657 644 631	2,378 1,967	2,157 1,784	320 246 173
2153 2154 2155	0 0	0 0	25 25 25	146 87 28	27 16 5	0 0 0	650 385 125	283 167 54	631 619 607	1,565 1,171 786	1,419 1,062 713	173 103 33
2156 2157	0	0	25 25 25	-29 -85	-5 -16	0	-130 -378	-56 -164	595 583	409 40	371 36	-35 -101
2158 2159	0	0	25 25	-140 -194	-26 -36	0	-622 -860	-270 -374	571 560	-321 -674	-291 -612	-166 -229

		•	(Indirect) and I	andfill Operations (Direct				Ge Emission Tot	als
Year	Total Estimated CO2e Existing plus Expansion LF	Total Mobile Collection CO2e	Facility Ops CO2e	Percent of Ops Emission Attributed to Proposed Landfill	Out of County Mobile Collection CO2e	Indirect Increase Total CO2e	Direct (LF) GHGe Increase	Indirect GHGe Increase	Total GHGe Increase
2021	tonnes/yr 5,075	tonnes/yr 3,698	tonnes/yr 1,377	% 69%	tonnes/yr	tonnes/yr -57	tonnes/yr	tonnes/yr -57	tonnes/yr
2022	5,300 5,511	3,875 4,038	1,425 1,472	84% 85%	1,620 1,571	168 495	1,503 2,675	168 495	1,671 3,169
2024 2025	5,709 5,893	4,189 4,325	1,520 1,568	86% 87%	1,522 1,472	577 876	3,916 5,226	577 876	4,493 6,101
2026 2027	6,063 6,218	4,447 4,555	1,615 1,663	87% 88%	1,423 1,374	1,156 1,200	6,602 8,044	1,156 1,200	7,758 9,244
2028 2029 2030	6,358 6,484 6,595	4,647 4,725 4,788	1,711 1,758 1,806	89% 89% 90%	1,324 1,275 1,225	1,571 1,464 1,459	5,081 5,915 6,783	1,571 1,464 1,459	6,655 7,384 8,246
2031	6,671 6,732	4,837 4,870	1,834 1,862	90%	1,176	1,650 1,595	7,683 5,920	1,650 1,595	9,338
2032 2033 2034	6,732 6,739 6,772	4,849 4,854	1,892 1,890 1,918	91% 91%	1,127 1,077 1,028	1,595 1,717 1,634	6,581 7,263	1,717 1,634	7,520 8,304 8,903
2035	6,790 6,884	4,844 4,956	1,946 1,927	91% 92%	979 980	1,767 1,743	4,340 4,733	1,767 1,743	6,114 6,484
2037 2038	6,832 6,779	4,923 4,889	1,909 1,890	100% 100%	980 981	1,111 1,707	5,138 5,468	1,111 1,707	6,256 7,183
2039 2040	6,725 6,672	4,854 4,819	1,871 1,853	100% 100%	982 983	1,697 1,873	5,791 6,108	1,697 1,873	7,496 7,990
2041	6,616 6,560	4,782 4,744	1,834 1,816	100%	984 984	1,585 1,412	6,418 6,723	1,585 1,412	8,012 8,144
2043 2044 2045	6,504 6,447 6,389	4,707 4,668 4,630	1,797 1,778 1,760	100% 100% 100%	985 986 987	1,470 1,296 1,354	7,021 7,313	1,470 1,296	8,501 8,620 8,964
2045 2046 2047	4,529 4,519	2,780 2,783	1,748 1,737	100%	592 592	-624 -634	7,600 7,881 8,157	1,354 -624 -634	7,268 7,533
2048 2049	4,510 4,501	2,785 2,787	1,725 1,714	100%	592 592	-297 -538	8,427 8,691	-297 -538	8,141 8,164
2050 2051	4,491 3,579	2,789 2,791	1,702 788	100% 100%	592 592	-665 -1,492	8,951 9,205	-665 -1,492	8,298 7,725
2052 2053	3,581 3,561	2,793 2,773	788 788	100% 100%	592 592	-1,606 -1,511	9,454 9,699	-1,606 -1,511	7,860 8,200
2054	3,563 3,565	2,775	788 788	100%	592 592	-1,626 -1,508	9,938	-1,626 -1,508	8,325 8,677
2056 2057 2058	3,568 3,569 3,571	2,779 2,781 2,783	788 788 788	100% 100% 100%	592 592 592	-1,623 -1,506 -1,273	10,403 10,628	-1,623 -1,506	8,793 9,136 9,590
2058 2059 2060	3,571 3,573 3,575	2,785 2,787	788 788 789	100% 100% 100%	592 592 592	-1,273 -1,503 -1,618	10,849 11,066 11,278	-1,273 -1,503 -1,618	9,590 9,577 9,674
2061 2062	3,577 3,577 3,579	2,788 2,790	789 789	100% 100% 100%	592 592	-1,616 -1,501 -1,616	11,487 11,691	-1,501 -1,616	10,000
2063 2064	3,581 3,583	2,792 2,794	789 789	100% 100%	592 592	-1,498 -1,613	11,891 12,087	-1,498 -1,613	10,407 10,489
2065 2066	3,585 3,587	2,796 2,798	789 789	100% 100%	592 592	-1,496 -1,611	12,279 12,467	-1,496 -1,611	10,798 10,872
2067 2068	3,589 3,591	2,800 2,802	789 789	100% 100%	592 592	-1,493 -1,261	12,652 12,833	-1,493 -1,261	11,174 11,588
2069 2070 2071	3,593 2,895 1,542	2,803 2,106 752	790 790 790	100% 100% 100%	592 592 592	-1,491 -2,305 -3,543	13,010 13,184 13,208	-1,491 -2,305 -3,543	11,535 10,895 9,680
2071 2072 2073	1,544 1,546	754 756	790 790 790	100% 100% 100%	592 592 592	-3,543 -3,658 -3,541	12,943 12,683	-3,658 -3,541	9,880 9,300 9,158
2074 2075	1,548 1,550	758 760	790 790	100% 100% 100%	592 592	-3,656 -3,538	12,429 12,180	-3,656 -3,538	8,789 8,657
2076 2077	1,552 1,554	762 764	790 790	100% 100%	592 592	-3,653 -3,536	11,936 11,697	-3,653 -3,536	8,298 8,176
2078 2079	1,556 1,558	766 768	791 791	100% 100%	592 592	-3,303 -3,533	11,463 11,234	-3,303 -3,533	8,174 7,715
2080 2081	1,560 1,562	770 772	791 791	100%	592 592	-3,648 -3,531	11,009 10,789	-3,648 -3,531	7,375 7,272
2082	1,564 1,566	773 775	791 791	100% 100%	592 592	-3,645 -3,644	10,573 10,362	-3,645 -3,644	6,942 6,731
2084 2085 2086	1,568 1,570 1,572	777 779 781	791 791 791	100% 100% 100%	592 592 592	-3,643 -3,642 -3,641	10,156 9,953 9,755	-3,643 -3,642 -3,641	6,526 6,324 6,127
2087 2088	181 181	0	181 181	100% 100% 100%	0	-3,470 -4,983	9,560 9,370	-3,470 -4,983	6,103 4,399
2089 2090	181 181	0	181 181	100% 100%	0	-4,983 -4,983	9,125 8,886	-4,983 -4,983	4,154 3,915
2091 2092	181 181	0	181 181	100% 100%	0	-4,983 -4,983	8,651 8,421	-4,983 -4,983	3,679 3,449
2093 2094	181 181	0	181 181	100%	0	-4,983 -4,983	8,195 7,974	-4,983 -4,983	3,223 3,002
2095 2096 2097	181 181 181	0 0	181 181 181	100% 100% 100%	0 0 0	-4,983 -4,983 -4,983	7,757 7,545	-4,983 -4,983 -4,983	2,785 2,572 2,364
2097 2098 2099	181 181	0	181	100% 100% 100%	0	-4,983 -4,983	7,337 7,132 6,932	-4,983 -4,983	2,159 1,959
2100 2101	181 181	0	181 181	100%	0	-4,983 -4,983	6,736 6,544	-4,983 -4,983	1,763 1,570
2102 2103	181 181	0	181 181	100% 100%	0	-4,983 -4,983	6,355 6,171	-4,983 -4,983	1,381 1,197
2104 2105	181 181	0	181 181	100% 100%	0	-4,983 -4,983	5,990 5,812	-4,983 -4,983	1,015 838
2106 2107	181 181	0	181 181	100% 100%	0	-4,983 -4,983	5,638 5,468	-4,983 -4,983	663 493
2108 2109 2110	181 181 181	0 0	181 181 181	100% 100% 100%	0 0 0	-4,983 -4,983 -4,983	5,300 5,114 4,932	-4,983 -4,983 -4,983	325 138 -44
2110 2111 2112	181 181 181	0	181 181	100% 100% 100%	0	-4,983 -4,983 -4,983	4,755 4,582	-4,983 -4,983	-222 -394
2112 2113 2114	181 181 181	0	181 181	100% 100% 100%	0	-4,983 -4,983 -4,983	4,414 4,250	-4,983 -4,983	-563 -727
2115 2116	181 181	0	181 181	100% 100%	0	-4,983 -4,983	4,090 3,934	-4,983 -4,983	-887 -1,043
2117 2118	181 181	0	181 181	100% 100%	0	-4,983 -4,983	3,782 3,634	-4,983 -4,983	-1,195 -1,343
2119 2120 2121	181 181 181	0 0	181 181 181	100% 100% 100%	0 0 0	-4,983 -4,983 -4,983	3,489 3,348 3,211	-4,983 -4,983 -4,983	-1,488 -1,629 -1,767
2122 2122 2123	181 181 181	0	181 181	100% 100% 100%	0	-4,983 -4,983 -4,983	3,076 2,945	-4,983 -4,983	-1,767 -1,901 -2,032
2124 2125	181 181 181	0	181 181	100% 100% 100%	0	-4,983 -4,983	2,818 2,693	-4,983 -4,983	-2,160 -2,285
2126 2127	181 181	0	181 181	100% 100%	0	-4,983 -4,983	2,571 2,452	-4,983 -4,983	-2,407 -2,526
2128 2129	181 181	0	181 181	100% 100%	0	-4,983 -4,983	2,336 2,223	-4,983 -4,983	-2,642 -2,756
2130 2131	181 181	0	181 181	100% 100%	0	-4,983 -4,983	2,112 2,004	-4,983 -4,983	-2,867 -2,975
2132 2133 2134	181 181 181	0 0	181 181 181	100% 100% 100%	0 0 0	-4,983 -4,983 -4,983	1,898 1,795 1,694	-4,983 -4,983 -4,983	-3,080 -3,184 -3,285
2134 2135 2136	181 181 181	0	181 181 181	100% 100% 100%	0	-4,983 -4,983 -4,983	1,694 1,596 1,500	-4,983 -4,983 -4,983	-3,285 -3,383 -3,479
2137 2138	181 181	0	181 181	100% 100% 100%	0	-4,983 -4,983	1,406 1,314	-4,983 -4,983	-3,574 -3,666
2139 2140	181 181	0	181 181	100% 100%	0	-4,983 -4,983	1,224 1,136	-4,983 -4,983	-3,755 -3,843
2141 2142	181 181	0	181 181	100% 100%	0	-4,983 -4,983	1,050 966	-4,983 -4,983	-3,929 -4,013
2143 2144	181 181	0	181 181	100% 100%	0	-4,983 -4,983	884 804	-4,983 -4,983	-4,095 -4,176
2145 2146 2147	181 181	0	181 181	100% 100%	0	-4,983 -4,983	726 649	-4,983 -4,983	-4,254 -4,331
2147 2148 2149	181 181 181	0 0	181 181 181	100% 100% 100%	0 0 0	-4,983 -4,983 -4,983	574 501 429	-4,983 -4,983 -4,983	-4,406 -4,479 -4,551
2149 2150 2151	181 181 181	0	181 181 181	100% 100% 100%	0	-4,983 -4,983 -4,983	359 290	-4,983 -4,983 -4,983	-4,551 -4,621 -4,690
2152 2153	181 181	0	181 181	100% 100%	0	-4,983 -4,983	223 157	-4,983 -4,983	-4,757 -4,823
2154 2155	181 181	0	181 181	100% 100%	0	-4,983 -4,983	93 30	-4,983 -4,983	-4,887 -4,950
2156 2157	181 181	0	181 181	100% 100%	0	-4,983 -4,983	-31 -92	-4,983 -4,983	-5,012 -5,072
2158 2159	181 181 181	0 0	181 181 181	100% 100% 100%	0 0 0	-4,983 -4,983 -4,983	-150 -208 -265	-4,983 -4,983 -4,983	-5,131 -5,189 -5,245
2160						-4 701			





JSRL
Reduction in GHG Emissions from Early Adoption of 95% CE

	LFG Collection	GHGe Emissions via Adoption of Normal LFG	LFG Collection	GHGe Emissions via Adoption of Stepped LFG Collection (95%	LFG Collection	GHGe Emissions via Adoption of Early LFG Collection (95% CE
Year	Efficiency (%)	Collection	Efficiency (%)	CE) by 2035	Efficiency (%)	by 2024
2021	80%	-57	80%	-57	80%	-57
2022	80%	1,671	80%	1,671	80%	1,671
2023	80%	3,169	80%	3,169	80%	3,169
2024	80%	4,493	80%	4,493	95%	2,759
2025	80%	6,101	80%	6,101	95%	3,788
2026	80%	7,758	80%	7,758	95%	4,836
2027	80%	9,244	80%	9,244	95%	5,683
2028	80%	8,244	85%	6,655	95%	3,477
2029	80%	9,234	85%	7,384	95%	3,684
2030	80%	10,367	85%	8,246	95%	4,003
2031	80%	11,740	85%	9,338	95%	4,532
2032	80%	12,908	90%	7,520	95%	4,826
2033	80%	14,294	90%	8,304	95%	5,309
2034	80%	15,514	90%	8,903	95%	5,597
2035	80%	16,989	95%	6,114	95%	6,114
2036	80%	18,346	95%	6,484	95%	6,484
2037	85%	14,840	95%	6,256	95%	6,256
2038	85%	16,317	95%	7,183	95%	7,183
2039	85%	17,171	95%	7,496	95%	7,496
2040	85%	18,193	95%	7,990	95%	7,990
2041	85%	18,735	95%	8,012	95%	8,012
2042	85%	19,375	95%	8,144	95%	8,144
2043	85%	20,231	95%	8,501	95%	8,501
2044	85%	20,838	95%	8,620	95%	8,620
2045	85%	21,662	95%	8,964	95%	8,964
2046	85%	20,435	95%	7,268	95%	7,268
2047	85%	21,160	95%	7,533	95%	7,533
2048	85%	22,219	95%	8,141	95%	8,141
2049	85%	22,685	95%	8,164	95%	8,164
2050	85%	23,251	95%	8,298	95%	8,298
2051	85%	23,104	95%	7,725	95%	7,725
2052	85%	23,655	95%	7,860	95%	7,860
2053	85%	24,403	95%	8,200	95%	8,200
2054	85%	24,928	95%	8,325	95%	8,325
2055	85%	25,673	95%	8,677	95%	8,677
2056	85%	26,173	95%	8,793	95%	8,793
2057	85%	26,892	95%	9,136	95%	9,136
2058	85%	27,716	95%	9,590	95%	9,590
2059	85%	28,064	95%	9,577	95%	9,577
2060	85%	28,517	95%	9,674	95%	9,674
2061	85%	29,190	95%	10,000	95%	10,000
2062	85%	29,621	95%	10,090	95%	10,090
2063	85%	30,272	95%	10,407	95%	10,407
2064	85%	30,681	95%	10,489	95%	10,489
2065	85%	31,312	95%	10,798	95%	10,798
2066	85%	31,701	95%	10,872	95%	10,872
2067	85%	32,311	95%	11,174	95%	11,174
2068	85%	33,028	95%	11,588	95%	11,588
2069	85%	33,271	95%	11,535	95%	11,535
2070	85%	32,922	95%	10,895	95%	10,895
2071	85%	31,746	95%	9,680	95%	9,680
2072	85%	30,923	95%	9,300	95%	9,300
2073	85%	30,347	95%	9,158	95%	9,158

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environmental consultants laboratory services atmaa.com

LABORATORY ANALYSIS REPORT

Speciated Hydrocarbons Analysis in SUMMA Canister Sample

Report Date: July 6, 2020 Client: SCS Engineers Project Name: John Smith Landfill

Project No.: Not Given

Date Received: June 22, 2020 Date Analyzed: June 22, 2020

ANALYSIS DESCRIPTION

Hydrocarbon Speciation analysis was performed by flame ionization detection/gas chromatography (FID/GC), modified EPA-18.

AtmAA Lab No.:	21740-1	(repeat)	21740-2
Sample ID:	Flare Inlet	Flare Inlet	Flare Inlet
	Can 192	Can 192	Can 418
Component	(Concentrat	tion in ppmv,	component)
Methane	363000	361000	360000
Ethene	6.45	5.87	6.55
Acetylene	< 0.05	< 0.05	< 0.05
Ethane	3.15	3.15	2.96
non-methane hydrocarbons			
analysis by carbon			
number grouping			
C3	54.5	54.3	55.1
C4	64.8	67.6	61.8
C5	64.7	66.7	62.6
C6	81.7	83.2	76.8
C7	29.3	27.8	26.8
C8	39.0	39.4	36.2
C9	71.1	70.8	70.1
C10	60.6	62.7	58.5
C11	10.6	11.4	10.1
C12	4.40	5.40	4.13
C13	0.33	0.42	0.36
C14	0.11	0.12	0.16
TNMHC	3194	3256	3066

TNMHC - total non-methane hydrocarbons as ppmvC.

Brian W. Fung Laboratory Director

Calculated values for Specific Volume, BTU and F (factor)

Report Date: July 6, 2020

Client: SCS Engineers

Project Location: John Smith Landfill Date Received: June 22, 2020 Date Analyzed: June 22, 2020

AtmAA Lab No.: 21740-1 Flare Inlet (192)

Specific volume, BTU, and F-factor are calculated using labortatory analysis results for methane, carbon dioxide, nitrogen, oxygen, TNMHC, and sulfur compounds in equations that include gross/net heating and specific gas volume values taken from the GPA-2145 Midstream Standard, and represents dry "ideal" gas at 60°F and 1 atm. The F-factor is calculated according to the equation in EPA Method 19.

Component	Mole %	Wt %	C,H,O,N,S	, Wt.%	
Methane	36.2	20.0	Carbon	28.7	
Carbon dioxide	32.6	49.6	Hydrogen	5.03	
Nitrogen	28.5	27.53	Oxygen	38.6	
Oxygen	2.29	2.53	Nitrogen	27.5	
Argon	0.10	0.14	Argon	0.14	
Hydrogen	0.00	0.00	Sulfur	0.04	
(CH ₂) _n	0.049	0.16			
Specific Volume		13.06			
BTU/ft ³		369	(HHV)	332	(LHV
BTU/ lb.		4814	(HHV)	4335	(LHV
F (factor)		10034	(HHV)	11142	(LHV
Wobbe Index		369	(HHV)		
Specific Gravity		0.999			

Specific volume reference values *				
23.7	(ft³/lb)			
8.62				
13.5				
11.9				
9.52				
188.2				
	23.7 8.62 13.5 11.9 9.52			

^{*} reference, Rev. 2016, GPA-2145 Midstream Standard, Selected Hydrocarbons 60°F



Calculated values for Specific Volume, BTU and F (factor)

Report Date: July 6, 2020

Client: SCS Engineers

Project Location: John Smith Landfill Date Received: June 22, 2020 Date Analyzed: June 22, 2020

AtmAA Lab No.: 21740-2 Flare Inlet (418)

Specific volume, BTU, and F-factor are calculated using labortatory analysis results for methane, carbon dioxide, nitrogen, oxygen, TNMHC, and sulfur compounds in equations that include gross/net heating and specific gas volume values taken from the GPA-2145 Midstream Standard, and represents dry "ideal" gas at 60°F and 1 atm. The F-factor is calculated according to the equation in EPA Method 19.

Component	Mole %	Wt %	C,H,O,N,S,	Wt.%	
Methane	36.0	20.0	Carbon	28.7	
Carbon dioxide	32.8	49.9	Hydrogen	5.02	
Nitrogen	28.1	27.21	Oxygen	38.9	
Oxygen	2.31	2.56	Nitrogen	27.2	
Argon	0.10	0.14	Argon	0.14	
Hydrogen	0.00	0.00	Sulfur	0.04	
(CH ₂) _n	0.047	0.15			
Specific Volume		13.04			
BTU/ft°		367	(HHV)	330	(LHV)
BTU/ lb.		4779	(HHV)	4304	(LHV)
F (factor)		10075	(HHV)	11187	(LHV)
Wobbe Index		367	(HHV)		95566
Specific Gravity		0.996	31		

Component	Specific volume reference values *				
Methane	23.7	(ft³/lb)			
Carbon dioxide	8.62				
Nitrogen	13.5				
Oxygen	11.9				
Argon	9.52				
Hydrogen	188.2				

^{*} reference, Rev. 2016, GPA-2145 Midstream Standard, Selected Hydrocarbons 60°F





Atm AA Inc.

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LABORATORY ANALYSIS REPORT

environmental consultants laboratory services

TO-15 Component Analysis in Silco Canister Sample, by GC/MS Method EPA TO afmaa.com

Report Date: July 6, 2020
Client: SCS Engineers
Project Location: John Smith Landfill
Project No.: Not Given
Date Received: June 22, 2020
Date Analyzed: June 22, 2020

AtmAA Lab No.: Sample ID:	L	21740-1 Flare Inlet (192)	21740-2 Flare Inlet (418)
Components		(Concenta	tions in ppbv)
Freon 12		345	336
Chloromethane		76.3	70.3
Freon 114		<40	<40
Vinyl Chloride		78.6	70.3
1,3-Butadiene		<60	<60
Bromomethane		<60	<60
Chloroethane		143	144
Acetone		23900	25650
Freon 11		294	310
Isopropyl Alcohol		78200	80350
1,1-Dichloroethene		<60	<60
Methylene Chloride		209	194
Carbon Disulfide		333	347
Freon 113		<40	<40
trans-1,2-Dichloroethene		<60	<60
1,1-Dichloroethane		<60	<60
MTBE		<60	<60
Vinyl Acetate		<60	<60
2-Butanone		31900	38600
cis-1,2-Dichloroethene		265	258
n-Hexane		2720	1940
Chloroform		<40	<40
Ethyl Acetate		1840	1755
Tetrahydrofuran		1370	1520
1,2-Dichloroethane		434	458
1,1,1-Trichloroethane		<40	<40
Benzene		1750	1715
Carbon Tetrachloride		<40	<40
Cyclohexane		<60	<60
1,2-Dichloropropane		<60	<60
Bromodichloromethane		<60	<60
Trichloroethene		168	169
1,4-Dioxane		<60	<60
2,2,4-Trimethyl Pentane		<60	<60
n-Heptane		<60	<60
cis-1,3-Dichloropropene		<60	<60
4-Methyl-2-pentanone		3300	2820
trans-1,3-Dichloropropene		<60	<60
1,1-2-Trichloroethane		<60	<60
Toluene		27400	30000
2-Hexanone		<60	<60
Dibromochloromethane		<60	<60
1,2-Dibromomethane		<40	<40
Tetrachloroethene		354	346
Chlorobenzene		116	105
Ethylbenzene		6020	5615
m,p-Xylene		10800	9895
Bromoform		<40	<40
Styrene		746	654
1,1,2,2-Tetrachloroethane		<60	<60
o-Xylene		3600	3260
Benzyl Chloride		<60	<60
4-Ethyl Toluene		2180	1900
1,3,5-Trimethyl Benzene		844	717
1,2,4-Trimethyl Benzene		2090	1760
1,3-Dichlorobenzene		<40	<40
1,4-Dichlorobenzene		542	436
1,2-Dichlorobenzene		<40	<40
1,2,4-Trichlorobenzene		<120	<120
Hexachlorobutadiene		<60	<60

Brian W Fung Laboratory Director

QUALITY ASSURANCE SUMMARY (Repeat Analyses)

Project Location: John Smith Landfill Date Received: June 22, 2020 Date Analyzed: June 22, 2020

	Sample	Repeat	Analysis	Mean	% Diff.
	ID	Run #1	Run #2	Conc.	From Mean
Components		(Cond	entration in	ppbv)	
Freon-12	Flare Inlet (192)	336	336	336	0.00
Chloromethane	Flare Inlet (192)	73,4	67.1	70.3	4.5
Freon 114	Flare Inlet (192)	<40	<40	\ 	- Caper.
Vinyl Chloride	Flare Inlet (192)	78.6	62.0	70.3	12
1,3-Butadiene	Flare Inlet (192)	<60	<60		
Bromomethane	Flare Inlet (192)	<60	<60		
Chloroethane	Flare Inlet (192)	166	121	144	16
Acetone	Flare Inlet (192)	26300	25000	25650	2.5
Freon 11	Flare Inlet (192)	327	292	310	5.7
sopropyl Alcohol	Flare Inlet (192)	84300	76400	80350	4.9
1,1-Dichloroethene	Flare Inlet (192)	<60	<60		-
Methylene Chloride	Flare Inlet (192)	190	198	194	2.1
Carbon Disulfide	Flare Inlet (192)	350	343	347	1.0
Freon 113	Flare Inlet (192)	<40	<40		
trans-1,2-Dichloroethene	Flare Inlet (192)	<60	<60		
1,1-Dichloroethane	Flare Inlet (192)	<60	<60		24
МТВЕ	Flare Inlet (192)	<60	<60		
Vinyl Acetate	Flare Inlet (192)	<60	<60	-4-1	144
2-Butanone	Flare Inlet (192)	37700	39500	38600	2.3
cis-1,2-Dichloroethene	Flare Inlet (192)	263	253	258	1.9
n-Hexane	Flare Inlet (192)	2060	1820	1940	6.2



QUALITY ASSURANCE SUMMARY (Repeat Analyses) (continued)

	Sample	Repeat Analysis		Mean	% Diff.
	ID	Run #1	Run #2	Conc.	From Mean
Components		(Cond	centration in	ppbv)	
Chloroform	Flare Inlet (192)	<40	<40		-
Ethyl Acetate	Flare Inlet (192)	1760	1750	1755	0.28
Tetrahydrofuran	Flare Inlet (192)	1680	1360	1520	11
1,2-Dichloroethane	Flare Inlet (192)	500	415	458	9.3
1,1,1-Trichloroethane	Flare Inlet (192)	<40	<40		
Benzene	Flare Inlet (192)	1740	1690	1715	1.5
Carbon Tetrachloride	Flare Inlet (192)	<40	<40		
Cyclohexane	Flare Inlet (192)	<60	<60	+	- -
1,2-Dichloropropane	Flare Inlet (192)	<60	<60		
Bromodichloromethane	Flare Inlet (192)	<60	<60	-	-
Trichloroethene	Flare Inlet (192)	174	163	169	3.3
1,4-Dioxane	Flare Inlet (192)	<60	<60	244	24
2,2,4-Trimethyl Pentane	Flare Inlet (192)	<60	<60	-	-
n-Heptane	Flare Inlet (192)	<60	<60		
cis-1,3-Dichloropropene	Flare Inlet (192)	<60	<60		
4-Methyl-2-pentanone	Flare Inlet (192)	2810	2830	2820	0.35
trans-1,3-Dichloropropene	Flare Inlet (192)	<60	<60	3,444	-
1,1-2-Trichloroethane	Flare Inlet (192)	<60	<60	-	
Toluene	Flare Inlet (192)	30800	29200	30000	2.7
2-Hexanone	Flare Inlet (192)	<60	<60	545	4
Dibromochloromethane	Flare Inlet (192)	<60	<60	-	
1,2-Dibromomethane	Flare Inlet (192)	<40	<40	-	

QUALITY ASSURANCE SUMMARY (Repeat Analyses) (continued)

	Sample	Repeat Analysis Run #1 Run #2 (Concentration in		Mean	% Diff,	
Components	ID			Conc. ppbv)	From Mean	
Tetrachloroethene	Flare Inlet (192)	354	338	346	2.3	
Chlorobenzene	Flare Inlet (192)	103	106	105	1.4	
Ethylbenzene	Flare Inlet (192)	5700	5530	5615	1.5	
m,p-Xylene	Flare Inlet (192)	10000	9790	9895	1,1	
Bromoform	Flare Inlet (192)	<40	<40	-	444	
Styrene	Flare Inlet (192)	663	645	654	1.4	
1,1,2,2-Tetrachloroethane	Flare Inlet (192)	<60	<60	4	***	
o-Xylene	Flare Inlet (192)	3290	3230	3260	0.92	
Benzyl Chloride	Flare Inlet (192)	<60	<60		***	
4-Ethyl Toluene	Flare Inlet (192)	1890	1910	1900	0.53	
1,3,5-Trimethyl Benzene	Flare Inlet (192)	716	717	717	0.07	
1,2,4-Trimethyl Benzene	Flare Inlet (192)	1760	1760	1760	0.00	
1,3-Dichlorobenzene	Flare Inlet (192)	<40	<40	-	-	
1,4-Dichlorobenzene	Flare Inlet (192)	417	454	436	4.2	
1,2-Dichlorobenzene	Flare Inlet (192)	<40	<40	-		
1,2,4-Trichlorobenzene	Flare Inlet (192)	<120	<120		-	
Hexachlorobutadiene	Flare Inlet (192)	<60	<60			

Two Silco canister samples, laboratory numbers 21740-(1-2), were analyzed for TO-15 components by GC/MS. Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". The average % difference from mean for 29 repeat measurements from two Silco canister samples is 3.4%.





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LABORATORY ANALYSIS REPORT

Hydrogen Sulfide and Reduced Sulfur Compounds Analysis in Silco Canister Sample by ASTM Method D5504

Report Date: July 6, 2020

Client: SCS Engineers

Project Location: John Smith Landfill

Project No.: Not Given
Date Received: June 22, 2020
Date Analyzed: June 22, 2020

ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), ASTM D5504

21740-1 Flare Inlet (192)	21740-2 Flare Inlet (418)
(Concentrati	ion in ppmv)
343	318
2.71	2,63
1.23	1.30
<0.2	<0.2
0.98	0.95
0.26	0.26
1.83	1.87
<0.2	<0.2
<0.2	<0.2
1.47	1.48
< 0.2	<0.2
<0.2	<0.2
<0.2	<0.2
351	326
	Flare Inlet (192) (Concentrate 343 2.71 1.23 <0.2 0.98 0.26 1.83 <0.2 <0.2 <1.47 <0.2 <0.2 <0.2 1.47 <0.2 <0.2 <0.2

TRS - total reduced sulfur

Brian W. Fung Laboratory Director

QUALITY ASSURANCE SUMMARY (Repeat Analyses)

Project Location: John Smith Landfill Date Received: June 22, 2020 Date Analyzed: June 22, 2020

	Sample	Repeat	Analysis	Mean	% Diff,	
	ID	Run #1	Run #2	Conc.	From Mean	
Components		(Concentration in ppmv)				
Hydrogen sulfide	Flare Inlet (192)	345	340	343	0.80	
	Flare Inlet (418)	315	320	318	0.79	
Carbonyl sulfide	Flare Inlet (192)	2.75	2.67	2.71	1.4	
	Flare Inlet (418)	2.63	2.63	2.63	0.00	
Methyl mercaptan	Flare Inlet (192)	1.25	1.21	1.23	1.8	
**************************************	Flare Inlet (418)	1.29	1.31	1.30	0.77	
Ethyl mercaptan	Flare Inlet (192)	<0.2	<0.2	-	***	
	Flare Inlet (418)	<0.2	<0.2			
Dimethyl sulfide	Flare Inlet (192)	0.98	0.97	0.98	0.51	
	Flare Inlet (418)	0.93	0.97	0.95	2.1	
Carbon disulfide	Flare Inlet (192)	0.26	0.25	0.26	2.7	
	Flare Inlet (418)	0.25	0.26	0.26	2.0	
i-Propyl mercaptan	Flare Inlet (192)	1.85	1.81	1.83	0.96	
	Flare Inlet (418)	1.83	1.90	1.87	1.9	
t-Butyl mercaptan	Flare Inlet (192)	<0.2	<0.2			
	Flare Inlet (418)	<0.2	<0.2	(marco		
n-Propyl mercaptan	Flare Inlet (192)	<0.2	<0.2	-4-	444	
	Flare Inlet (418)	<0.2	<0.2			
s-Butyl mercaptan	Flare Inlet (192)	1.48	1.46	1.47	0.84	
CONTRACTOR	Flare Inlet (418)	1.46	1.50	1.48	1.4	
i-Butyl mercaptan	Flare Inlet (192)	<0.2	< 0.2		1444	
	Flare Inlet (418)	<0.2	<0.2	700	-	
Dimethyl disulfide	Flare Inlet (192)	<0.2	<0.2	رمودر	-	
	Flare Inlet (418)	<0.2	<0.2	777		
Tetrahydrothiophene	Flare Inlet (192)	<0.2	<0.2		777	
44.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	Flare Inlet (418)	< 0.2	<0.2			

Two Silco canister samples, laboratory numbers 21740-(1 & 2), were analyzed for total reduced sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". The average % difference from mean for 14 repeat measurements from two Silco canister samples is 1.3%.





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LABORATORY ANALYSIS REPORT

Total Gaseous Non-Methane Organics (TGNMO) and CO Analysis in SUMMA Canister

Report Date: July 6, 2020

Client: SCS Engineers

Site: John Smith Landfill

Project No.: Not Given Sample Location: Flare Inlet

Date Received: June 22, 2020 Date Analyzed: June 22, 2020

ANALYSIS DESCRIPTION

Total gaseous non-methane organics (TGNMO) and CO were determined using flame ionization/dectection total combustion anlaysis (FID/TCA) M25.

		Carbon	
AtmAA Lab No.	Sample ID	Monoxide	TGNMO
	Flare Inlet	(Concentration	on in ppmv,C)
21740-1	Flare Inlet SUMMA (192)	22.0	2790
21740-2	Flare Inlet SUMMA (418)	19.9	2750

TGNMO is total gaseous non-methane organics (excluding ethane), reported as ppmvC.

Michael S. Porter Senior Analyst

QUALITY ASSURANCE SUMMARY (Repeat Analyses)

Sample Location: Flare Inlet
Date Received: June 22, 2020
Date Analyzed: June 22, 2020

	Sample	Repeat	Analysis	Mean	% Diff.
	ID	Run #1	Run #2	Conc.	From Mean
Components	- 71	(Conce	entration in p	omv,C)	
Carbon monoxide	Flare Inlet SUMMA (192)	22.9	21.0	22.0	4.3
		19.9	20.0	19.9	0,23
TGNMO	Flare Inlet SUMMA (192)	2780	2790	2790	0.23
		2730	2770	2750	0.65

Two SUMMA canister samples, laboratory numbers 21740-(1 - 2), were analyzed for TGNMO and methane. Agreement between repeat analyses is a measure of precision and is shown in the column "% Difference from Mean". The average % Difference from mean for 4 repeat measurements from 2 SUMMA canister samples is 1.4%.



	CHAIN OF CUSTODY RECORD												
Client/Project Name		Project Loc	cation	1 /	. 11	ANALYSES REQUESTED							
Johnsonith	Land Kill	John Smith Land Kill			/	_ /	/	/ ری/		(,)			
Project No.		Field Logb	ook No.		··················	/	/		/	idip	U	NAOCCO	
-						/ .	_ /			10	c0/<	Nº CAD	
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SIR.			,			×°,		/	K K	10/2/2 10/2/2	7 / 7	NA CO	
Sample No.	Type of	AtmA	A Lab	Sampling	Sampling	/ X		1.6	$/ \times_{k}$.\'*\	JON.		
Identification	Sample		nber	Date	Time	<u> </u>		/ X	\ k\(\rangle)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	/ ^(X)	Special F	Remarks
Flare Inlet	Grab	21740	n/	6-17-20	11:20An	\prec	\prec	7	\forall	×	/	CANE C	0192
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Street Address			Stre	et Address				239	17 Crafi	tsman R	ld.		
City/State/Zip: City/State/Zip:					Cala	abasas,	, CA 91:	302	// (
Telephone No.:			Projec	ct Manager:				TEL	.: (818)	223-32	77		
Fax No.:			Ema	il Address:				FAX	(: (818)	223-82	50		

John Smith Road Landfill - DEIR ATTACHMENT C

Criteria Pollutants - Flare Analyses and Proposed Project Projections

Table C1 CURRENT (2020) ANALYSES

From JSRL Flare Stack Test:

Flow 573 DSCFM @ 38.2% methane = 438 cfm @ 50% methane

NOx 9.1 lb/day

Calculated N₂O 0.06050 Mt/yr From table C4

SO2 39.2 lb/day VOC inlet 966.7 ppm VOC inlet 1.382 lb/hr VOC Destruction 99.22% VOC outlet <0.11 lb/hr VOC outlet <2.64 lb/day CO <0.48 lb/day CH. Inlet 38.2 % CH4 destruction >99 998 % 545.7 lb/hr CH₄ Outlet

Estimated based on 2020 Flare Stack Test Data from Tehama Landfill

Tehama Flow

PM10 0.0007 gr/DSCF PM10 0.0000001 lb/DSCF $PM10 \sim$ 0.08 lb/day @ 573 dscfm

DSCF = Dry Standard Cubic Foot

gr/DSCF = Grains per Dry Standard Cubic Foot

7000 grains = 1 lb

ACFM = Actual Cubic Foot per Minute

Note ACFM ~ 101.5% of DSCFM

Table C2 BASELINE FLOW CURRENT PROJECT

Current project modeled peak flow at 50% methane 594 DSCFM Year Current Operation Peak Flow from 80% of LandGEM 475 DSCFM 2021

Ratio of Future Flow to Current Flow (At 50% methane) 1.09

Future Criteria Pollutants by ratio:

9.88 lb/day NOx SO2 42.55 lb/day VOC outlet <2.96 lb/day <0.54 lb/day CO PM10~ 0.09 lb/day

119 CFM Fugitive emissions 20% of LandGEM VOC from above 1.382 lb/hr @ 573 DSCFM

Ratio of analyzed flow to estimated fugitive emissions

VOC x ratio 0.29 lb/hr VOC in lb/day 6.88 lb/day

Table C3 PROJECTED FOR PEAK PROPOSED PROJECT (2071) - Assuming All LFG is flared

Percent Collection Efficiency 90% 95% 98% Peak projected total flow at 50% methane in 2071 2,449 2,449 2,449 2,449 2,449 1709 CFM From CEC Consultants Project Peak Flare for each % Collection Efficiency 1 959 2 204 2 327 1.675 DSCFM 2.082 2 400 Ratio of Future Flow to Current Flow through flare (at 50% methane) 4.48 4.76 5.03 5.31 5.48 3.83 Future Criteria Pollutants by ratio: NOx 40.73 43.27 45.82 48.36 49.89 34.81 lb/day SO_2 175.44 186.40 197.36 208.33 214.91 149.97 lb/day VOC outlet <9.59 <11.08 <11.08 lb/day < 9.03 <10.15 <10.72 <2.27 lb/day <1.85 <1.96 CO <2.08 <2.20 <2.27 PM10~ 0.37 0.39 0.42 0.44 0.45 0.32 lb/day Fugitive emissions of LandGEM 490 367 245 122 49 34 CFM VOC inlet from above 1.382 lb/hr @ 573 573 573 573 573 573 DSCFM

0.21

80%

85%

Ratio of analyzed flow to estimated fugitive emissions 0.85 0.64 0.43 0.21 0.09 0.06 VOC x ratio 1.18 0.89 0.59 0.30 0.12 0.08 lb/hr VOC in lb/day 1.98 lb/day 28.35 21.26 14.18

Source Test Report

COUNTY OF SAN BENITO JOHN SMITH ROAD LANDFILL Hollister, CA

Landfill Gas Flare NOx, CO, SOx, CH₄ & VOC Emission Results Permit #GNR-0017463

Test Date: February 12, 2020 Report Date: March 6, 2020

Performed and Reported by:

BEST ENVIRONMENTAL 339 Stealth Court Livermore, CA 94551 Phone: (925) 455-9474 Fax: (925) 455-9479

Prepared For:

The John Smith Road Landfill 2650 John Smith Road Hollister, CA 95023 Attn: Chris Nottenkamper

For Submittal To:

Monterey Bay Air Resources District 24580 Silver Cloud Court Monterey, CA 93940

REVIEW AND CERTIFICATION

Team Leader:

The work performed herein was conducted under my supervision, and I certify that the details and results contained within this report are to the best of my knowledge an authentic and accurate representation of the test program. If this report is submitted for compliance purposes it should only be reproduced in its entirety. If there are any questions concerning this report, please call the Team Leader or Reviewer at (925) 455-9474.

William Johnston

Project Manager

Reviewer:

I have reviewed this report for presentation and accuracy of content, and hereby certify that to the best of my knowledge the information is complete and correct.

Basim (Bobby) Asfour

Principal

Source Test Information

Source Owner: County of San Benito

Source Location: County of San Benito

Integrated Waste Management Department

3220 Southside Road Hollister, CA 95023

Attn: Chris Nottenkamper

Source Description: Landfill Gas Flare

PTO Number: GNR-0017463

Test Parameters: O₂, VOC, NO_x and CO

Emission Limits:Emission Results:NOx: 0.06 lb/MMBtu0.03 lb/MMBtuCO: 0.40 lb/MMBtu<0.002 lb/MMBtu</td>VOC: 0.03 lb/MMBtu<0.0009 lb/MMBtu</td>

THC: 98% DRE >99.22 DRE

Methane: 99% DRE >99.99 DRE

SO₂, ppm: 2,000 ppm 36 ppm

Source Testing Firm: BEST ENVIRONMENTAL

339 Stealth Court Livermore, CA 94551 Phone (925) 455-9474 Fax (925) 455-9479

Contact: Regan Best or Bobby Asfour

Test Date: February 12, 2020

Analytical Laboratories: BEST ENVIRONMENTAL

339 Stealth Court Livermore, CA 94551 Phone (925) 455-9474 Fax (925) 455-9479

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SECTION 1. INTRODUCTION

1.1. Test Purpose

Best Environmental (BE) was contracted by the County of San Benito, Integrated Waste Management Department to perform NOx, CO, SOx, THC, CH₄ & VOC emissions testing on one landfill gas fired flare. The purpose of the test was to demonstrate compliance with Monterey Bay Air Resources District (MBARD) and the Title V Permit to Operate (PTO) # GNR-0017463. A copy of the permit is included in the appendices.

1.2. Test Location

The test was conducted Landfill Gas Fired Flare which is located at the John Smith Road Landfill, 2650 John Smith Road, Hollister, California.

1.3. Test Date

The test was conducted on February 12, 2020.

1.4. Allowable Emissions

See Table 2.1 located in Section 2 Summary of Results. The test results show that the flare is with-in the emission limits shown in the Permit to Operate.

1.5. Test Parameters and Methods

The following emission parameters were measured.

Parameter	Methods
NOx, CO & O ₂	EPA Methods 7E, 10 & 3A
Inlet & Outlet THC, CH ₄ & VOC	EPA Method 18
Exhaust Volumetric Flow Rate	EPA Method 19
Fuel BTU & F-factor (HHV)	ASTM D-1945/3588
Fuel Total Sulfur as H ₂ S	EPA Method 15

1.6. Sampling and Observing Personnel

Sampling was performed by William Johnston and Burt Kusich of BE. Sandy Hartunian from MBARD was present to witness the test.

1.7. Important Background Information

The previous source test was performed on February 7, 2019 demonstrating compliance. A source test is required annually.

SECTION 2. SUMMARY OF RESULTS

2.1. Emission Results

Table 2.1 summarizes the Average Outlet Test Results. Triplicate 30-minute runs were performed for all test parameters. A full summary of the test results is presented in Table 1 on page 7. The test was conducted according to approved EPA test methods.

Table 2.1: Average Outlet Test Results
Flare
Permit GNR-0017463

Parameter	Flare Average	Allowable Emissions
NOx, lbs/MMBtu	0.0289	0.06
CO, lbs/MMBtu	< 0.0015	0.40
VOC, lbs/MMBtu as methane	< 0.0009	0.03
CH ₄ , DRE	>99.99%	≥99%
THC, DRE	>99.22%	≥98%
Outlet SO ₂ , ppm (calculated)	35.65	2000

2.2. Process Data

The temperature and fuel rate of the flare was recorded manually during each run. The following table presents the Operating Parameters recorded during each run.

Table 2.2: Operating Parameters

Parameter	Fuel Flow Meter, SCFM	Flare Temp., °F
Run # 1	573	1,604
Run # 2	570	1,598
Run # 3	577	1,600

2.3. Comments: Discussion of Quality Assurance and Errors

Quality assurance procedures listed in the above referenced test methods and referenced in the Source Test Plan are performed and documented. The QA/QC procedures are described in Section 4.3 of the report.

VOC is assumed equal to total non-methane/non-ethane hydrocarbons. The results are reported as methane. For reporting purposes THC is equal to VOC.

Exhaust SOx emissions were calculated using mass balance calculations based on the measured inlet total sulfur content as allowed by EPA Method 19.

SECTION 3. SOURCE OPERATION

3.1. Process Description

The County of San Benito operates one landfill gas fired flare at the John Smith Road Landfill. The flare is a control device for the treatment of landfill gas (mainly methane, carbon dioxide and nitrogen) that is generated from the decomposition of waste. The gas is collected in a network of interconnected pipes from several extraction wells that draw a vacuum on the vapors in the landfill. The vapors are treated to remove condensate and particulate material, and then they are incinerated in the flare. The flare operates 24 hours per day.

3.2. Flow Diagram

A digital image of the flare stack is contained in Appendix F.

3.3. Process and Control Operating Parameters

The flare was operated at an average of 1,601°F and at an average fuel rate of 573 SCFM according to the flare's monitoring devices.

3.4. Operating Parameters

The flare was operating normally during the test.

3.5. Testing or Process Interruptions and Changes

No process interruptions occurred during the testing.

SECTION 4. SAMPLING AND ANALYSIS PROCEDURES

4.1. Port Location

Emissions from the flare were sampled via ports located on the round stack approximately 5 stack diameters downstream of the burners and 1 stack diameter upstream from the exit. Access to the sampling ports was provided by a ladder.

The dimensional cross-sections of the stack is 72 inches (Area SQFT = 28.274)

The fuel line to the flare is a 12-inch PVC pipe with an inside diameter of \sim 11.75 inches (Area SQFT = 0.753). A single port/tap was located directly on the flame arrestor.

4.2. Point Description

A three-point traverse of the stack was conducted prior to Run 1. The average Oxygen concentration at each traverse point was less than 0.3% from the average. Based on the $O_2\%$ concentrations, the gas stream is considered unstratified and single point sampling was conducted (Basis: EPA Method 7E section 8.1.2 and Method 3A, section 8.1).

4.3. Method Description, Equipment, Sampling, Analysis and QA/QC

Sampling and analytical procedures of the EPA Methods are followed as published in the "Quality Assurance Handbook for Air Pollution Measurement Systems" Volume III, US EPA 600/4-77-027b.

Parameter	Location	Methods	Duration	# of Runs
NO _x , CO & O ₂	Exhaust	EPA Methods 7E, 10 & 3A	30 mins	3
THC, CH ₄ , VOC	Exhaust	EPA Method 18	30 mins	3
Flow Rate, DSCFM	Exhaust	EPA Method 19	30 mins	3
THC, CH ₄ , VOC	Inlet	EPA Method 18	30 mins	3
Gas High Heating Values (HHV) and Fixed Gases	Inlet	ASTM D-1945 & 3588	N.A.	3
Total Sulfur as H ₂ S	Inlet	EPA Method 15	N.A.	3

The following is an overview of the Testing Performed

EPA Method 7E, 10 & 3A are all continuous monitoring techniques using instrumental analyzers. Sampling is performed by extracting exhaust flue gas from the stack, conditioning the sample and analyzing the flue gas using continuous monitoring gas analyzers in a CEM test van. The sampling system consists of a stainless-steel sample probe, Teflon sample line, glass-fiber particulate filter, glass moisture-knockout condensers in ice, Teflon sample transfer tubing, diaphragm pump and a stainless steel/Teflon manifold and flow control/delivery system. A constant sample and calibration gas supply pressure of 5 PSI is provided to each analyzer to avoid pressure variable response differences. The entire sampling system is leak checked prior to and at the end of the sampling program.

The BE sampling and analytical system is checked for linearity with zero, mid and high level span calibration gases, and is checked for system bias at the beginning of the test day. System bias is determined by pulling calibration gas through the entire sampling system. Individual test run calibrations uses the calibration gas, which most closely matches the stack gas effluent. The calibration gases are selected to fall approximately within the following instrument ranges; 80 to 95 percent for the high calibration, 40 to 60 percent for the mid range and zero. Bias zero and calibration drift values are determined for each test run. All BE calibration gases are EPA Protocol 1. The analyzer data recording system consists of multi-channel strip chart recorders, which is supported by BE's Computer Data Acquisition System (DAS). The NO₂ converter was checked and confirmed to be > 90% efficient.

EPA Methods 7E, 10 & 3A met the following criteria:

System Criteria

Instrument Linearity $\pm 2\%$ Calibration Span or 0.5 difference Instrument Bias $\pm 5\%$ Calibration Span or 0.5 difference

Calibration Gas $\pm 2\%$ Value

NO₂ converter efficiency >90%

Test Criteria

Instrument Zero Drift $\pm 3\%$ Calibration Span or 0.5 difference Instrument Span Drift $\pm 3\%$ Calibration Span or 0.5 difference

The following continuous monitoring analyzers were used:

<u>Parameter</u>	<u>Make</u>	<u>Model</u>	<u>Principle</u>
NO_x	CAI	600CLD	Chemiluminescence
CO	TECO	48i	GFC IR analyzer
O_2	CAI	110P	Paramagnetic

EPA Method 18 is used to determine carbon speciated hydrocarbons (C_1 , C_2 & C_3+) emissions by gas chromatograph / Flame Ionization Detection (GC/FID). Gaseous emissions are drawn through a Teflon sample line to a tedlar bag located in a rigid leak proof bag container. Sample is drawn into the bag by evacuating the container to stack gas pressure to allow sample flow without using a pump to avoid contamination. Negative pressure is adjusted to maintain an integrated sample flow between 20 to 60 minutes. The bag samples are taken to a laboratory and analyzed within 72 hours. The results are reported as methane with a detection limit of 1 ppm for non-methane organic compounds (C_3+).

EPA Method 19 is used to determine stack gas volumetric flow rates using oxygen based F-factors. F-factors are ratios of combustion gas volumes generated from heat input. The heating value of the fuel in Btu per cubic foot is determined from the analysis of fuel gas samples using gas chromatography (GC). Dedicated fuel meters monitor total fuel consumption for the source. The total cubic feet per hour of fuel multiplied times the Btu/CF provides million Btu per hour (MMBTU) heat input. The heat input in MMBTU/hr is multiplied by the F-factor (DSCF/MMBTU) and adjusted for the measured oxygen content of the source to determine volumetric flow rate. This

procedure is proposed for pollutants whose compliance standards are based on emission rates (lb/day) or emission factors (lb/MMBtu).

Hydrogen Sulfide by EPA Method 15 (modified). Fuel sample(s) are collected in Tedlar® bag(s) under pressure from the source (without any contact with stainless steel components). The sample is shipped to a laboratory and analyzed within 24 hrs for H₂S using a gas chromatography/flame photometric detector. Analysis was performed in-house at the BE laboratory

EPA Method ASTM D-1945 & D-3588 analysis is used to determine the contents of fuel gas (e.g. Methane, fixed gases, BTU Content & total sulfur as H₂S). Inlet gases are filled into a tedlar bag, the bag is labeled respectively then sent to a Laboratory and analyzed for total sulfur, fixed gases, methane and C₁-C₆ using GC/TCD (gas chromatography/thermoconductivity detector & Oxidative Microcoulometry). Each compound has calorific values that are used to calculate the combustion factors.

4.4. Analytical Laboratories

Inlet and outlet bag samples were analyzed by BE for VOC and CH₄, fuel characterization and sulfur analysis.

For more information on the analysis procedure and QA/QC refer to Appendix C.

TABLE #1 John Smith Landfill Flare

NOx, CO, CH₄, VOC & SOx Test Results **Permit GNR-0017463**

TEST	1	2	3	AVERAGE	LIMIT
Test Date	2/12/20	2/12/20	2/12/20		
Test Time	930-1000	1009-1039	1049-1119		
Standard Temp., °F	68	68	68		
Pro	cess Parame	eters			
Flare Temp., °F	1,604	1,598	1,600	1,601	
Fuel F-Factor, DSCF/MMBtu	10,227	10,072	10,190	10,163	
Inlet Methane (CH ₄) Content, %	37.70	38.50	38.40	38.20	
Inlet Fuel Flow Rate, DSCFM	573	570	577	573	
Heat Input, MMBtu/hr	12.93	13.10	13.26	13.09	22.93
	Outlet				
Outlet Flow Rate, DSCFM (M19)	4,554	4,552	4,655	4,587	
O ₂ , %	10.79	10.80	10.78	10.79	
NOx, ppm	11.13	11.73	11.78	11.54	
NOx, lbs/hr	0.36	0.38	0.39	0.38	
NOx, lbs/day	8.71	9.18	9.42	9.10	
NOx, lbs/MMBtu	0.0280	0.0291	0.0295	0.0289	0.06
NOx, lbs/MMCF	10.56	11.18	11.34	11.03	
CO, ppm	<1.0	<1.0	<1.0	<1.0	
CO, lbs/hr	< 0.0199	< 0.0198	< 0.0203	< 0.0200	
CO, lbs/day	< 0.48	< 0.48	< 0.49	< 0.48	
CO, lbs/MMBtu	< 0.0015	< 0.0015	< 0.0015	< 0.0015	0.40
CO, lbs/MMCF	< 0.58	< 0.58	< 0.59	< 0.58	
SO2, ppm (Calculated)	30.07	37.06	39.83	35.65	2000
SO2, lb/hr	1.36	1.68	1.85	1.63	
SO2, lb/day	32.8	40.3	44.3	39.2	
CH ₄ , ppm	<1.0	<1.0	<1.0	<1.0	
CH ₄ , lbs/hr	< 0.011	< 0.011	< 0.012	< 0.011	
VOC, ppm as methane	<1.0	<1.0	<1.0	<1.0	
VOC, lbs/hr	< 0.011	< 0.010	< 0.010	< 0.011	
VOC, lbs/MMBtu as methane	< 0.0009	< 0.0009	< 0.0009	< 0.0009	0.03
VOC, lbs/MMCF	< 0.33	< 0.30	< 0.30	< 0.31	
	Inlet				
Inlet CH ₄ , ppm	377,000	385,000	384,000	382,000	
Inlet CH ₄ , lbs/hr	538.3	546.8	552.1	545.7	
Inlet VOC, ppm as methane	968.5	862.8	1,068.8	966.7	
Inlet VOC, lbs/hr	1.383	1.225	1.537	1.382	
	Efficiency				
VOC, Destruction Efficiency %	>99.18%	99.17%	>99.32%	>99.22%	99%
CH ₄ , Destruction Efficiency %	>99.998%	>99.998%	>99.998%	>99.998%	98%
	Gas Sulfur	Content			
Inlet Total Sulfur as H ₂ S, gr/100dscf	14.12	17.49	18.99	16.87	50
Inlet Total Sulfur as H ₂ S, ppm	238.97	295.92	321.31	285.40	
Inlet Total Sulfur as SO ₂ , lbs/hr	1.365	1.681	1.848	1.63	
SO2, ppm (Calculated)	30.07	37.06	39.83	35.65	

WHERE:

DSCFM = Dry Standard Cubic Feet Per Minute

ppm = Parts Per Million Concentration

lbs/hr = Pound Per Hour Emission Rate

lbs/MMBtu = Pounds per million BTU

 $H_2S = Hydrogen Sulfide (M.W. = 32)$

 $SO_2 = Sulfur Dioxide (MW = 64)$

CO = Carbon Monoxide (MW = 28)

NOx = Oxides of Nitrogen as NO₂ (MW = 46)

VOC = Total Non-Methane Hydrocarbons as Methane-C1 (MW = 16) CH₄

CALCULATIONS:

 $VOC ppm = THC ppm - CH_4 ppm$

 $lbs/hr = ppm * DSCFM * MW *60 / 379 x 10^6 (@60°F)$

lbs/hr (SOx)= ppm as $H_2S * DSCFM (inlet) * MW * 60 / 379 x <math>10^6 (@60^{\circ}F)$

Removal Efficiency = (inlet lbs/hr-outlet lbs/hr) / Inlet lbs/hr

lbs/MMBtu = Fd * M.W.* ppm * $2.59E-9 * (20.9/(20.9-\%O_2))$

 SO_2 ppm (outlet) = lbs/hr / (DSCFM * M.W. * 60) * 385E6

lbs/MMCF = (lbs/hr * 1,000,000) / (Fuel SCFM * 60)

Tehama County / Red Bluff Landfill

Tehama County APCD Title V Permit # TV00239

Compliance Emissions Test Report #20320

14 MMBtu/hr Enclosed Ground Flare

Located at:

Tehama County / Red Bluff Landfill

UTM Zone 10: East 560.151, North 4,449.670

Prepared For:

Green Waste of Tehama,

A Waste Connections Company 19995 Plymire Road

Red Bluff, CA 96080

Attn: John Heath john.heath@wasteconnections.com

For Submittal To:

Tehama County APCD

1834 Walnut Street (P.O. Box 1169) Red Bluff, CA 96080

Attn: Joseph Tona jtona@tehcoapcd.net

Testing Performed On:

November 16th, 2020

Final Report Submitted On: **December 30**th, **2020**

Performed and Reported by: Blue Sky Environmental, Inc.

624 San Gabriel Avenue Albany, CA 94706

bluesky@blueskyenvironmental.com Office (510) 525 1261 / Cell (510) 508 3469



Blue Sky Environmental, Inc 624 San Gabriel Avenue Albany, CA 94706

Office (510) 525 1261 Cell (510) 508 3469 bluesky@blueskyenvironmental.com

December 30th, 2020

Tehama County APCD 1834 Walnut Street P.O. Box 1169 Red Bluff, CA 96080

Attn: Joseph Tona

Subject: Compliance emissions test report for Tehama County/ Red Bluff Landfill's landfill gas flare, located at East 560.151, North 4,449.670. Tehama County APCD Permit #TV00239.

Test Date(s): Testing was performed on November 16th, 2020

<u>Sampling Location:</u> Sampling was conducted at the 28-foot exhaust stack of the flare through two 4-inch that were accessible by scissor-lift. The ports met the EPA Method 1 minimum criteria of 2 diameters downstream from the nearest disturbance and 0.5 stack diameters upstream from the nearest disturbance or exhaust. Blue Sky Environmental performed a 12-point traverse of the 63-inch diameter stack.

<u>Sampling Personnel:</u> Sampling was performed by Chuck Arrivas and Wes Alder, representing Blue Sky Environmental, Inc.

<u>Observing Personnel</u>: The Tehama County APCD was notified of the upcoming testing in a source test plan submitted on October 15th, 2020 and approved on November 3rd, 2020. No agency observers from the Tehama County APCD were present during testing.

Process Description: The 159.6-acre landfill site operates a 14 MMBtu/hr LFG&E International Triton GF-500 enclosed ground flare and landfill gas collection system to burn landfill gas generated in the landfill. The flare temperature set-point is 1,500°F. The recorded temperature is an average of the lower thermocouple. The landfill gas fuel flow and flare temperature are continuously monitored and recorded.

<u>Test Program</u>: This source test on the site's landfill gas flare to evaluate emission rates and destruction efficiency of filterable particulate matter (FPM), non-methane hydrocarbons (NMHC), NO_X and CO, and determine compliance with Tehama County APCD permit #TV00239.

Three consecutive 30-minute gaseous emissions tests were performed for oxides of nitrogen (NO_X), carbon monoxide (CO), carbon dioxide (CO₂), and oxygen (O₂) at the exhaust stack on the unit. Volumetric flow rate was calculated using Method 19. The sampling system was checked for leaks before the start of testing. Analyzer external calibrations were performed before and after each run using EPA protocol certified gas standards. Calibration gases were introduced to the sample manifold at the same flow rate as the sample. A NOx analyzer converter efficiency check was performed before the first test run and found to be greater than 90%.



Three sixty-minute test runs were performed for particulates at the exhaust stack of the flare. Backhalf condensable particulate fractions were also collected but were not part of the permit emission limit.

<u>Sampling and Analysis Methods</u>: The following U.S. Environmental Agency (EPA) and ASTM International sampling and analytical methods were used:

EPA Method 3A O₂ and CO₂

EPA Method 10 CO EPA Method 7E NO_X

ASTM 5504 Sulfur Species in LFG

ASTM 1945/3588 Gas analysis for BTU and F-Factors

EPA Methods 1-5 Particulate, Moisture and Stack Flow rate.

EPA Method 19 Stack Flow Rate

EPA Method 1 – Sample and Velocity Traverses for Stationary Sources

This method is used to determine the duct or stack area and appropriate traverse points that represent equal areas of the duct for sampling and velocity measurements.

EPA Method 2 – Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube)

This method is used to determine stack gas velocity and volumetric flow rate using a standard or S-type pitot tube and inclined manometer. Temperature is monitored using a K-type thermocouple and calibrated Omega temperature meter. <u>QA/QC</u> procedures include a system leak check before and after each traverse to validate the results. Thermometer calibrations are performed using an Omega Model CL-300 calibrator. Geometric calibrations of S-type pitot tubes are performed every six months or according to the guidelines outlined in California Air Resources Board (CARB) QA/QC Volume VI, Table 3.

EPA Method 4 – Determination of Moisture Content in Stack Gas

This method is used to determine the moisture content of stack gas. The sample is extracted and condensed in Greenburg-Smith impingers immersed in an ice bath and in a final impinger silica gel trap. The moisture is condensed in a solution of de-ionized water, or solutions of another type of sampling train if the moisture is being determined as part of another sampling method, such as EPA Method 5 or EPA 12. The moisture gain in the impinger solutions and silica gel is determined volumetrically and gravimetrically respectively. QA/QC procedures require that a minimum of 21 cubic feet of sample is pulled using a leak tight pump. The sample volume is measured with a calibrated dry gas meter. The impingers are immersed in an ice bath to maintain a gas outlet temperature of less than 68°F. Pre-test leak checks are performed for each run using a minimum 15 inches of mercury vacuum. Post-test leak checks are performed at the highest sample vacuum or greater. The leak test is acceptable if the leak rate is less than 0.02 cubic feet per minute or 4% of the average sampling rate, whichever is less. If the final leak check exceeds the criteria, either the volume is corrected based on the leak rate or the run is voided and repeated.

EPA Method 3A – Determination of Oxygen and Carbon Dioxide Concentrations in Emissions from Stationary Sources (Instrumental Analyzer Procedure)

This method is used to measure oxygen and carbon dioxide in stationary source emissions using a continuous instrumental analyzer to determine the molecular weight of the stack gas.



EPA Method 7E – Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure)

This method is used to measure nitrogen oxides in stationary source emissions using a continuous instrumental analyzer. Section 16.2.2 of the method is used to determine the NO_X analyzer NO₂ to NO conversion efficiency.

EPA Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources

This method is used to measure carbon monoxide from integrated or continuous gas samples extracted from a sampling point.

EPA Methods 3A, 7E and 10 are all continuous monitoring techniques using instrumental analyzers. Sampling is performed by extracting exhaust flue gas from the stack, conditioning the sample, and analyzing it by continuous monitoring gas analyzers in a continuing emissions monitoring (CEM) test van. The sampling system consists of a stainless steel sample probe, Teflon sample line, glass-fiber particulate filter, and glass moisture-knockout condensers in ice, followed by thermoelectric coolers (optional), Teflon sample transfer tubing, a diaphragm pump, and a stainless steel/Teflon manifold and flow control/delivery system. A constant sample and calibration gas supply pressure of 5 PSI is provided to each analyzer to avoid pressure variable response differences. The entire sampling system is leak checked prior to and at the end of the sampling program.

The sampling and analytical system is checked for linearity with zero, mid (40-60%) and high span (80-100%) calibrations and is checked for system bias at the beginning and end of each run. System bias is determined by introducing calibration gas to the probe and pulling it through the entire sampling system. Individual test run calibrations use the calibration gas that most closely matches the stack gas effluent. All calibrations during testing are performed externally to incorporate any system bias that may exist. Sampling system bias, zero and calibration drift values are determined for each test. EPA Methods 3A, 7E and 10 all defer to EPA Method 7E for the calculations of effluent concentration, span, calibration gas, analyzer calibration error (linearity), sampling system bias, zero drift, calibration drift and response time.

All calibration gases are EPA Protocol #1. The analyzer data recording system consists of a Honeywell DRP3000 strip chart recorder supported by a Data Acquisition System (DAS).

EPA Method 19 – Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxide Emission Rates

This method is used to determine stack gas volumetric flow rates using oxygen-based F-factors. F-factors are ratios of combustion gas volumes to heat inputs. The heating value of the fuel in Btu per cubic foot is determined from the facility monitors Gross Calorific Value (GCV) or WOBBE. Fixed gas values are entered to calculate a matching WOBBE/GCV value. This generates the Fd-factor used in the Method 19 calculations to calculate mass emission rates, which are not required by the facility permit. Total fuel consumption is measured and recorded by the facility. The flow rates are used to determine emission rates.

EPA Method 5 – Determination of Particulate Matter Emissions from Stationary Sources

This method is used to determine the filterable particulate emissions. The sampling equipment consists of a stainless steel or glass nozzle, a heated probe, heated filter box and filter holder with 90mm glass fiber filter, followed by a Teflon line and umbilical to four Greenburg-Smith impingers, a pump and a meter control module. Filterable particulate is determined gravimetrically from the probe/nozzle acetone rinse and filter, following evaporation and desiccation of these fractions. The first two impingers contain 100ml of de-ionized water each, a third short stem impinger is left empty

and the fourth impinger contains silica gel desiccant to dry the gas before the pump and gas meter. Moisture is condensed in the solution of de-ionized water and absorbed in the silica gel. The moisture gain in the impinger solutions and silica gel is determined volumetrically and gravimetrically respectively.

Sampling QA/QC: consists of pitot leak checks performed by pressurizing each leg of the pitot separately to a pressure greater than 3 inches of H₂O. The leak check is passed when no movement in the manometer fluid occurs over 15 seconds. Sampling system leak checks are performed before and after each test run. The sampling system leak checks are performed by capping the nozzle and pulling a vacuum greater than 15 inches of mercury and observing the meter rate. The leak check is passed when the leak rate is less than 0.02 CFM or 4% of the average sample rate, whichever is less. The final leak check is performed at a vacuum at least as high as the highest vacuum pulled during the run. The impingers are kept in ice to maintain the temperature of the gas exiting the last impinger to below 68°F. No silicone grease is used in the components of the sampling train. The dry gas meter, pitot, thermocouples, gauges, and nozzles are all calibrated according to the methods and with a frequency of between 6 to 12 months as specified in CARB QA/QC Volume VI, Table 3. Nozzles are calibrated in the field to within 0.001" diameter and are inspected for damage prior to each test. Acetone rinse blanks were collected using identical equipment, reagents, proportions, and techniques as the test samples.

ASTM D1945 – Analysis of Natural Gas by Gas Chromatography

This method is used to measure fixed gases (such as oxygen, nitrogen, carbon monoxide, and carbon dioxide) and methane by gas chromatography (GC/TCD). Light hydrocarbons, including C1-C7, are analyzed by GC/FID.

ASTM D-3588 – Standard Practice for Calculating Heat Value, Compressibility Factor, and Relative Density of Gaseous Fuels

This method uses the molar composition of gaseous fuel determined from Method ASTM D-1945 to calculate the heating value and F-factor.

ASTM D-5504 – Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence

This method is used for the determination of speciated volatile sulfur-containing compounds in high methane content gaseous fuels by gas chromatography. Sulfur compounds are processed using a flame ionization detector (GC/FID). The products are then analyzed with a sulfur chemiluminescence detector (GC/SCD). Samples may be collected in Tedlar bags and analyzed within 24 hours or in Silco SUMMA canisters and analyzed within 72 hours.

Instrumentation: The following continuous emissions analyzers were used:

Instrument	Analyte	Principle
TECO Model 42C	NO_X	Chemiluminescence
TECO Model 48C	CO	GFC/IR
Servomex Model 1440	CO_2	IR
Servomex Model 1440	O_2	Paramagnetic

<u>Test Results</u>: The flare met all compliance emission criteria. The average emission compliance test results are summarized below. Detailed results for the individual test runs are presented in Tables 1-2.

Emission Parameter	Average Results	Permit Limit
NO _x , lbs/MMBtu	0.0533	0.0744
CO, lbs/MMBtu	0.0159	1.4880
H ₂ S, lbs/day	6.5	50
SO ₂ , ppm	1.1	250
NMHC, lbs/MMBtu	0.0061	0.0744
NMHC, ppm @ 3% O ₂ as hexane	2.13	20
NMHC Removal Efficiency	>96.4%	or >98%
CH ₄ Removal Efficiency	>99.997%	>99%
Total Particulate as PM ₁₀ (gr/dscf)	0.0007	0.15



The appendices are organized as follows:

<u>Calculations</u>

All the calculations performed on the continuous emissions monitoring (CEM) data, particulate and flow rate calculations.

Laboratory Reports

All laboratory reports.

Field Data Sheets

All the CEMS data transcribed from the strip charts, and other sampling data records (i.e., Method 5).

OC Calibration Gas Certifications

Certifications for the calibration gas standards.

QC Equipment Calibrations

Calibration records for the pitots and dry gas meters.

Stack Diagram

Sketch or photograph of the stack.

Sample System Diagram

Schematic of the sampling system configuration

Permit / Authority to Construct

Permit to Operate / Authority to Construct

Source Test Plan

Sampling protocols submitted to the BAAQMD prior to testing

<u>Comments</u>: The measured emissions met the Permit required limits. No deviations from the protocol or anomalies during the test were observed.

The work performed herein was conducted under my supervision, and I certify that: a) the details and results contained within this report are to the best of my knowledge an authentic and accurate representation of the test program, b) that the sampling and analytical procedures and data presented in the report is authentic and accurate, c) that all testing details and conclusions are accurate and valid, and d) that the production rate and/or heat input rate during the source test are reported accurately.

If this report is submitted for compliance purposes it should only be reproduced in its entirety. If there are any questions concerning this report, please contact Jeramie Richardson at (810) 923-3181, Chuck Arrivas at (925) 338-4875 or Guy Worthington at (510) 508-3469.

Prepared by

Jessica Morris

Reviewed by,

Guy Worthington

Monohungton

Table #1

Red Bluff Landfill 14 MMBtu Flare 1,492°F

RUN	Run 1	Run 2	Run 3	AVERAGE	LIMITS
Test Date	11/16/20	11/16/20	11/16/20		
Test Time	1013-1045	1144-1214	1321-1351		
Standard Temp., °F	68	68	68		
Flare Temperature, °F	1,491.7	1,489.7	1,493.9	1,491.8	
Fuel Flow Rate, dscfm	252	255	257	255	
Fuel Heat Input, MMBtu/hr	6.9	7.5	6.0	6.8	
Exhaust Flow Rate, dscfm (Method 19)	3,318	3,729	2,963	3,337	
Oxygen, O ₂ , %	14.0	14.2	14.2	14.1	
Carbon Dioxide, CO ₂ , %	5.1	5.0	5.1	5.1	
Carbon Dioxide, CO ₂ , ppm	51,421	50,434	50,789	50,881	
Carbon Dioxide, CO ₂ , ppm @ 3% O ₂	132,595	134,354	134,872	133,940	
Carbon Dioxide, CO ₂ , lbs/hr	1,169	1,289	1,031	1,163	
Carbon Dioxide, CO ₂ , lbs/MMcf	1,623,299	1,641,226	1,653,405	1,639,310	
Carbon Dioxide, CO ₂ , lbs/MMBtu	169.4	171.5	172.4	171.1	
NOx, ppm	15.7	14.9	14.9	15.2	
NOx, ppm @ 3% O ₂	40.4	39.7	39.5	39.9	
NOx, lbs/hr	0.37	0.40	0.32	0.36	
NOx, lbs/MMcf	517.3	507.5	505.3	510.0	
NOx, lbs/MMBtu	0.0540	0.0530	0.0528	0.0533	0.0744
CO, ppm	5.9	8.8	7.5	7.4	
CO, ppm @ 3% O ₂	15.2	23.4	20.0	19.5	
CO, lbs/hr	0.1	0.14	0.10	0.11	
CO, lbs/MMcf	118.1	182.4	155.7	152.1	
CO, lbs/MMBtu	0.0123	0.0190	0.0163	0.0159	1.4880
Total Reduced Sulfur as H ₂ S in fuel, ppm	16.1	17.5	11.2	14.9	
H ₂ S, lbs/hr	0.3	0.3	0.2	0.3	
H ₂ S, /lb/day	6.8	8.3	4.2	6.5	50
SO ₂ , ppm calculated emission concentration	1.2	1.2	1.0	1.1	250
SO ₂ , lbs/hr	0.04	0.04	0.03	0.04	
SO ₂ , lbs/day	1.0	1.1	0.7	0.9	
THC, ppm (M18)	6.7	6.6	4.0	5.8	
THC, lbs/hr as CH ₄	0.055	0.061	0.030	0.049	
CH ₄ , ppm (M18)	0.8	1.0	1.0	0.9	
CH ₄ , lbs/hr as CH ₄	0.007	0.009	0.007	0.008	
NMHC, ppm as CH ₄	6.0	5.6	3.0	4.9	
NMHC, lbs/hr as CH ₄	0.050	0.052	0.022	0.041	
NMHC (VOC), lbs/MMBtu	0.0072	0.0069	0.0037	0.0061	0.0744
NMHC, ppm @ 3% O ₂ as hexane	2.58	2.49	1.33	2.13	<20
INLET NMHC ppm as CH ₄	2,013	1,630	1,773	1,805	
INLET NMHC ppm as hexane	335	272	295	301	or
INLET NMHC lbs/hr as CH ₄	1.26	1.04	1.13	1.14	
NMHC Removal Efficiency	>96.1%	>95.0%	>98.0%	>96.4%	>98
INLET CH ₄	457,000	491,000	388,000	445,333	
INLET CH ₄ lbs/hr as CH ₄	286.6	312.4	248.4	282.5	
CH ₄ Removal Efficiency	>99.998%	>99.997%	>99.997%	>99.997%	99

WHERE,

ppm = Parts Per Million Concentration

Lbs/hr = Pound Per Hour Emission Rate

 $Lbs/MMBtu = lbs \ per \ million \ British \ thermal \ units$

Lbs/MMCF = Pounds per million cubic feet

Tstd. = Standard Temp. (°R = °F+460)

MW = Molecular Weight

DSCFM = Dry Standard Cubic Feet Per Minute

NOx = Oxides of Nitrogen as NO₂ (MW = 46)

CO = Carbon Monoxide (MW = 28)

TOC = THC = Total Organic Carbon as Methane including CH 4 (MW = 16)

CH4 = Methane (MW = 16)

THC = Total Hydrocarbons as Methane (MW = 16)

 $\ensuremath{\mathrm{NMHC}}=\ensuremath{\mathrm{Total}}$ Non-Methane Hydrocarbons as Methane (MW = 16)

TNMHC as Hexane = Total Non-Methane Hydrocarbons as Methane $\div\,6$

 $\mathrm{SO}_2 = \mathrm{Sulfur}$ Dioxide as SO_2 (MW = 64.1)

CALCULATIONS, PPM @ 15% $O_2 = ppm * 5.9 / (20.9 - \%O_2)$

PPM @ $3\% O_2 = ppm * 17.9 / (20.9 - \%O_2)$

Lbs/hr = ppm x 8.223 E-05 x DSCFM x MW / Tstd. °R

Lbs/MMBtu = (Lbs/hr)/(MMBtu/hr)

Lbs/day = Lbs/hr * 24

Lbs/MMCF = LBs/MMBtu * "Fd" Factor @ 68 °F

Removal Efficiency = (inlet lbs/hr- outlet lbs/hr) / inlet lbs/hr

NMHC as Hexane @ $3\% O_2 = (NMHC as CH_4 / 6) * 17.9 / (20.9 - %O_2)$

SO₂ emission ppm = H₂S in fuel * Fuel Flow/Stack Gas Flow

Table #2

Tehama Red Bluff Total Particulate Results Flare

RUN#	1	2	3	AVERAGE	LIMITS
TEST DATE	11/16/20	11/16/20	11/16/20		
TEST TIME	1017-1126	1200-1306	1237-1442		
SAMPLE VOLUME (dscf)	35.538	37.333	40.186	37.7	
ISOKINETIC (%)	96.4	95.5	96.9	96.3	
DUCT TEMP., (°F)	1247.4	1249.1	1259.1	1251.9	
VELOCITY (ft/sec)	12.60	13.38	14.09	13.36	
FLOW RATE (acfm)	16,370	17,382	18,298	17,350	
FLOW RATE (dscfm)	4,489	4,761	5,053	4,767	
H ₂ O (volume %)	12.0	11.9	10.6	11.5	
O_2 (volume %)	14.0	14.3	14.2	14.2	
CO ₂ (volume %)	5.10	5.10	5.10	5.10	
Filterable Particulate (mg)	0.75	0.70	0.56	0.67	
Filterable Particulate (gr/dscf)	0.00033	0.00029	0.00021	0.00028	
Filterable Particulate (lbs/hr)	0.013	0.012	0.009	0.011	
Condensible Particulate (mg)	1.22	0.78	1.31	1.10	
Condensible Particulate (gr/dscf)	0.0005	0.0006	0.0006	0.0006	
Condensible Particulate (lbs/hr)	0.020	0.026	0.028	0.025	
Total Particulate as PM_{10} (mg)	1.97	1.48	1.87	1.77	
Total Particulate as PM ₁₀ (gr/dscf)	0.0009	0.0006	0.0007	0.0007	0.15
Total Particulate as PM ₁₀ (lbs/hr)	0.03	0.02	0.03	0.03	

WHERE

 $\begin{aligned} DSCF &= Sample \ Volume \ in \ Dry \ Standard \ Cubic \ Feet \\ DSCFM &= Dry \ Standard \ Cubic \ Feet \ per \ Minute \\ ACFM &= Actual \ Cubic \ Feet \ per \ Minute \\ H_2O, \ volume \ \% &= Stack \ gas \ percent \ water \ vapor \\ gr/DSCF &= Particulate \ concentration \ in \ grains \ per \ DSCF \\ Total \ Particulate &= Filterable \ \& \ Condensible \ Particulate \ Matter \\ Filterable \ (F/H) \\ Condensible \ (B/H) \end{aligned}$

CALCULATIONS

Lbs/hr Emission Rate = 0.00857 * gr/DSCF * DSCFM

Table D1
Emissions Reductions from Recycling

Assumptions:

Annual change projected from the California Department of Finance for San Benito County through 2060. After that, the 5 year average of 2055 through 2060 is used. https://www.dof.ca.gov/forecasting/demographics/projections/

Emissions factor from USEPA WARM Website for mixed recyclables in California.

Baseline (TPY Recycle): 83 x 2.89 MTCO2e/ton = 239.87 MTCO2e/yr

Projected Average (TPY Recycle): 97.00 x 2.89 MTCO2e/ton = 280.32 MTCO2e/yr

Average Change: $-40.45 \text{ MTCO}_2\text{e/yr}$ Baseline Recyclables: 83 tons per year

		Recyclables	Change,	
Year	Increase	Тру	Тру	MTCO2e
2021	-1.70%	81.59	-1.41	-235.79
2022	0.66%	82.13	-0.87	-237.35
2023	0.71%	82.71	-0.29	-239.03
2024	0.83%	83.40	0.40	-241.02
2025	0.82%	84.08	1.08	-242.99
2026	0.89%	84.83	1.83	-245.16
2027	0.89%	85.58	2.58	-247.34
2028	0.81%	86.28	3.28	-249.34
2029	0.87%	87.03	4.03	-251.51
2030	0.82%	87.74	4.74	-253.57
2031	0.81%	88.45	5.45	-255.63
2032	0.78%	89.14	6.14	-257.62
2033	0.77%	89.83	6.83	-259.61
2034	0.73%	90.48	7.48	-261.50
2035	0.70%	91.12	8.12	-263.33
2036	0.62%	91.68	8.68	-264.96
2037	0.57%	92.21	9.21	-266.47
2038	0.54%	92.70	9.70	-267.91
2039	0.54%	93.20	10.20	-269.36
2040	0.54%	93.71	10.71	-270.81
2041	0.43%	94.11	11.11	-271.98
2042	0.43%	94.51	11.51	-273.15
2043	0.45%	94.94	11.94	-274.38
2044	0.40%	95.32	12.32	-275.47
2045	0.42%	95.72	12.72	-276.63
2046	0.36%	96.06	13.06	-277.63
2047	0.32%	96.37	13.37	-278.52
2048	0.34%	96.70	13.70	-279.46
2049	0.31%	97.00	14.00	-280.33
2050	0.27%	97.26	14.26	-281.09
2051	0.27%	97.52	14.52	-281.84
2052	0.30%	97.82	14.82	-282.69
2053	0.30%	98.11	15.11	-283.54
2054	0.28%	98.38	15.38	-284.33
2055	0.26%	98.64	15.64	-285.07

2056	0.30%	98.94	15.94	-285.93
2057	0.24%	99.17	16.17	-286.61
2058	0.24%	99.41	16.41	-287.30
2059	0.25%	99.66	16.66	-288.02
2060	0.24%	99.90	16.90	-288.71
2061	0.25%	100.15	17.15	-289.44
2062	0.25%	100.41	17.41	-290.18
2063	0.25%	100.66	17.66	-290.92
2064	0.25%	100.92	17.92	-291.66
2065	0.25%	101.18	18.18	-292.40
2066	0.25%	101.43	18.43	-293.14
2067	0.25%	101.69	18.69	-293.88
2068	0.25%	101.95	18.95	-294.63
2069	0.25%	102.21	19.21	-295.38
2070	0.25%	102.47	19.47	-296.13
2071	0.25%	102.73	19.73	-296.88
2072	0.25%	102.99	19.99	-297.63
2073	0.25%	103.25	20.25	-298.39
2074	0.25%	103.51	20.51	-299.15
2075	0.25%	103.77	20.77	-299.91
2076	0.25%	104.04	21.04	-300.67
2077	0.25%	104.30	21.30	-301.43
2078	0.25%	104.57	21.57	-302.20
2079	0.25%	104.83	21.83	-302.97
2080	0.25%	105.10	22.10	-303.74
2081	0.25%	105.37	22.37	-304.51
2082	0.25%	105.63	22.63	-305.28
2083	0.25%	105.90	22.90	-306.06
2084	0.25%	106.17	23.17	-306.83
2085	0.25%	106.44	23.44	-307.61
2086	0.25%	106.71	23.71	-308.39
2087	0.25%	106.98	23.98	-309.18

GHG Emissions Analysis -- Summary Report

Version 15
GHG Emissions Waste Management Analysis for

Prepared by: Project Period for this Analysis: 01/00/00 to 01/00/00

Note: If you wish to save these results, rename this file (e.g., WARM-MIN1) and save it. Then the "Analysis Inputs" sheet of the "WARM" file will be blank when you are ready to make another model run.

GHG Emissions from Baseline Waste Management (MTCO2E):

0.03 GHG Emissions from Alternative Waste Management Scenario (MTCO₂E):

												Ch		
		Tons	Tons	Tons	Tons Anaerobically			Tons Source		Tons		Tons	Tons Anaerobically	
Material	Tons Recycled	Landfilled	Combusted	Composted	Digested	Total MTCO ₂ E	Material	Reduced	Tons Recycled		Tons Combusted	Composted	Digested	Total MTCO 2E
xed Recyclables		1.00	-	NA.	NA.	0.03	Mixed Recyclables	NA NA		-		NA	NA.	
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Note: a negative value (i.e., a value in parentheses) indicates an emission reduction; a positive value indicates an emission increase.

a) For explanation of methodology, see the EPA WARM Documentation:

Documentation Chapters for Greenhouse Gas Emission and Energy Factors Used in the Waste Reduction Model (WARM)

- -- available on the Internet at https://www.epa.gov/warm/documentation-chapters-greenhouse-gas-emission-and-energy-factors-used-waste-reduction-model
- b) Emissions estimates provided by this model are intended to support voluntary GHG measurement and
- The GHG emissions results estimated in WARM indicate the full life-cycle benefits waste management alternatives. Due to the timing of the GHG emissions from the waste management pathways, (e.g., avoided landfilling and increased recycling), the actual GHG implications nay accure over the long-term. Therefore, one should not interpret the GHG emissions implications as occurring all in one year, but rather through time.

Total Change in GHG Emissions (MTCQE):

(2.89)

Removing annual emissions	
from	1 Passenger Vehicles
Conserving	325 Gallons of Gasoline
Conserving	120 Cylinders of Propane Used for Home Barbeques
	0.00000% Annual \mbox{CO}_2 emissions from the U.S. transportation sector
	0.0000% Annual CO ₂ emissions from the U.S. electricity sector

John Smith Road Landfill - DEIR ATTACHMENT E

Trip Mileage Calculations for On-Road Travel

ASSUMPTIONS BASED ON AVERAGE BASELINE

Incoming Vehicular Traffic	Percentage	Trips
In-County Residential	72%	188
In County Commercial ⁵	13%	31
Out of County Commercial	15%	36
	Total	255

ASSUMPTIONS BASED ON AVERAGE PROPOSED PROJECT AS OF 2045 (Pre-Electric)

Incoming Vehicular Traffic	Percentage	Trips
In-County Residential	62%	217
In County Commercial ⁵	10%	36
Out of County Commercial	27%	95
	100%	348

ASSUMPTIONS BASED ON AVERAGE PROPOSED PROJECT AS OF 2070 (Post-Electric)

Incoming Vehicular Traffic	Percentage	Trips
In-County Residential	64%	232
In County Commercial ⁵	10%	38
Out of County Commercial	26%	94
	100%	364

IN-COUNTY BASELINE TRIP DISTANCE ESTIMATE

(based on Figures in Attachment K), one way

Location	%	Av miles	Notes
City of Hollister	95%	5.8	to City Hall Via Hillcrest
Other County (inc. SJB)	5%	36.8	to County Centroid
Weighted Average plus 1 mile		8.35	

Note: Mileage is to entrance plus one mile for both base-line and proposed project

Table E1: Current Project (Baseline) Average Trip Calculations

Origin ¹	% of Trips from Origin	Distance from Origin to Landfill ²	Total Average trips/day ³	Avg Trips by Origin/day	Avg. Commercial Trips By Origin/day	Avg. Residential Trips By Origin/day	Avg. In County Commercial Round Trip Mileage/day		Avg. Out of County Commercial Round Trip Mileage/day
SBCIWMR	85.490%	8.35	255		31	188.0	518	3,140	0
Santa Clara - San Jose	8.490%	52.1	255	21.65	21.65	0.0	0	0	2,256
Santa Clara - Gilroy	0.500%	21.2	255	1.28	1.28	0.0	0	0	54
Santa Clara - Undefined	4.590%	51.8	255	11.70	11.70	0.0	0	0	1,213
Monterey County	0.727%	32	255	1.85	1.85	0.0	0	0	119
Alameda	0.046%	85.3	255	0.12	0.12	0.0	0	0	20
Santa Cruz	0.020%	49	255	0.05	0.05	0.0	0	0	5
San Mateo	0.011%	80.5	255	0.03	0.03	0.0	0	0	5
Sacramento	0.008%	151	255	0.02	0.02	0.0	0	0	6
San Francisco	0.004%	100	255	0.01	0.01	0.0	0	0	2
San Joaquin	0.002%	111	255	0.01	0.01	0.0	0	0	1
Kern	0.001%	212	255	0.00	0.00	0.0	0	0	1
San Rafael	0.001%	113	255	0.00	0.00	0.0	0	0	1
Sonoma	0.001%	158	255	0.00	0.00	0.0	0	0	1

99.9% 37 37

Total Sum of Average Miles per Day 518 3,140 3,682

- 1. Trip origin percentage data obtained from Waste Solutions Group Data
- 2. Distance as measured from City centers (City Hall), and the geometric centers of the listed unincorporated Counties
- 3. Assuming current 4-yard average trips for 2016 though 2019 (including added trips of HHW events and employees).
- 4. The Average Increased Trips/Day is current Average Trips/day multiplied by the percent proposed trips increase
- 5. The percentage of vehicle types was obtained from Table 3 of the draft Project Description for 2016 to 2018.

Table E2: Proposed Project Average Trip Calculations as of 2045

Origin ¹	% of Trips from Origin	Distance from Origin to Landfill ²	Total Average trips/day ³	Avg Trips by Origin/day	Avg. Commercial Trips By Origin/day	Avg. Residential Trips By Origin/day	Avg. In County Commercial Round Trip Mileage/day		Avg. Out of County Commercial Round Trip Mileage/day
SBCIWMR	72.701%	8.35	348		36	217.0	601	3,624	0
Santa Clara - San Jose	15.973%	52.1	348	55.59	55.59	0.0	0	0	5,792
Sant a Clara - Gilroy	0.941%	21.2	348	3.27	3.27	0.0	0	0	139
Santa Clara - undefined	8.636%	51.8	348	30.05	30.05	0.0	0	0	3,113
Monterey County	1.368%	32	348	4.76	4.76	0.0	0	0	305
Alameda	0.087%	85.3	348	0.30	0.30	0.0	0	0	51
Santa Cruz	0.038%	49	348	0.13	0.13	0.0	0	0	13
San Mateo	0.021%	80.5	348	0.07	0.07	0.0	0	0	12
Sacramento	0.015%	151	348	0.05	0.05	0.0	0	0	16
San Francisco	0.008%	100	348	0.03	0.03	0.0	0	0	5
San Joaquin	0.004%	111	348	0.01	0.01	0.0	0	0	3
Kern	0.002%	212	348	0.01	0.01	0.0	0	0	3
San Rafael	0.002%	113	348	0.01	0.01	0.0	0	0	1
Sonoma	0.002%	158	348	0.01	0.01	0.0	0	0	2
	99.8%	50		94	94				

Total Sum of Average Miles per Day

601

3,624

9,455

- 1. Trip origin percentage data obtained from Waste Solutions Group Data
- 2. Distance as measured from City centers (City Hall), and the geometric centers of the listed unincorporated Counties
- 3. Assuming current 4-yard average trips for 2016 though 2019 (including added trips of HHW events and employees).
- 4. The Average Increased Trips/Day is current Average Trips/day multiplied by the percent proposed trips increase
- 5. The percentage of vehicle types was obtained from Table 3 of the draft Project Description for 2016 to 2018.

Table E3: Proposed Project Average Trip Calculations as of 2070

Origin ¹	% of Trips from Origin	Distance from Origin to Landfill ²	Total Average trips/day ³	Avg Trips by Origin/day	Avg. Commercial Trips By Origin/day	Avg. Residential Trips By Origin/day	Avg. In County Commercial Round Trip Mileage/day	Avg. In- County Residential Round Trip Mileage/day	Avg. Out of County Commercial Round Trip Mileage/day
SBCIWMR	74.176%	8.35	354	262.58	38	232.0	635	3,874	0
Santa Clara - San Jose	15.110%	52.1	354	53.49	53.49	0.0	0	0	5,574
Santa Clara - Gilroy	0.890%	21.2	354	3.15	3.15	0.0	0	0	134
Santa Clara - undefined	8.169%	51.8	354	28.92	28.92	0.0	0	0	2,996
Monterey County	1.294%	32	354	4.58	4.58	0.0	0	0	293
Alameda	0.082%	85.3	354	0.29	0.29	0.0	0	0	49
Santa Cruz	0.036%	49	354	0.13	0.13	0.0	0	0	12
San Mateo	0.020%	80.5	354	0.07	0.07	0.0	0	0	11
Sacramento	0.014%	151	354	0.05	0.05	0.0	0	0	15
San Francisco	0.007%	100	354	0.03	0.03	0.0	0	0	5
San Joaquin	0.004%	111	354	0.01	0.01	0.0	0	0	3
Kern	0.002%	212	354	0.01	0.01	0.0	0	0	3
San Rafael	0.002%	113	354	0.01	0.01	0.0	0	0	1
Sonoma	0.002%	158	354	0.01	0.01	0.0	0	0	2

50

Total Sum of Average Miles per Day	635	3,874	9,098

- 1. Trip origin percentage data obtained from Waste Solutions Group Data
- 2. Distance as measured from City centers (City Hall), and the geometric centers of the listed unincorporated Counties
- 3. Assuming current 4-yard average trips for 2016 though 2019 (including added trips of HHW events and employees).
- 4. The Average Increased Trips/Day is current Average Trips/day multiplied by the percent proposed trips increase
- 5. The percentage of vehicle types was obtained from Table 3 of the draft Project Description for 2016 to 2018.

Table E4 Transfer Station Alt Project Traffic Calculations - Haul to Monterey County Marina Landfill

Origin ¹	% of Trips from Origin	Distance from Origin to Monterey County Marina Landfill ²	Average trips/day ⁴	Avg Trips by Origin/day	Avg. Commercial Trips By Origin/day	Avg. In County Residential Trips By Origin/day	Avg. Commercial Trip Mileage/day	Avg. In County Residential Trip Mileage/day	Avg Out of County Commercial Trip Mileage/Day
SBCIWMR	72.701%	8.35	348	253	34	158	553	2,639	15
Santa Clara - San Jose	15.973%	61.2	348	55.59	55.59	0.0	0	0	6,804
Santa Clara - Gilroy	0.941%	21.2	348	3.27	3.27	0.0	0	0	139
Santa Clara - undefined	8.636%	60.9	348	30.05	30.05	0.0	0	0	3,660
Monterey County	1.368%	20	348	4.76	4.76	0.0	0	0	190
Alameda	0.087%	94.2	348	0.30	0.30	0.0	0	0	57
Santa Cruz	0.038%	49	348	0.13	0.13	0.0	0	0	13
San Mateo	0.021%	89.4	348	0.07	0.07	0.0	0	0	13
Sacramento	0.015%	151	348	0.05	0.05	0.0	0	0	16
San Francisco	0.008%	100	348	0.03	0.03	0.0	0	0	5
San Joaquin	0.004%	111	348	0.01	0.01	0.0	0	0	3
Kern	0.002%	212	348	0.01	0.01	0.0	0	0	3
San Rafael	0.002%	113	348	0.01	0.01	0.0	0	0	1
Sonoma	0.002%	158	348	0.01	0.01	0.0	0	0	2

58

Total Sum of Average Miles per Day	553	2,639	10,921

- 1. Waste origin percentage data obtained from CalRecycle website (https://www2.calrecycle.ca.gov/LGCentral/DisposalReporting/Origin/FacilitySummary)
- 2. Distance as measured from City centers (City Hall), and the geometric centers of the listed unincorporated Counties
- 3. Assuming projected future current 4-year average trips.
- 4. The Average Increased Trips/Day is current Average Trips/day multiplied by the percent proposed trips increase
- 5. The percentage of vehicle types was obtained from Table 3 of the draft Project Description for 2016 to 2018.

John Smith Road Landfill DEIR ATTACHMENT F

Current Setting (Base-Line) On-Road Trips and Off-Road Operations GHG Emissions Calculations

Table F1 Waste Hauling/Delivery and Operations Emissions Summary - Current Setting (Baseline)

Totals	Total CO ₂ Emissions	Total CH ₄ Emissions	Total N ₂ O Emissions	Total CO ₂ Equivalent Emissions		
A.	Waste Hauling and Oth	er Trips (On-Road) fron	1 Table F4]	
Total (lbs)/day (Table F4)	22,377	1.E+00	2.59E+00	23,176		
Total (lbs)/year	8,077,967	407	935	8,366,681	1	
Total (short tons)/year	4,039	2.E-01	5.E-01	4,183	1	
Total (metric tons)/year	3,664	2.E-01	4.E-01	3,795	Use Att U	See below.
A	On-Road and Off Road	Operations from Tables	F3 and F5			
Total (lbs)/day	7,276	2.E+00	3.46E-02	7,333	1,2	201 Math Check
Total (lbs)/year	2,626,761	663	13	2,647,066		
Total (short tons)/year	1,313	3.E-01	6.E-03	1,324	1	
Total (metric tons)/year	1,191	3.E-01	6.E-03	1,201	Use for Att U B	<mark>asel</mark> ine
	Total Waste Ha	auling and Operations (n	netric tons)/year	4,996		

Table F2 Off-Road Operations Equipment Only Emissions Summary - Current Setting (baseline)

			Total CO ₂
Totals	Total CO ₂ Emissions	Total CH ₄ Emissions	Equivalent Emissions
Total (lbs)/day (Table F3)	7,051	2	7,097
Total (lbs)/year	2,573,591	670	2,590,336
Total (short tons)/year	1,287	3.E-01	1,295
Total (metric tons)/yr	1,167	3.E-01	1,175

On-Road Emissions - Equation for Tables F4 and F5:

Annual emissions by pollutant (metric tons/year) = (emission factor (grams/miles) + deterioration product (grams/mi) (not applicable)) × annual activity (miles/year) × percentage operation in California (100%) ÷ 907,200

Off-Road Emissions - Equation for Table F3

Annual emissions by pollutant (tons/year) = (emission factor (grams/brake hp-hour) + deterioration product (grams/brake hp-hour) (not applicable)) \times horsepower (hp) \times load factor \times annual activity (hours/year) \times percentage operation in California (100%) \times 907,200 (grams/ton)

Global Warming Potential Factors

Compound	CO_2	CH ₄	N ₂ O
GWP Factors	1	25	298.00

John Smith Road Landfill Expansion

DEIR Appendix B

Page 1 of 4

Lawrence & Associates

John Smith Road Landfill DEIR ATTACHMENT F

Current Setting (Base-Line) On-Road Trips and Off-Road Operations GHG Emissions Calculations

Table F3 GHG Emissions from Off-Road Vehicles for Operations - Current Setting (Baseline)

	_	Vehicle Properties				Operation F	roperties		GHG Emission	Factors and Calculations	
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	Current Model Year	HP ³	Load Factor ⁵	Average Hours per Day ⁶	Days of Operation ⁷	GHG CO ₂ (g/bhp- hr) ¹⁰	GHG CO ₂ (lb/bhp-day) ⁹	GHG CH ₄ (g/bhp-hr) ¹⁰	GHG CH ₄ (lb/bhp-day) ⁹
Dozer	Crawler Tractors	Caterpillar D6T LGP	2015	255	0.43	8	6	568.30	1,099.03	0.12	0.23
Dozer	Crawler Tractors	Caterpillar D8T Diesel	2015	310	0.43	8	6	515.37	1,211.65	0.15	0.36
Dozer	Crawler Tractors	Caterpillar D6R Diesel	2007	200	0.43	0	6	525.24	0.00	0.15	0.00
Motor Grader (Tier 2)	Graders	Caterpillar 140G Diesel	1985	150	0.41	2	6	568.30	154.10	0.15	0.04
Wheeled Loader	Rubber Tired Loaders	Caterpillar 938M Diesel	2015	182	0.36	2	6	568.30	164.18	0.21	0.06
Trash Compactor		Caterpillar 826K Diesel	2015	426	0.38	8	6	568.30	1,622.54	0.16	0.46
Backhoe	Tractors/Loaders/Backho	Caterpillar 426C Diesel	2000	81.8	0.37	2	6	491.21	65.55	0.15	0.02
Excavator	_	John Deere 350	2001	283	0.38	6	6	568.30	808.41	0.10	0.15
Dump/Haul Truck	Off-Highway Trucks	John Deere 350D	2015	380	0.38	6	6	515.84	985.30	0.15	0.29
Truck Tipper	Other Construction Equipment	Columbia	2015	156	0.42	8	6	513.05	592.87	0.15	0.18
Street Sweeper	Other Construction Equipment	Elgin	2019	330	0.42	2	7	568.30	347.30	0.06	0.04
								Sum of Emissions:	7,050.94		1.84

John Smith Road Landfill DEIR

ATTACHMENT F

Current Setting (Base-Line) On-Road Trips and Off-Road Operations GHG Emissions Calculations

Table F4 GHG Emissions for On-Road Vehicles Waste Hauling - Current Setting (Baseline)

	Site Properties		GHG Emission Factors and Calculations						
On-Road Vehicles	Assumed Vehicle Type	Avg. Mileage from Origin to LF/day	Load Factor ⁵	Emissions Factor GHG CO ₂ (g/mile) ¹³	GHG CO ₂ (lbs/day) ⁸	Emissions Factor GHG CH ₄ (g/mile) ¹³	GHG CH ₄ (lbs/day) ⁸	Emissions Factor GHG N ₂ O (g/mile) ¹³	GHG N₂O (lbs/day) ⁸
In-County Self Haul/Residential ¹²	Light/Heavy Duty Trucks (LHD1 - Gas)	3,140	1	1,031.84	7,142	1.66E-02	1.15E-01	0.022	1.53E-01
In-County Commercial 74% Diesel ¹¹	T7-SWCV (Dsl)	383	1	1,202.32	1,015	8.06E-03	6.81E-03	0.189	1.60E-01
In-County Commercial 26% CNG	T7-SWCV (NG)	135	1	3,001.84	891	3.04E+00	9.02E-01	0.612	1.82E-01
Out of County Commercial ¹²	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	3,682	1	1,641.73	13,328	1.26E-02	1.02E-01	0.258	2.10E+00
			S	um of Emissions:	22,377		1.13E+00		2.59E+00

1329380

Table F5 GHG Emissions for On-Road Landfill Support Vehicles - Current Setting (Baseline)

Support Vehicles	Vehicle Type, Fuel (Vehicle Category) ¹⁴	Daily Mileage	Load Factor ⁵	Emissions Factor GHG CO ₂ (g/mile) ¹³	GHG CO ₂ (lbs/day) ⁸	Emissions Factor GHG CH ₄ (g/mile) ¹³	GHG CH ₄ (lbs/day) ⁸	Emissions Factor GHG N ₂ O (g/mile) ¹³	GHG N ₂ O (lbs/day) ⁸
Ford Mechanic Truck (DSL) 2006	LHD1	20		671.96	29.6	0.006	2.68E-04	0.106	4.66E-03
Fuel Truck (DSL) 2009	LHD2	10] .	671.96	14.8	0.006	1.34E-04	0.070	1.54E-03
Roll-Off Truck (DSL) 2000	T7 CAIRP	0	1	1,641.73	0.0	0.013	0.00E+00	0.258	0.00E+00
Water Truck DSL 2006 & CNG	T7 CAIRP	50		1,641.73	181.0	0.013	1.39E-03	0.258	2.84E-02
				Sum of Emissions:	225		1.79E-03		3.46E-02

SEE NOTES ON FOLLOWING PAGE

Composite GHG Emissions Factors							
CO ₂ e (g/mile)	Weighted Average In- County Commercial CO2e (g/mile)						
1.039E+03							
1.259E+03	1.779E+03						
3.260E+03							
1.719E+03							

John Smith Road Landfill DEIR ATTACHMENT F

Current Setting (Base-Line) On-Road Trips and Off-Road Operations GHG Emissions Calculations

Sources: CARB, 2017. California Air Resources Board, The Carl Moyer Program Guidelines, 2017 Revisions, Appendix D - Tables for Emissions Reduction and Cost Effectiveness Calculations, Tables D-7 to D-9 for Off-Road Diesel and Non-Mobile Agricultural (Ag) Projects

L&A, 2021. Lawrence & Associates, July 2021, Design Basis Report, John Smith Road Landfill Expansion.

CAPCOA, 2017. California Air Pollution Control Officers Association (CAPCOA), version 2017, California Emissions Estimator Model (CalEE MOD), Appendix D, Default Data Tables

Notes/Citations:

- 1 Vehicles that best represent items listed in CARB 2017, Table D-7
- 2 Vehicles and equipment as reported by Landfill Operator from L&A 2021
- 3 Vehicle horsepower estimated from equipment manufacturer for base model.
- 4 Citation not used.
- 5 Load Factor as listed in CARB, 2017 Table D-7, or 1 when data unavailable.
- 6 The average working hours of the equipment as described by the Landfill Operator from L&A 2021
- 7 Average days of equipment operation as described by the operator (landfill may be open 7 days per week).
- 8 Equation C-5 was used per CARB, 2017 Appendix C.
- 9 Equation C-6 was used per CARB, 2017 Appendix C.
- 10 Greenhouse Gas Factors Acquired from Table 3.4 of CAPCOA, 2017 Appendix D
- 11 Commercial vehicles are packer (route) collection trucks defined as T-7 Diesel Solid Waste Collection Vehicles per EMFAC2017 User's Guide V1.0.1.
- 12 Residential/self haul vehicles are all other inbound vehicles defined as Light-Heavy Trucks (GVWR< 10,000 to 14,000 lbs per EMFAC2017 User's Guide V1.0.1).
- 13 Values obtained form EMFAC2017 (v1.0.2) Emission Rates for San Benito County.

John Smith Road Landfill - DEIR ATTACHMENT G

Projected Project and Net Increase in On-Road Trips and Off-Road Operations GHG Emissions Calculations

- 1. The remaining site life will be 50 years (2020 2070) including out of County waste after which, waste and trips will decrease to in-County Only for 15 years. The peak would be in 2070
- 2. Per EO N-79-20, after 2045 the 60% reduction in non zero emissions vehicles will be fully implemented and only 40% of vehicle emissions are assumed (assuming only 60% is "feasible").
- 3. Prior to 2045, the average calendar year is assumed to be 2035 for the purpose of selecting the EF's
- 4. After 2045, the average calendar year of 2050 is assumed (as high as EMFAC 2017 allows) for the purpose of selecting EF's
- 5. Att U provides a better average for the entire site life.

Table G1 Summary of Proposed Project Waste Hauling and Other Trips and Operations Emissions - Maximum Year

Totals	Total CO ₂ Emissions	Total CH ₄ Emissions	Total N ₂ O Emissions	Total CO ₂ Equivalent Emissions									
A. Waste Hauling and Other Trips (On-Road) Total (lbs/day) Table G5.1 for years													
2022 to 2045	29,285.45	4.77E-04	3.67	30,380.03									
Total (lbs/day) Table G5.2 for years													
2045 to 2070 assuming 40%	9,770.65	0.45	1.87	10,339.13									
Total (lbs/year), Weighted Ave. of above													
for years 2022 to 2070.	6,979,343.89	85.36	997.90	7,278,852.34									
Weighted Ave. Total (metric tons/year)													
for Waste Hauling	3,165.81	0.0387	0.4526	3,301.67	Use ATT U								
	B. On-Road and Off I	Road Operations			For Att U								
Total (lbs/day) Table G6.1. for Years 2022 to 2045	9,576.91	2.97E-01	3.66	10,673.54	1,747								
Total (lbs/day) Table G6.2. for years 2045 to 2070 assuming 40%	3,827.35	0.45	0.011	3,841.93	1,572								
Total (lbs/year), Ave.	2,402,557.02	137.24	641.40	2,597,125.47	629								
Weighted Ave. Total (metric tons/year)	, ,												
for Operations	1,089.79	0.0623	0.2909	1,178.05	Use Att U								
	Total Waste Delivery and	d Operations Emissions (1	metric tons)/year	4,479.71									

On-Road Emissions - Equation for Tables G5 and G6

Annual emissions by pollutant (metric tons/year) = (emission factor (grams/miles) + deterioration product (grams/mi) (not applicable)) × annual activity (miles/year) × percentage operation in California (100%) ÷ 907,200 (grams/ton)

Off-Road Emissions - Equation for Table G4:

Annual emissions by pollutant (tons/year) = (emission factor (grams/brake hp-hour) + deterioration product (grams/brake hp-hour) (not applicable)) × horsepower (hp) × load factor × annual activity (hours/year) × percentage operation in California (100%)× 907,200 (grams/ton)

Global Warming Potential Factors

Compound	CO_2	CH ₄	N_2O
GWP Factors	1	25	298.00

Table G2 Summary of Proposed Project Off-Road Operations Emission Equipment Only 2022-2070

			Total CO ₂
Totals	Total CO ₂ Emissions	Total CH ₄ Emissions	Equivalent Emissions
Total (lbs/day) Table G4	9,388.94	0.30	9,396
Total (lbs/year)	3,426,962.81	108.22	3,429,668
Total (short tons/year)	1,713.48	0.05	1,715
Total (metric tons/year)	1,554.46	0.0491	1,556

Use ATT U For Att U:

1,747.78 Att U 2035

1,572.78 Att U 2045 629.11 Alt U 2046

8,167.91

1,337.48

John Smith Road Landfill - DEIR ATTACHMENT G

Projected Project and Net Increase in On-Road Trips and Off-Road Operations GHG Emissions Calculations Table G3 Projected Peak Increase in On-Road and Off-Road Emissions 2022 - 2070

Emissions Source	Total CO ₂ Equivalent Emissions	
Increased Annual Waste Hauling Emissions (metric tons/year), Tables G1A - F1A	-493	2022 to 2070
Increased Operations Emissions (metric tons/year), Tables G1B - F1B	-23	2022 to 2070
Total Increase in GHG Emissions at Peak (metric tons/year)	(516)	Use Att U for Life of Site (Att U includes 2071 to 2086 County Only period)

Table G4 Off-Road Vehicle Emissions for Operations - Prior to 2045 (Assuming 2035 calendar year for emissions)

		Vehicle Properties				Operation Properties		GHG Emission Factors and Calculations			ons
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	Assumed Model Year	HP ³	Load Factor ⁵	Average Hours per Day ⁶	Days of Operation ⁷	GHG CO ₂ (g/bhp- hr) ¹⁰	GHG CO ₂ (lb/bhp-day) ⁹	GHG CH ₄ (g/bhp- hr) ¹⁰	GHG CH ₄ (lb/bhp-day) ⁹
Dozer (Mainline)	Crawler Tractors	Caterpillar D6T LGP	2035	255	0.43	8	7	568.30	1,099	2.00E-02	3.87E-02
Dozer (Mainline)	Crawler Tractors	Caterpillar D8T Diesel	2035	310	0.43	8	7	568.30	1,336	2.00E-02	4.70E-02
Dozer (Support)	Crawler Tractors	Caterpillar D6R Diesel	2035	310	0.43	2	7	568.30	334	2.00E-02	1.18E-02
Grader	Graders	Caterpillar 140G Diesel	2035	150	0.41	2	7	568.30	154	2.60E-02	7.05E-03
Loader	Rubber Tired Loaders	Caterpillar 938M Diesel	2035	182	0.36	2	7	568.30	164	1.70E-02	4.91E-03
Compactor	Rollers	Caterpillar 826K Diesel	2035	426	0.38	8	7	568.30	1,623	1.50E-02	4.28E-02
Compactor	Rollers	Caterpillar 826A	2035	426	0.38	4	7	568.30	811	1.50E-02	2.14E-02
Backhoe	Tractors/Loaders/Backhoe	Caterpillar 426C Diesel	2035	81.8	0.37	2	7	568.30	76	2.30E-02	3.07E-03
Excavator	Excavators	John Deere 350	2035	283	0.38	6	7	568.30	808	1.70E-02	2.42E-02
Dump/Haul Truck	Off-Highway Trucks	John Deere 350D	2035	380	0.38	8	7	568.30	1,447	1.80E-02	4.58E-02
Dump/Haul Truck	Off-Highway Trucks	John Deere 350D	2035	380	0.38	4	7	568.30	724	1.80E-02	2.29E-02
Truck Tipper	Other Construction Equipment	Columbia	2035	156	0.42	8	7	568.30	657	1.80E-02	2.08E-02
Street Sweeper	Other Construction Equipment	Elgin 2019	2035	74	0.42	4	7	568.30	156	2.20E-02	6.03E-03
Note: N2O emissions factors are not a		nt.	•					Sum of Emissions	9,389		2.96E-01

John Smith Road Landfill - DEIR ATTACHMENT G

Projected Project and Net Increase in On-Road Trips and Off-Road Operations GHG Emissions Calculations

Table G5.1 On-Road Vehicles Trips - Prior to 2045 (assuming average of 2035 calendar year)

Site Properties				GHG Emission Factors and Calculations					
On-Road Vehicles	Assumed Vehicle Type	Avg. Mileage from Origin to LF/day	Load Factor ⁵	Emissions Factor GHG CO ₂ (g/mile) ¹³	GHG CO ₂ (lbs/day) ⁸	Emissions Factor GHG CH ₄ (g/mile) ¹³	GHG CH ₄ (lbs/day) ⁸	Emissions Factor GHG N ₂ O (g/mile) ¹³	GHG N ₂ O (lbs/day) ⁸
In-County Self Haul/Residential ¹²	Light/Heavy Duty Trucks (LHD1 - Gas)	3,624	1	797.90	6,374.67	2.36E-03	1.89E-02	3.95E-03	0.0
In-County Commercial 74% Diesel 11	T7-SWCV (Dsl)	445	1	2,611.31	2,561.20	1.13E-03	1.11E-03	4.10E-01	0.4
In-County Commercial 26% CNG	T7-SWCV (NG)	156	1	2,500.00	861.52	3.04E+00	1.05E+00	5.10E-01	0.2
Out of County Commercial ¹²	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	9,455	1	934.92	19,488.06	6.68E-04	2.36E-02	1.47E-01	3.1
				Sum of Emissions	29,285		1.09E+00		3.67E+00

Table G5.2 On-Road Landfill Support Vehicles for Operations - Prior to 2045 (assuming average of 2035 calendar year)

Support Vehicles	Vehicle Type, Fuel (Vehicle Category) ¹⁴	Daily Mileage	Load Factor ⁵	Emissions Factor GHG CO ₂ (g/mile) ¹³	GHG CO ₂ (lbs/day) ⁸	Emissions Factor GHG CH ₄ (g/mile) ¹³	GHG CH ₄ (lbs/day) ⁸	Emissions Factor GHG N ₂ O (g/mile) ¹³	GHG N ₂ O (lbs/day) ⁸
Ford Mechanic Truck (DSL)	LHD1	20		671.96	29.63	6.07E-03	2.68E-04	1.06E-01	4.66E-03
Fuel Truck (DSL)	LHD2	10		478.63	10.55	4.72E-03	1.04E-04	7.52E-02	1.66E-03
Roll-Off Truck (DSL)	T7 CAIRP	8	1	934.92	16.49	6.68E-04	1.18E-05	1.47E-01	2.59E-03
RNG Tube truck four trips/mo	T7 CAIRP	14		934.92	28.24	6.68E-04	2.02E-05	1.47E-01	4.44E-03
Water Truck DSL	T7 CAIRP	50		934.92	103.06	6.63E-04	7.31E-05	2.32E-03	2.55E-04
	_			Sum of Emissions	188	·	4.77E-04	·	1.36E-02

Table 5.2.1 GHG Emissions Saved by Converting to Electric

Sum of emissions from Table G5.2 excluding tube truck and toll-off truck -" Medium Duty Vehicles":			6.50E+04	2.02E-01	2.98E+00
Days per Year:	360 Annual Total Converted to Metric Tons:		23	4.72E-06	1.41E-11
	Global Warming Potential	GWP	1	25	298
Total Emissions Reduction by converti	MTCO2e/Yr	23	0.00	0.00	

Table G6.1 On-Road Vehicles Trips - From 2045 Until Closure (assuming 2050 calendar year for emissions)

Site Properties						GHG Emission Factor	ors and Calculations		
On-Road Vehicles	Assumed Vehicle Type	Avg. Mileage from Origin to LF/day	Load Factor ⁵	Emissions Factor GHG CO ₂ (g/mile) ¹³	GHG CO ₂ (lbs/day) ⁸	Emissions Factor GHG CH ₄ (g/mile) ¹³	GHG CH ₄ (lbs/day) ⁸	Emissions Factor GHG N ₂ O (g/mile) ¹³	GHG N ₂ O (lbs/day) ⁸
In-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD1 - Gas)	635	1	216.55	302.96	6.58E-04	9.20E-04	2.58E-01	0.4
In-County Commercial 74% Diesel 11	T7-SWCV (Dsl)	2,867	1	713.76	4,511.50	3.27E-04	2.07E-03	1.12E-01	0.7
In-County Commercial 26% CNG	T7-SWCV (NG)	165	1	2,361.44	858.98	3.04E+00	1.11E+00	4.81E-01	0.2
Out of County Commercial ¹²	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	9,098	1	934.92	18,753.17	6.68E-04	1.34E-02	1.89E-01	3.8
				Sum of Emissions	24,427		1.12E+00		4.68E+00

Used for Attachment	U - 2035						
Composite GHG Emissions Factors							
CO ₂ e (g/mile)	Weighted Average In- County Commercial CO2e (g/mile)						
7.99E+02							
2.73E+03	2.73E+03						
2.73E+03							
9.79E+02							

Includes global warming potential mult.

<----Used in Attachment U

Composite GHO	G Emissions Factors
CO2e (g/mile)	Weighted Average In- County Commercial CO2e (g/mile)
2.93E+02	
7.47E+02	1.22E+03
2.58E+03	
9.91E+02	
Includes global warming	g potential mult.

John Smith Road Landfill - DEIR ATTACHMENT G

Projected Project and Net Increase in On-Road Trips and Off-Road Operations GHG Emissions Calculations

Table G6.2 On-Road Landfill Support Vehicles for Operations - From 2045 Until Closure (assuming 2050 calendar year emissions)

Support Vehicles	Vehicle Type, Fuel (Vehicle Category) ¹⁴	Daily Mileage	Load Factor ⁵	Emissions Factor GHG CO ₂ (g/mile) ¹³	GHG CO ₂ (lbs/day) ⁸	Emissions Factor GHG CH ₄ (g/mile) ¹³	GHG CH ₄ (lbs/day) ⁸	Emissions Factor GHG N ₂ O (g/mile) ¹³	GHG N ₂ O (lbs/day) ⁸
Ford Mechanic Truck (DSL)	LHD1	20		478.63	21.10	4.72E-03	2.08E-04	7.52E-02	3.32E-03
Fuel Truck (DSL)	LHD2	10		478.63	10.55	4.72E-03	1.04E-04	7.52E-02	1.66E-03
Roll-Off Truck (DSL)	T7 CAIRP	8	1	934.92	16.49	6.68E-04	1.18E-05	1.47E-01	2.59E-03
RNG Tube Truck four trips/mo	T7 CAIRP	14	1	934.92	28.24	6.68E-04	2.02E-05	1.47E-01	4.44E-03
Water Truck DSL	T7 CAIRP	50		934.92	103.06	6.58E-04	7.25E-05	1.47E-01	1.62E-02
				Sum of Emissions	179		4.17E-04		2.82E-02

CARB, 2017. California Air Resources Board, The Carl Moyer Program Guidelines, 2017 Revisions, Appendix D - Tables for Emissions Reduction and Cost Effectiveness Calculations, Tables Sources: D-7 to D-9 for Off-Road Diesel and Non-Mobile Agricultural (Ag) Projects

L&A, 2021. Lawrence & Associates, July 2021, Design Basis Report, John Smith Road Landfill Expansion.

CAPCOA, 2017. California Air Pollution Control Officers Association (CAPCOA), version 2017, California Emissions Estimator Model (CalEE MOD), Appendix D, Default Data Tables

Notes/Citations:

- 1 Vehicles that best represent items listed in CARB 2017, Table D-7
- 2 Vehicles and equipment as reported by Landfill Operator from L&A 2021
- 3 Vehicle horsepower estimated from equipment manufacturer for base model.
- 4 Citation not used.
- 5 Load Factor as listed in CARB, 2017 Table D-7, or 1 when data unavailable.
- 6 The average working hours of the equipment as described by the Landfill Operator from L&A 2021
- 7 Average days of equipment operation as described by the operator (landfill may be open 7 days per week).
- 8 Equation C-5 was used per CARB, 2017 Appendix C.
- 9 Equation C-6 was used per CARB, 2017 Appendix C.
- 10 Greenhouse Gas Factors Acquired from Table 3.4 of CAPCOA, 2017 Appendix D
- 11 Commercial vehicles are packer (route) collection trucks defined as T-7 Diesel Solid Waste Collection Vehicles per EMFAC2017 User's Guide V1.0.1.
- 12 Residential/self haul vehicles are all other inbound vehicles defined as Light-Heavy Trucks (GVWR< 10,000 to 14,000 lbs per EMFAC2017 User's Guide V1.0.1).
- 13 Values obtained from EMFAC2017 (v1.0.2) Emission Rates for San Benito County.

John Smith Road Landfill - DEIR ATTACHMENT H

Construction GHG Emission Calculations: On-Road and Off- Road Equipment

Table H1 On-Road and Off Road Emissions Summary for Module Construction Project

Totals	Total CO ₂ Emissions	Total CH ₄ Emissions	Total N ₂ O Emissions	Total CO ₂ Equivalent Emissions
Total (lbs)/project (Tables H5 & H6)	501,029.96	126.25	1.87	512,127.85
Total (short tons)/project	250.51	0.06	0.00	256.06
Total (metric tons)/project	227.27	0.06	0.00	232.32
Total (metric tons)/project*	113.63	0.0286	0.0005	116.16

^{* =} Construction performed every 2 years, estimated construction emissions divided by 2.

Table H2 Construction Emissions Total for Proposed Project (Averaged)

Totals	Total CO2 Equivalent Emissions, MTCO2e	
Total of 29 const. projects (Table H1)*	3,368.68	
Total Averaged over 65 years	51.83	Use Attachment U

^{*}Assuming one project every two years for module construction 65-year site life (Attachment D).

Table H3 On-Road and Off Road Emissions Summary for Class I Area Clean Closure

Totals	Total CO ₂ Emissions	Total CH ₄ Emissions	Total N ₂ O Emissions	Total CO ₂ Equivalent Emissions
Total (lbs)/project (Tables H7 & H8)	310,373.78	28.54	27.80	320,110.20
Total (short tons)/project	155.19	0.01	0.01	160.06
Total (metric tons)/project	140.78	0.01	0.01	145.54
Total (metric tons)/project	70.39	0.0065	0.0069	72.77

Table H4 On-Road and Off Road Emissions Summary for Entrance Construction Project

Totals	Total CO ₂ Emissions	Total CH ₄ Emissions	Total N ₂ O Emissions	Total CO ₂ Equivalent Emissions
Total (lbs)/project (Tables H7 & H8)	977,319.68	269.94	0.86	1,000,220.13
Total (short tons)/project	488.66	0.13	0.00	500.11
Total (metric tons)/project	443.31	0.12	0.00	453.71
Total (metric tons)/project	221.65	0.0612	0.0002	226.85

Table H5 On-Road and Off Road Emissions Summary for 58-acre Closure Cap Construction Project

Totals	Total CO ₂ Emissions	Total CH ₄ Emissions	Total N ₂ O Emissions	Total CO ₂ Equivalent Emissions
Total (lbs)/project (Tables H7 & H8)	2,743,290.76	859.44	859.96	3,042,513.76
Total (short tons)/project	1,371.65	0.43	0.43	1,521.26
Total (metric tons)/project	1,244.35	0.39	0.43	1,390.61
Total (metric tons)/project	622.17	0.1949	0.2150	695.31

Table: H6 Closure Emissions Totals for Existing Operation

Totals	Total CO ₂ Equivalent Emissions, MTCO ₂ e	
58-Acre Closure per Table H2	695.31	for 58-acre current operation
Average averaged over 17 years	41	Use Attachment U

On-Road Emissions - Equation For Table H5:

Annual emissions by pollutant (metric tons/year) = (emission factor (grams/miles) + deterioration product (grams/mi) (not applicable)) × annual activity (miles/year) × percentage operation in California (100%) \div 907,200 (grams/ton)

Off-Road Emissions Equation for Table H4:

Annual emissions by pollutant (tons/year) = (emission factor (grams/brake hp-hour) + deterioration product (grams/brake hp-hour) (not applicable)) \times horsepower (hp) \times load factor \times annual activity (hours/year) \times percentage operation in California (100%) \times 907,200 (grams/ton)

John Smith Road Landfill - DEIR ATTACHMENT H

Construction GHG Emission Calculations: On-Road and Off- Road Equipment

Table: H7 Closure Emissions Totals for Proposed Project

Totals	Total CO ₂ Equivalent Emissions, MTCO ₂ e		
$H6 \times 4.36 = 253 \text{ acres}$	3,032		
Six 29-Acre Closure Projects Each	348	Att U Periodic Closure Proj	ects, each
Final Closure Project (79 acres)	946	Att U 2087	

Module Construction

Table H8 Module Construction Project GHG Emissions from Off Road Vehicle Emissions

Total Work Days

122 week days

Assume 2010 Model Year or Newer

	Vehicle Proper	ties			Operation Properties GHG Emission Factors and Calculation				tors and Calculation	3
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	HP ³	Load Factor ⁵	Average Hours per Day ⁶	Total Days of Operation ⁷	GHG CO ₂ (g/bhp- hr) ⁹	GHG CO ₂ (lb/project) ⁸	GHG CH ₄ (g/bhp- hr) ⁹	GHG CH ₄ (lb/project) ⁸
Dozer, heavy ripping	Crawler Tractors	Caterpillar D8T Diesel	310	0.43	8	15	528.68	18,644	0.154	5.43
Dozer, light ripping	Crawler Tractors	Caterpillar D6T Diesel	165	0.43	8	50	524.50	32,816	0.153	9.57
Dozer, operations layer & erosion	Crawler Tractors	Caterpillar D6R Diesel	140	0.43	8	25	524.50	13,922	0.153	4.06
Grader	Graders	Caterpillar 140G Diesel	150	0.41	8	5	536.70	2,911	0.156	0.85
Loader	Rubber Tired Loaders	Caterpillar 938M Diesel	190	0.36	2	30	522.35	4,726	0.152	1.38
Pad-Foot Compactor, heavy	Rollers	Caterpillar 815 Diesel	341	0.38	8	10	533.88	12,201	0.155	3.54
Smooth Drum Roller	Rollers	Caterpillar CS34 Diesel	74	0.38	8	5	527.63	1,308	0.154	0.38
Backhoe	Excavators	Caterpillar 426C	88	0.38	8	5	518.99	1,530	0.151	0.45
Excavator, rock breaking	Excavators	John Deere 350 Diesel	271	0.38	8	50	522.29	47,431	0.152	13.80
Excavator, trenches, culverts	Excavators	John Deere 350 Diesel	271	0.38	8	50	522.29	47,431	0.152	13.80
Dump/Haul Truck, Misc. Use	Off-Highway Trucks	Caterpillar 740 Diesel	453	0.38	8	50	528.81	80,274	0.154	23.38
Off-road Dump/haul truck	Off-Highway Trucks	Caterpillar 740 diesel	453	0.38	8	50	528.81	80,274	0.154	23.38
Off-road Dump/haul truck	Off-Highway Trucks	Caterpillar 740 diesel	453	0.38	8	50	528.81	80,274	0.154	23.38
Screening Plant	Other Construction Equipment	Spyder 514TS Diesel	74	0.42	8	25	523.17	7,169	0.152	2.08
Extended Loader	Tractors/Loaders/Backhoe s	JCB 20TC	74	0.37	8	5	511.35	1,235	0.154	0.37
							Sum of Emissions:	432,147		125.85

John Smith Road Landfill - DEIR ATTACHMENT H

Construction GHG Emission Calculations: On-Road and Off- Road Equipment

Table H9 Module Construction Project GHG Emissions from On-Road Vehicle Emissions

Assume a 2023 Calendar year with an aggregate model year

	Vehicle Properties			Assume a 2025 Ca	GHG Emission Factors and Calculations						
On-Road Vehicles	Vehicle Category, Fuel	Avg. Mileage/day ⁴	Mileage/ Project ⁴	Load Factor ⁵	Emissions Factor GHG CO ₂ (g/mile) ¹⁰	(lbs/quarter)1	Emissions Factor GHG CH ₄ (g/bhp- hr) ¹⁰	GHG CH ₄ (lbs/project) ¹¹	Emissions Factor GHG N ₂ O (g/bhp- hr) ¹⁰	GHG N ₂ O (lbs/project) ¹¹	
Belly Dump (8 trucks for gravel)	T7 - CARP Dsl	60	960	1	1314.3	2,782	9.82E-04	2.08E-03	0.21	0.44	
Low Boy (equipment mob)	T7 - CARP Dsl	200	2,400	1	1314.3	6,954	9.82E-04	5.20E-03	0.21	0.44	
Flat Bed or Van (8 trucks liner materials)	T7 - CARP Dsl	200	1,600	1	1314.3	4,636	9.82E-04	3.46E-03	0.21	0.17	
Water Truck	T6 CAIRP Heavy, Dsl	10	8,000	1	952.5	16,800	4.12E-04	7.26E-03	0.15	0.08	
Ford Mechanic Truck	LHD2, Diesel	4	376	1	672.0	639	6.07E-03	8.11E-03	0.10	0.08	
Fuel Truck	LHD2, Diesel	2	188	1	672.0	279	4.79E-03	8.11E-03	0.10	0.04	
Foreman Truck	LHD2, Diesel	2	188	1	672.0	279	6.07E-03	2.52E-03	0.10	0.04	
Light Truck or Carpool Van (2)	LHD2, Gas	60	14,400	1	1150.2	36,516	1.16E-02	3.68E-01	0.02	0.57	
				!	Sum of Emissions	68,883	_	4.05E-01	-	1.87	

Class I Area Clean Closure

 Table H10 Clean Closure Project GHG Emissions from Off Road Vehicle Emissions
 Assume 2030 Model Year or Newer for a 2037 construction project

	Vehicle Proper	ties			Operation I	Properties GHG Emission Factors and Calculations				3
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	HP ³	Load Factor ⁵	Average Hours per Day ⁶	Total Days of Operation ⁷	GHG CO ₂ (g/bhp- hr) ⁹	GHG CO ₂ (lb/project) ⁸	GHG CH ₄ (g/bhp-hr) ⁹	GHG CH ₄ (lb/project) ⁸
Dozer, clearing, ripping	Crawler Tractors	Caterpillar D8T	310	0.43	8	7	568.299	9,353	0.029	0.48
Backhoe	Tractors/Loaders/Backhoe s	Caterpillar 426C Diesel	88	0.37	8	23	565.9942	7,476	0.171	2.26
Excavator, loading & breaking	Excavators	John Deere 350 Diesel	271	0.38	8	23	472.1062	19,722	0.153	6.39
Off-road Dump/haul truck	Off-Highway Trucks	Caterpillar 740 diesel	453	0.38	8	23	529.2094	36,954	0.171	11.94
Off-road Dump/haul truck	Off-Highway Trucks	Caterpillar 740 diesel	453	0.38	8	14	529.2094	22,494	0.171	7.27
								95,998		28.34

Table H11 Clean Closure Construction Project GHG Emissions from On-Road Vehicle Emissions Assume 2037 Calendar Year with Aggregate Model Year

	Vehicle Properties			GHG Emission Factors and Calculations							
On-Road Vehicles	Vehicle Category, Fuel	Avg. Mileage/day ⁴	Mileage/ Project ⁴	Load Factor ⁵	Emissions Factor GHG CO ₂ (g/mile) ¹⁰	GHG CO ₂ (lbs/project) ¹¹	Emissions Factor GHG CH ₄ (g/bhp- hr) ¹⁰	GHG CH ₄ (lbs/project) ¹¹	Emissions Factor GHG N ₂ O (g/bhp- hr) ¹⁰	GHG N ₂ O (lbs/project) ¹¹	
Ford Mechanic Truck	LHD2, Diesel	96	2,208	1	537.4	2,616	6.56E-03	3.19E-02	0.01	0.03	
Water Truck ¹²	T6 CAIRP Heavy, Diesel	30	690	1	951.4	1,447	5.11E-04	7.78E-04	0.15	0.23	
Low boy or flat bed (equipment mob)	T7 - CARP Dsl	100	800	1	961.3	1,695	9.25E-04	1.63E-03	0.15	0.27	
End Dump	T7 - CARP Dsl	411	81,378	1	961.3	172,467	9.25E-04	1.66E-01	0.15	27.11	
Light Truck or Carpool Van (2)13	LHD2, Gas	8.8	14,256	1	967.2	36,151	0.00E+00	2.26E-03	0.01	0.16	
					Sum of Emissions	214,376	•	2.03E-01	•	27.80	

John Smith Road Landfill - DEIR ATTACHMENT H

Construction GHG Emission Calculations: On-Road and Off- Road Equipment

Entrance Construction

Table H12 Entrance Construction Project GHG Emissions from Off Road Vehicle Emissions

Assume 2015 Model Year or Better

,	Vehicle Proper	ties			Operation l	Properties	(GHG Emission Fac	tors and Calculations	
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	HP ³	Load Factor ⁵	Average Hours per Day ⁶	Total Days of Operation ⁷	GHG CO ₂ (g/bhp- hr) ⁹	GHG CO ₂ (lb/project) ⁸	GHG CH ₄ (g/bhp-hr) ⁹	GHG CH ₄ (lb/project) ⁸
Dozer, light ripping	Crawler Tractors	Caterpillar D8T Diesel	310	0.43	8	78	512.90	94,054	0.153	28.06
Dozer, operations layer & erosion	Crawler Tractors	Caterpillar D8T Diesel	140	0.43	8	78	511.31	42,344	0.153	12.67
Grader	Graders	Caterpillar 140G Diesel	150	0.41	2	5	522.22	708	0.156	0.21
Loader	Rubber Tired Loaders	Caterpillar 938M Diesel	190	0.36	6	30	508.91	13,814	0.152	4.13
Pad-Foot Compactor, heavy	Rollers	Caterpillar 815 Diesel	341	0.38	8	68	517.28	80,390	0.152	23.62
Smooth Drum Roller	Rollers	Caterpillar CS34 Diesel	74	0.38	8	5	513.51	1,273	0.153	0.38
Backhoe	Tractors/Loaders/Backhoe s	Caterpillar 426C Diesel	88	0.37	8	10	517.37	2,971	0.154	0.88
Excavator, rock breaking	Excavators	John Deere 350 Diesel	271	0.38	8	50	509.87	46,303	0.152	13.80
Excavator, trenches, culverts	Excavators	John Deere 350 Diesel	271	0.38	8	50	509.87	46,303	0.152	13.80
Dump/Haul Truck, Misc. Use	Off-Highway Trucks	Caterpillar 740 Diesel	453	0.38	8	98	515.84	153,479	0.154	45.82
Off-road Dump/haul truck	Off-Highway Trucks	Caterpillar 740 diesel	453	0.38	8	98	515.84	153,479	0.154	45.82
Off-road Dump/haul truck	Off-Highway Trucks	Caterpillar 740 diesel	453	0.38	8	98	515.84	153,479	0.154	45.82
Water Truck	Off-Highway Trucks	Peterbilt Diesel	330	0.38	8	98	515.84	111,806	0.154	33.38
Extended Loader	Rubber Tired Loaders	JCB 20TC	74	0.36	8	5	505.02	1,186	0.151	0.35
Paving Machine	Pavers	CAT AP655F	173	0.42	8	5	513.17	3,288	0.152	0.97
							Sum of Emissions:	904,877		269.72

Table H13 Entrance Construction Project GHG Emissions from On-Road Vehicle Emissions

Assuming 2025 Calendar Year and Aggregate Model Year

	Vehicle Properties			GHG Emission Factors and Calculations						
On-Road Vehicles	Vehicle Category, Fuel	Avg. Mileage/day ⁴	Mileage/ Project ⁴	Load Factor ⁵	Emissions Factor GHG CO ₂ (g/mile) ¹⁰		Emissions Factor GHG CH ₄ (g/bhp- hr) ¹⁰	GHG CH ₄ (lbs/project) ¹¹	Emissions Factor GHG N ₂ O (g/bhp- hr) ¹⁰	GHG N ₂ O (lbs/project) ¹¹
Crane	T7- CAIRP	200	400	1	1259.0	1,110	9.76E-04	8.61E-04	0.20	0.17
Belly Dump (8 per day)	T7-CAIRP	30	7,200	1	1259.0	19,984	9.76E-04	1.55E-02	0.20	0.08
Low Boy (12 per day)	T7-CAIRP	200	4,800	1	1259.0	13,323	9.76E-04	1.03E-02	0.20	0.08
Hydroseed	T7-CAIRP	20	400	1	1259.0	1,110	9.76E-04	8.61E-04	0.20	0.08
Water Truck	T6 CAIRP Heavy, Dsl	10	8,000	1	950.8	16,770	4.31E-04	7.60E-03	0.15	0.08
Truck, Flat Bed of Van (8 per day)	T7-CAIRP	200	1,600	1	1259.0	4,441	9.76E-04	3.44E-03	0.20	0.08
Ford Mechanic Truck	LHD2, Dsl	10	1,290	1	625.7	1,779	7.86E-03	2.24E-02	0.10	0.08
Fuel Truck	LHD2, Dsl	10	1,290	1	625.7	1,779	7.86E-03	2.24E-02	0.10	0.08
Forman truck	LHD2 Dsl	10	1,290	1	625.7	1,779	7.86E-03	2.24E-02	0.10	0.08
Light truck or Carpool Vehicles (2)	LHD2, Gas	60	15,480	1	303.8	10,367	3.13E-03	1.07E-01	0.01	0.01
_	•			5	Sum of Emissions	72,443		2.12E-01		0.86

John Smith Road Landfill - DEIR ATTACHMENT H

Construction GHG Emission Calculations: On-Road and Off- Road Equipment

Closure Cap Construction

Assumptions Typical 58-acre Construction Project

Final Closure for entire Proposed Project would be 4.36 times this much

 Table H14 Closure Project GHG Emissions from Off Road Vehicle Emissions
 Assume 2025 or newer model year equipment, assuming earliest closure would be in 2037

	Vehicle Properties					Operation Properties		GHG Emission Factors and Calculations		
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	HP ³	Load Factor ⁵	Average Hours per Day ⁶	Total Days of Operation ⁷	GHG CO ₂ (g/bhp- hr) ⁹	GHG CO ₂ (lb/project) ⁸	GHG CH ₄ (g/bhp- hr) ⁹	GHG CH ₄ (lb/project) ⁸
Dozer, heavy ripping	Crawler Tractors	Caterpillar D8T Diesel	700	0.43	8	100	472.4081	250,789	0.153	81.22
Dozer, light ripping for piling soil	Crawler Tractors	Caterpillar D8T Diesel	410	0.43	8	100	474.0072	147,388	0.153	47.57
Grader C	Graders	Caterpillar 140G Diesel	150	0.41	8	50	478.5084	25,951	0.155	8.41
Loader	Rubber Tired Loaders	Caterpillar 938M Diesel	190	0.36	8	10	469.8711	5,668	0.152	1.83
Pad-Foot Compactor, heavy (2)	Rollers	Caterpillar 815 Diesel	341	0.38	16	68	477.5732	148,437	0.154	47.87
Smooth Drum Roller	Rollers	Caterpillar CS34 Diesel	74	0.38	8	5	473.851	1,175	0.153	0.38
Backhoe T	Tractors/Loaders/Backhoe	Caterpillar 426C Diesel	88	0.37	8	10	477.19	2,740	0.154	0.88
Excavator, trenches, culverts	Excavators	John Deere 350 Diesel	271	0.38	8	10	470.2915	8,542	0.152	2.76
Earth Mover (6)	Scrapers	Caterpillar 637K	860	0.48	48	100	472.115	2,062,353	0.153	668.35
	<u> </u>	·					Sum of Emissions:	2,653,043	·	859.28

John Smith Road Landfill - DEIR ATTACHMENT H

Construction GHG Emission Calculations: On-Road and Off- Road Equipment

Table H15 Closure Project GHG Emissions from On-Road Vehicle Emissions

Assume 2037 calendar year aggregated model year

	Vehicle Properties				GHG Emission Factors and Calculations						
On-Road Vehicles	Vehicle Category, Fuel	Avg. Mileage/day ⁴	Mileage/ Project ⁴	Load Factor ⁵	Emissions Factor GHG CO ₂ (g/mile) ¹⁰	(lbs/project)	Emissions Factor GHG CH ₄ (g/bhp- hr) ¹⁰	GHG CH ₄ (lbs/project) ¹¹	Emissions Factor GHG N ₂ O (g/bhp- hr) ¹⁰	GHG N ₂ O (lbs/project) ¹¹	
Belly Dump (8 per day)	T7-CAIRP	30	480	1	961.3	1,017	9.25E-04	9.79E-04	0.15	0.08	
Low Boy (15 per day)	T7-CAIRP	200	4,800	1	961.3	10,173	9.25E-04	9.79E-03	0.15	0.08	
Truck, Flat Bed of Van (8 per day)	T7-CAIRP	200	1,000	1	961.3	2,119	9.25E-04	2.04E-03	0.15	0.08	
Hydroseed (2)	T7-CAIRP	20	800	1	961.3	1,695	9.25E-04	1.63E-03	0.15	0.08	
Water Truck (2)	T6 CAIRP Heavy, Dsl	10	19,200	1	951.4	40,272	5.11E-04	2.16E-02	0.15	0.08	
Mechanic Truck	LHD2, Dsl	10	1,200	1	537.4	1,422	6.56E-03	1.73E-02	0.08	0.08	
Fuel Truck	LHD2, Dsl	10	1,200	1	537.4	1,422	6.56E-03	1.73E-02	0.08	0.08	
Forman truck	LHD2 Dsl	10	1,200	1	537.4	1,422	6.56E-03	1.73E-02	0.08	0.08	
Light truck or Carpool Vehicles (2)	LHD2, Gas	60	14,400	1	967.2	30,706	2.26E-03	7.19E-02	0.01	0.01	
					Sum of Emissions	90,248		1.60E-01		0.68	

CARB, 2017. California Air Resources Board, The Carl Moyer Program Guidelines, 2017 Revisions, Appendix D - Tables for Emissions Reduction and Cost Effectiveness Calculations, Tables D-7 to D-Sources: 9 for Off-Road Diesel and Non-Mobile Agricultural (Ag) Projects

L&A, 2021. Lawrence & Associates, July 2021, Design Basis Report, John Smith Road Landfill Expansion.

CAPCOA, 2017. California Air Pollution Control Officers Association (CAPCOA), version 2017, California Emissions Estimator Model (CalEE MOD), Appendix D, Default Data Tables

Notes/Citations:

- 1 Vehicles that best represent items listed in Table D-7 of Appendix D from Tables for Emission Reduction and Cost-Effectiveness Calculations.
- 2 Vehicles and equipment as described in L&A, 2021 Design Basis Report.
- 3 Base model configuration as reported by manufacturer.
- 4 Mile per day and total project miles from L&A 2021 Design Basis Report.
- 5 Load Factor as listed in CARB, 2017 Table D-7, or 1 when data unavailable.
- 6 Assumed working hours for equipment as listed in L&A, 2021 Design Basis Report.
- 7 Assumed working days for equipment as listed in L&A, 2021 Design Basis Report.
- 8 Equation above was used to calculate emissions as listed in CARB, 2017, Appendix C.
- 9 Greenhouse Gas Factors Acquired from CAPCOA, 2017, Table 3.4 of Appendix D.
- 10 Values obtained form EMFAC2017 (v1.0.2) Emission Rates for San Benito County assuming calendar year and model year described in each table header.
- 11 Equation above were used to calculate emissions as listed in CARB, 2017 Appendix C.

John Smith Road Landfill ATTACHMENT I Electrical GHG Emissions

Power Conversion Variables

Power Utilized = MW x Hrs of Operation								
Approx. Full Load = HP x Amp x 1.25								
1 HP =	1 HP = 746 watts							
1 MWh =	2.68	lb of CO ₂ e						

Source: CalEEMod 2020, Appendix D, p4 for PG&E 2020

Table I1 Electrical Load - Current Operation (Pre-Project)

		Percent Time	Hours of		MWh			
Equipment	No. of Items	Operating	Operation/Year	Horsepower	Consumed	Voltage	Phase	Amperage
Leachate Pumps Mod 3A	1	10%	876	0.33	0.2	230	1	1
Leache Pump Mod 7	1	10%	876	1.5	1.0	480	3	3
Leachate Pump Mod 8	1	10%	876	1	0.7	480	3	2
Sewage Lift Station	2	10%	1,752	2	5.2	240	1	16
Blowers	2	100%	17,520	15	392.1	480	3	58
Groundwater Extraction Wells	5	25%	10,950	0.33	13.5	240	1	6
Other Misc.(Outlets/Scalehouse)	1	100%	8,760	3	19.6	120	1	23
Total Hi	s of Operation		41,610	Total MWh	432			

Table I2 Indirect GHG Emissions Existing Conditions - Electrical

432 MWh

Totals	Emissions
CO ₂ Emissions (lbs/year)	1,158
CO ₂ Emissions (tons/year)	0.58
CO ₂ Emissions (metric tons/year)	0.53

<-- Baseline for Table in Attachment U

Power Utilized:

Table I3 Electrical Load - Proposed Project (excluding RNG Facility)

		Percent Time	Hours of		MWh			
Equipment	No. of Items	Operating	Operation/Year	Horsepower	Consumed	Voltage	Phase	Amperage
Leachate Pumps Mod 3A	1	10%	876	0.33	0.2	230	1	1
Leache Pump Mod 7	1	10%	876	1.5	1.0	480	3	3
Leachate Pump Mod 8	1	10%	876	1	0.7	480	3	2
New Leachate Sumps	5	10%	4,380	1.5	24.5	480	3	15
Sewage Lift Station	2	10%	1,752	2	5.2	230	1	16
Blowers	2	100%	17,520	30	784.2	480	1	117
Leachate tank pump	1	5%	438	3	1.0	480	1	6
Groundwater Extraction Wells	5	50%	21,900	0.33	27.0	240	1	6
Other Misc.(Outlets/Scalehouse)	1	100%	8,760	3	19.6	120	1	23
Total H	rs of Operation		57,378	Total MWh	863			
Power Utilized:	863	MWh						

Table I4 Indirect GHG Emissions Proposed Project - Electrical

Assume per requirement gradually increases intil 2070 as more pumps are added.

Totals	Emissions
CO ₂ e Emissions (lbs/year)	2,314
CO ₂ e Emissions (tons/year)	1
CO ₂ e Emissions (metric tons/year)	1.05

<-- Peak for Table in Attachment U

Table I5 Summary

	Emissions,
Totals	MTCOe2/yr
Current (metric tons per year)	0.53
Proposed Project	1.05
Change	0.52

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John Smith Road Landfill ATTACHMENT J

Water and Waste Water

Used for GHG Emissions Calculations

Source: CalEEMod

Electricity Intensity for Water Use: 1,272 kWh/Million gallons

Source: Dist. for Monterey Bay Air Quality District per Cal EEMod Appendix D, 2020 Ver 4.0, Table 9.25

GHG Emissions Factor for Electrici 2.68 MTCO₂e/MWh

Emissions, $(MTCO_2e/yr)$ = water use (gal/yr) x Electricity intensity $(kwh/million gal) / 1,000 kwh/mwhr / 1,000,0000 gal/ per million gal x GHG Emissions Factor <math>(MTCO_2e/MWhr)$

Table J1 Summary of Water and Wastewater

Water Usage	Gal/Year	Average Annual gpm	Emissions MtCO ₂ e/yr ⁸
Current Operation Water Usage for Operations ¹	2,444,634	4.65	8.33
Current Operation Water Usage for Contruction ²	886,437	1.69	3.02
Current Operation Water Usage for Closure Cap ³	249,716	0.48	0.85
Total Current Water Usage	3,580,787	6.81	12.21
Proposed Water Usage for Operation ⁴	5,258,000	10.00	17.92
Proposed Water Usage for Module Contruction ⁵	1,081,340	2.06	3.69
Proposed water Usage for Closure Cap ⁶	216,268	0.41	0.74
Total Proposed Water Usage For Life of Project	6,339,340	12.06	21.61
Difference	2,758,553	5.25	9.40
Waste Water	Gal/Year	Average Annual gpm	Emissions from CalEEMOD MtCO ₂ e/yr
Current Operation Wastewater ⁶	2,407,248	4.58	7.08
Proposed Operation Wastewater Peak in 2086 ⁷	4,777,704	9.09	14.05
Difference	2,370,456	4.51	6.97

- 1. From L&A Water Needs Memo in Attachment Y Operations Total for 2021
- 2. From Table 1 in Attachment Y Average Corrected Construction Water / 2 for every other year
- 3. From Table 1 in Attachment Y Average Corrected Construction Water * 2 for larger closure project / 15 years remaining.
- 4. From Table 3 in Attachment Y Total per year
- 5. From Table 4 in Attachment Y /2 for construction every other year
- 6. Asume similar to one construction project from Table 4 in Attachment Y dvided over 10 smaller partial final closure projects.
- 7. From Table B23 in Text. Gradually increases over life of landfill as more LCRS sumps are added and condensate is generated.
- 8. Sum of water and wastewater emissions used in Attachment U. Change in waste water is increased incrementally over site life.

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JSRL Expansion Project San Benito County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size		Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.00	3.	1000sqft	90.36	0.00	15

1.2 Other Project Characteristics

Unberter	D	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Urbanization	Rural	Wind Speed (m/s)	2.5	Precipitation Freq (Days)	50
Climate Zone	3			Operational Year	2023
Utility Company	Pacific Gas & Ele	ectric Company			
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Assumes Landfill as Industrial, General Light Industry, with Pop of 15 to account for full-times staff.

Construction Phase -

Water And Wastewater - Sum of water usage for operations and construction.

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.00	90.36
tblLandUse	Population	0.00	15.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblWater	IndoorWaterUseRate	0.00	6,977,567.00

7.1 Mitigation Measures Water

	Total CO2	CH4	N20	CO2e
Category	MT/yr			
Mitigated	13.1972	0.2279	5.4700e- 003	20.5242
Unmitigated	13.1972	0.2279	5.4700e- 003	20.5242

For 6,977,567 gal (old value) as indoor use = 2.941 x 10-6 MT/yr/gal x 2,407,248 gal (new value) = 7.08 MTCO2e/yr current.

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7.2 Water by Land Use Unmitigated

	Indoor/Out door Use	Total CO2	CH4	N20	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	6.97757 /	13.1972	0.2279	5.4700e- 003	20.5242
Total		13.1972	0.2279	5.4700e- 003	20.5242

CalEEMod Version: CalEEMod.2016.3.2

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JSRL Expansion Project San Benito County, Annual



1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	- 0.00	1000sqft	90.36	0.00	15

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.5	Precipitation Freq (Days)	50
Climate Zone	3			Operational Year	2023
Utility Company	Pacific Gas & Ele	ectric Company			
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Assumes Landfill as Industrial, General Light Industry, with Pop of 15 to account for full-times staff.

Construction Phase -

Water And Wastewater - Sum of proposed water usage for operations and construction.

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.00	90.36
tblLandUse	Population	0.00	15.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblWater	IndoorWaterUseRate	0.00	9,279,251.00

Date: 10/26/2021 2:03 PM

7.1 Mitigation Measures Water

	Total CO2	CH4	N20	CO2e
Category		М	T/yr	
Mitigated	17.5506	0.3030	7.2800e- 003	27.2945
Unmitigated	17.5506	0.3030	7.2800e- 003	27.2945

7.2 Water by Land Use Unmitigated

	Indoor/Out door Use	Total CO2	CH4	N20	CO2e		
Land Use	Mgal	MT/yr					
General Light Industry	9.27925 /	17.5506	0.3030	7.2800e- 003	27.2945		
Total		17.5506	0.3030	7.2800e- 003	27.2945		

ATTACHMENT K

Trip and Mileage Calculations for Criteria Pollutants Calculations

ASSUMPTIONS BASED ON PEAK TRAFFIC DAY BASELINE

Incoming Vehicular Traffic	Percentage	Trips
In-County Residential	92%	433
In County Commercial ⁵	2%	9
Out of County Commercial	6%	27
	100%	469

ASSUMPTIONS BASED ON PEAK TONNAGE DAY BASELINE

Incoming Vehicular Traffic	Percentage	Trips
In-County Residential	60%	155
In County Commercial ⁵	12%	31
Out of County Commercial	28%	73
	100%	259

ASSUMPTIONS BASED ON AVERAGE PROPOSED PROJECT PEAK TRIP DAY

Incoming Vehicular Traffic	Percentage	Trips
In-County Residential	93%	533
In County Commercial ⁵	2%	11
Out of County Commercial	5%	34
	100%	578

ASSUMPTIONS BASED ON AVERAGE PROPOSED PROJECT PEAK TONNAGE DAY

Incoming Vehicular Traffic	Percentage	Trips
In-County Residential	49%	177
In County Commercial ⁵	10%	35
Out of County Commercial	42%	151
	100%	363

IN-DISTRICT BASELINE TRIP DISTANCE ESTIMATE

(based on attached figures) One Way

Location	%	Av miles	Notes
City of Hollister	95%	5.8	to City Hall Via Hillcrest
Other County (inc. SJB)	5%	36.8	to County Centroid
Weighted Average		7.35	
Out of County		17.05	

IN-DISTRICT BASELINE TRIP DISTANCE ESTIMATE

(based on attached figures) One Way

Location	%	Av miles	Notes
City of Hollister	95%	5.3	to City Hall Via Hillcrest
Other County (inc. SJB)	5%	36.8	to County Centroid
Weighted Average		6.88	
Out of County	·	16.58	

CALCULATIONS

Table E1: Baseline Peak Traffic Day Trip Calculations

Origin ¹	% of Trips from Origin	Distance from MBARD boundary to Landfill ²	Total Average trips/day ³	Avg Trips by Origin/day	Avg. Commercial Trips By Origin/day	Avg. Residential Trips By Origin/day	Avg. In County Commercial Round Trip Mileage/day	-	Avg. Out of County Commercial Round Trip Mileage/day
SBCIWMR	94.243%	7.35	469	442.00	9	433	132	6,365	0
Santa Clara - San Jose	3.394%	17.05	469	15.92	15.92	0.0	0	0	543
Sant a Clara - Gilroy	0.200%	17.05	469	0.94	0.94	0.0	0	0	32
Santa Clara - Undefined	1.835%	17.05	469	8.61	8.61	0.0	0	0	293
Monterey County	0.291%	17.05	469	1.36	1.36	0.0	0	0	46
Alameda	0.018%	17.05	469	0.09	0.09	0.0	0	0	3
Santa Cruz	0.008%	17.05	469	0.04	0.04	0.0	0	0	1
San Mateo	0.004%	17.05	469	0.02	0.02	0.0	0	0	1
Sacramento	0.003%	17.05	469	0.01	0.01	0.0	0	0	1
San Francisco	0.002%	17.05	469	0.01	0.01	0.0	0	0	0
San Joaquin	0.001%	17.05	469	0.00	0.00	0.0	0	0	0
Kern	0.000%	17.05	469	0.00	0.00	0.0	0	0	0
San Rafael	0.000%	17.05	469	0.00	0.00	0.0	0	0	0
Sonoma	0.000%	17.05	469	0.00	0.00	0.0	0	0	0

100.0% 469

Total Sum of Miles 132 6,365 921

CALCULATIONS

Table E2: Baseline Peak Tonnage Day Trip Calculations

Origin ¹	% of Trips from Origin	Distance from MBARD boundary to Landfill ²	Total Average trips/day ³	Avg Trips by Origin/day	Avg. Commercial Trips By Origin/day	Avg. Residential Trips By Origin/day	Avg. In County Commercial Round Trip Mileage/day		Avg. Out of County Commercial Round Trip Mileage/day
SBCIWMR	71.815%	7.35	259	186.00	31	155	456	2,279	0
Santa Clara - San Jose	16.616%	17.05	259	43.04	43.04	0.0	0	0	1,468
Sant a Clara - Gilroy	0.979%	17.05	259	2.53	2.53	0.0	0	0	86
Santa Clara - Undefined	8.983%	17.05	259	23.27	23.27	0.0	0	0	793
Monterey County	1.423%	17.05	259	3.69	3.69	0.0	0	0	126
Alameda	0.090%	17.05	259	0.23	0.23	0.0	0	0	8
Santa Cruz	0.039%	17.05	259	0.10	0.10	0.0	0	0	3
San Mateo	0.022%	17.05	259	0.06	0.06	0.0	0	0	2
Sacramento	0.016%	17.05	259	0.04	0.04	0.0	0	0	1
San Francisco	0.008%	17.05	259	0.02	0.02	0.0	0	0	1
San Joaquin	0.004%	17.05	259	0.01	0.01	0.0	0	0	0
Kern	0.002%	17.05	259	0.01	0.01	0.0	0	0	0
San Rafael	0.002%	17.05	259	0.01	0.01	0.0	0	0	0
Sonoma	0.002%	17.05	259	0.01	0.01	0.0	0	0	0

100.0% 259

Total Sum of Miles 456 2,279 2,489

CALCULATIONS

Table E3: Proposed Project Peak Traffic Day Trip Calculations

Origin ¹	% of Trips from Origin	Distance from MBARD boundary to Landfill ²	Total Average trips/day ³	Avg Trips by Origin/day	Avg. Commercial Trips By Origin/day	Avg. Residential Trips By Origin/day	Avg. In County Commercial Round Trip Mileage/day	,	Avg. Out of County Commercial Round Trip Mileage/day
SBCIWMR	95.118%	6.88	578	549.78	11	539	153	7,407	0
Santa Clara - San Jose	2.878%	16.58	578	16.64	16.64	0.0	0	0	552
Sant a Clara - Gilroy	0.170%	16.58	578	0.98	0.98	0.0	0	0	32
Santa Clara - Undefined	1.556%	16.58	578	8.99	8.99	0.0	0	0	298
Monterey County	0.246%	16.58	578	1.42	1.42	0.0	0	0	47
Alameda	0.016%	16.58	578	0.09	0.09	0.0	0	0	3
Santa Cruz	0.007%	16.58	578	0.04	0.04	0.0	0	0	1
San Mateo	0.004%	16.58	578	0.02	0.02	0.0	0	0	1
Sacramento	0.003%	16.58	578	0.02	0.02	0.0	0	0	1
San Francisco	0.001%	16.58	578	0.01	0.01	0.0	0	0	0
San Joaquin	0.001%	16.58	578	0.00	0.00	0.0	0	0	0
Kern	0.000%	16.58	578	0.00	0.00	0.0	0	0	0
San Rafael	0.000%	16.58	578	0.00	0.00	0.0	0	0	0
Sonoma	0.000%	16.58	578	0.00	0.00	0.0	0	0	0

100.0% 578

Total Sum of Miles	153	7,407	936

CALCULATIONS

Table E4: Proposed Traffic Peak Tonnage Day Trip Calculations

Origin ¹	% of Trips from Origin	Distance from MBARD boundary to Landfill ²	Total Average trips/day ³	Avg Trips by Origin/day	Avg. Commercial Trips By Origin/day	Avg. Residential Trips By Origin/day	Avg. In County Commercial Round Trip Mileage/day	-	Avg. Out of County Commercial Round Trip Mileage/day
SBCIWMR	58.402%	6.88	363	212.00	35	177	481	2,434	0
Santa Clara - San Jose	24.524%	16.58	363	89.02	89.02	0.0	0	0	2,952
Sant a Clara - Gilroy	1.444%	16.58	363	5.24	5.24	0.0	0	0	174
Santa Clara - Undefined	13.258%	16.58	363	48.13	48.13	0.0	0	0	1,596
Monterey County	2.100%	16.58	363	7.62	7.62	0.0	0	0	253
Alameda	0.133%	16.58	363	0.48	0.48	0.0	0	0	16
Santa Cruz	0.058%	16.58	363	0.21	0.21	0.0	0	0	7
San Mateo	0.032%	16.58	363	0.12	0.12	0.0	0	0	4
Sacramento	0.023%	16.58	363	0.08	0.08	0.0	0	0	3
San Francisco	0.012%	16.58	363	0.04	0.04	0.0	0	0	1
San Joaquin	0.006%	16.58	363	0.02	0.02	0.0	0	0	1
Kern	0.003%	16.58	363	0.01	0.01	0.0	0	0	0
San Rafael	0.003%	16.58	363	0.01	0.01	0.0	0	0	0
Sonoma	0.003%	16.58	363	0.01	0.01	0.0	0	0	0

100.0% 363

Total Sum of Miles	481	2,434	5,007

Notes:

- 1. Trop origin percentage data obtained from Waste Solutions Group Data
- 2. Distance as measured from City centers (City Hall), and the geometric centers of the listed unincorporated Counties
- 3. Assuming current 4-yar average trips for 2016 though 2019 (including added drips of HHW events and employees).
- 4. The Average Increased Trips/Day is current Average Trips/day multiplied by the percent proposed trips increase
- 5. The percentage of vehicle types was obtained from Table 3 of the draft Project Description for 2016 to 2018.

John Smith Road Landfill ATTACHMENT L

Current On-Road Trips and Off-Road Operations Criteria Pollutant Emissions Calculations

Table L1 Total On-Road, Off Site - Waste Hauling Criteria Pollutants - Current Operation (Baseline Summary)

				Daily Total		
	Daily Total NOx	Daily Total ROG	Daily Total PM ₁₀	PM _{2.5} Emissions	Daily Total CO	Daily Total SO ₂
Emissions Source	Emissions (lbs/day)	Emissions (lbs/day)	Emissions (lbs/day)	(lbs/day)	Emissions (lbs/day)	Emissions (lbs/day)
Peak Traffic Day	12.87	1.65	16.77	4.66	30.67	0.18
Peak Tonnage Day	23.22	0.95	25.07	6.59	14.48	0.15
Difference	-10.35	0.69	-8.29	-1.93	16.19	0.03

Note: Waste Hauling includes both on-road and off-road trips to an on the landfill to deliver waste, waste delivery, visitors, employees, and HHW.

Table I.2. Total On-Site Operations Criteria Pollutants - Current Operation

Emissions Source	Daily Total NOx Emissions (lbs/day)	Daily Total ROG Emissions (lbs/day)	Daily Total PM ₁₀ Emissions (lbs/day)	Daily Total PM _{2.5} Emissions	Daily Total CO Emissions (lbs/day)	
Off-Road Operations	17.83	1.35	64.39	18.80	36.12	0.24
On-Road Operations	1.63	0.13	2.19	0.60	0.52	0.00
On-Road/On Site Waste Delivery	0.96	0.95	1.50	0.46	2.94	0.02
Total Operations	19.46	1.48	66.58	19.40	36.64	0.24

Note: Operations include equipment to cover waste and support site operations.

Table L3 Off-Road, On-Site Vehicles for Operations - Current (Baseline) - 2020

		Vehicle Pr	operties				Operation I	Properties						Emission Factors	and Calculations	ı				
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	Model Year (motor)	HP ³	Tier ⁴	Load Factor ⁵	Peak Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	_	Emissions Factor ROG (g/bhp-hr) ⁷	Emissions ROG (lbs/day) ⁹	Emissions Factor PM10 (g/bhp- hr) ⁷	Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ¹¹	Emissions CO (lbs/day) ⁹	Emissions Factor SO ₂ (g/bhp-hr) ¹¹	Emissions SO (lbs/day) ⁹
Dozer (Mainline)	Crawler Tractors	Caterpillar D6T LGP	2015	255	4 (Final)	0.43	8	6	0.260	0.50	0.050	0.10	0.009	0.02	0.195	0.38	2.845	5.50	0.005	0.01
Dozer (Mainline)	Crawler Tractors	Caterpillar D8T Diesel	2015	310	4 (Final)	0.43	8	6	0.260	0.61	0.050	0.12	0.009	0.02	0.195	0.46	2.845	6.69	0.005	0.01
Dozer (Support)	Crawler Tractors	Caterpillar D6R Diesel	2007	200	2	0.43	0	6	4.150	0.00	0.110	0.00	0.088	0.00	0.371	0.00	2.557	0.00	0.005	0.00
Grader	Graders	Caterpillar 140G Diesel	NA	150	2	0.41	2	6	7.600	2.06	0.620	0.17	0.274	0.07	0.274	0.07	0.274	0.07	0.005	0.00
Loader	Rubber Tired Loaders	Caterpillar 938M Diesel	2015	182	4 (Final)	0.36	2	6	12.090	3.49	1.310	0.38	0.605	0.17	0.169	0.05	1.480	0.43	0.057	0.02
Compactor	Rollers	Caterpillar 826K Diesel	2015	426	4 (Final)	0.38	8	6	0.260	0.74	0.050	0.14	0.009	0.03	0.179	0.51	3.245	9.27	0.005	0.01
Backhoe	Tractors/Loaders/Backhoos	Caterpillar 426C Diesel	2000	81.8	2	0.37	4	6	4.750	1.27	0.170	0.05	0.192	0.05	0.143	0.04	1.374	0.37	0.005	0.00
Excavator	Excavators	John Deere 350 Diesel	2001	283	4 (Final)	0.38	6	6	0.260	0.37	0.050	0.07	0.009	0.01	0.362	0.51	3.974	5.65	0.050	0.07
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2004	380	3	0.38	6	6	2.320	4.43	0.090	0.17	0.008	0.02	0.260	0.50	2.332	4.45	0.050	0.10
Fruck Tipper	Other Construction Equipment	Columbia	2015	156	2	0.42	6	6	4.150	3.60	0.150	0.13	0.128	0.11	0.150	0.13	2.407	2.09	0.005	0.00
	Other Construction																			

On-Road Emissions - Equation for Tables L4 and L5

Sum of NOx Daily emissions by pollutant (lb/day) = (emission factor (grams/miles) + deterioration product (grams/mi) (not applicable)) × daily activity (miles/day) × percentage & ROG, operation in California (100%) + 453.59 (grams/lb)

lb/day 14.51 24.17

Off-Road Emissions Equation for Table L

Daily emissions by pollutant (lb/day) = (emission factor (grams/brake hp-hour) + deterioration product (grams/brake hp-hour) (not applicable)) \times horsepower (hp) \times load factor \times daily activity (hours/day) \times percentage operation in California (100%) \div 453.59 grams/lb

ATTACHMENT L

Current On-Road Trips and Off-Road Operations Criteria Pollutant Emissions Calculations

Table 1.4 On-Road, Off Site Vehicles from MBARD Boundary to Entrance Baseline Peak Traffic Day - 2020 (Per MBARD CEQA Guidance Use Summer Emissions Factors for ROG & NOX, and Winter Values for CO, all others use Annual Average)

Site Properties													Emission Factors	s and Calculations									
On-Road Vehicles	Vehicle Category	Peak Daily Mileage from Origin to Landfill	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx(lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG (lbs/day) ⁸	Exhaust Emissions Factor PM10 (g/mile) ¹⁰		Tire Wear D Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions PM10 (lbs/day) ⁸	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰			Exhaust Emissions PM2.5 (lbs/day) ⁸	Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Tire Wear Emissions PM2.5 (lbs/day) ⁸	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Brake Emissions PM2.5 (lbs/day) ⁸	Emissions Factor CO (g/mile) ¹⁰	Emissions CO (lbs/day) ⁸	Emissions Factor SOx (g/mile) ¹⁰	Emissions SOx (lbs/day) ⁸
In-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD1 - Gas)	6,365	1	0.377	5.3	0.106	1.48E+00	0.003	4.07E-02	0.008	1.12E-01	0.089	1.25E+00	0.003	3.78E-02	0.002	2.81E-02	0.033	4.60E-01	1.928	2.71E+01	0.010	1.44E-01
In-County Commercial 74% Diesel	T7-SWCV (Dsl)	98	1	5.439	1.2	0.019	4.14E-03	0.115	2.49E-02	0.036	7.77E-03	0.062	1.33E-02	0.021	4.46E-03	0.009	1.94E-03	0.026	5.71E-03	0.058	1.26E-02	0.035	7.51E-03
In-County Commercial 26% CNG	T7-SWCV (NG)	118	1	0.301	0.1	0.043	1.13E-02	0.003	7.21E-04	0.036	9.40E-03	0.062	1.61E-02	0.003	6.89E-04	0.009	2.35E-03	0.026	6.91E-03	11.219	2.93E+00	0.000	0.00E+00
Out of County Commercial 12, 13	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	921	1	3.115	6.3	0.072	1.46E-01	0.050	1.02E-01	0.036	7.31E-02	0.062	1.25E-01	0.021	4.19E-02	0.009	1.83E-02	0.026	5.37E-02	0.331	6.72E-01	0.013	2.69E-02
TOTALS					12.869		1.646		0.169		0.203		1.406		0.085		0.051		0.526		30.666		0.179

Note: STREX, HTSK, REST, and DIURN were not calculated as vehicle starting, and resting occurs outside of the MBARD District. All RUNL values were zero in the EMFAC 2017 Output for all vehicle types. IDLEX is modeled in Appendix P.

Table L5 On-Road - Off Site Vehicles from MBARD Boundary to Entrance Baseline Peak Tonnage Day - 2020 (Per MBARD CEQA Guidance Use Summer Emissions Factors for ROG & NOX, and Winter Values for CO, all others use Annual Average)

	Site Prop	erties											Emission Factors	and Calculations									
On-Road Vehicles	Vehicle Category	Peak Daily Mileage from Origin to Landfill	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx(lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG (lbs/day) ⁸	Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions PM10 (lbs/day) ⁸	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰			Exhaust Emissions PM2.5 (lbs/day) ⁸	Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Tire Wear Emissions PM2.5 (lbs/day) ⁸	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Brake Emissions PM2.5 (lbs/day) ⁸	Emissions Factor CO (g/mile) ¹⁰	Emissions CO (lbs/day) ⁸	Emissions Factor SOx (g/mile) ¹⁰	Emissions SOx (lbs/day) ⁸
In-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD-1 - Gas)	2,279	1	0.377	1.9	0.106	5.31E-01	0.003	1.46E-02	0.008	4.02E-02	0.089	4.48E-01	0.003	1.35E-02	0.002	1.00E-02	0.033	1.65E-01	1.928	9.68E+00	0.010	5.17E-02
In-County Commercial 74% Diesel	T7-SWCV (Dsl)	346	1	5.439	4.2	0.019	1.46E-02	0.115	8.80E-02	0.036	2.75E-02	0.062	4.71E-02	0.021	1.58E-02	0.009	6.87E-03	0.026	2.02E-02	0.058	4.46E-02	0.035	2.66E-02
In-County Commercial 26% CNG	T7-SWCV (NG)	118	1	0.301	0.1	0.043	1.13E-02	0.003	7.21E-04	0.036	9.40E-03	0.062	1.61E-02	0.003	6.89E-04	0.009	2.35E-03	0.026	6.91E-03	11.219	2.93E+00	0.000	0.00E+00
Out of County Commercial 12, 13	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	2,489	1	3.115	17.1	0.072	3.95E-01	0.050	2.77E-01	0.036	1.98E-01	0.062	3.39E-01	0.021	1.13E-01	0.009	4.94E-02	0.026	5.37E-02	0.331	1.82E+00	0.013	7.28E-02
TOTALS					23.222		0.952		0.380		0.275		0.850		0.143		0.069		0.245		14.475		0.151

Note: STREX, HTSK, REST, and DIURN were not calculated as vehicle starting, and resting occurs outside of the MBARD District. All RUNL values were zero in the EMFAC 2017 Output for all vehicle types. IDLEX is modeled in Appendix P.

Table Lo On-Road, On-Site		, ,			Assumes 1.53 miles	\ 1	8																
	Site Prop	perties											Emission Factors	and Calculations									
On-Road Vehicles	Vehicle Category	Peak Daily Mileage On-Site	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx(lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG (lbs/day) ⁸	Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰		Brake Wear Emissions Factor PM10 (g/mile) ¹⁰		Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5 (lbs/day) ⁸	Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Tire Wear Emissions PM2.5 (lbs/day) ⁸	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Brake Emissions PM2.5 (lbs/day) ⁸	Emissions Factor CO (g/mile) ¹⁰	Emissions CO (lbs/day) ⁸	Emissions Factor SOx (g/mile) ¹⁰	Emissions SOx (lbs/day) ⁸
In-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD-1 - Gas)	662	1	0.377	0.6	0.106	1.54E-01	0.003	4.23E-03	0.008	1.17E-02	0.089	1.30E-01	0.003	3.93E-03	0.002	2.92E-03	0.033	4.78E-02	1.928	2.82E+00	0.010	1.50E-02
In-County Commercial 74% Diesel	T7-SWCV (Dsl)	10	1	5.439	0.1	0.019	4.31E-04	0.115	2.59E-03	0.036	8.09E-04	0.062	1.39E-03	0.021	4.64E-04	0.009	2.02E-04	0.026	5.94E-04	0.058	1.31E-03	0.035	7.82E-04
In-County Commercial 26% CNG	T7-SWCV (NG)	4	1	0.301	0.0	0.043	3.43E-04	0.003	2.18E-05	0.036	2.84E-04	0.062	4.87E-04	0.003	2.08E-05	0.009	7.10E-05	0.026	2.09E-04	11.219	8.86E-02	0.000	0.00E+00
Out of County Commercial 12	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	41	1	3.115	0.3	0.072	6.55E-03	0.050	4.59E-03	0.036	3.28E-03	0.062	5.62E-03	0.021	1.88E-03	0.009	8.20E-04	0.026	5.37E-02	0.331	3.02E-02	0.013	1.21E-03
TOTALS		-			0.959		0.162		0.011		0.016		0.138		0.006		0.004		0.102		2.935		0.017

ATTACHMENT L

Current On-Road Trips and Off-Road Operations Criteria Pollutant Emissions Calculations

Table L5 On-Road, On Site Vehicles for Operations Baseline - 2020

Table E3 Oll-Road, Oll Site v																							
	Vehicle Properties												Emission Factors	and Calculations									
On-Road Vehicles	Vehicle Category	Peak Daily Mileage On-Site	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx(lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG (lbs/day) ⁸	Emissions Factor PM10 (g/mile) ¹⁰		Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions PM10 (lbs/day) ⁸	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰		Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	PM2.5	Tire Wear Emissions Factor 1 PM2.5 (g/mile) ¹⁰	Tire Wear Emissions PM2.5 (lbs/day) ⁸	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Brake Emissions PM2.5 (lbs/day) ⁸	Emissions Factor CO (g/mile) ¹⁰	Emissions CO (lbs/day) ⁸	Emissions Factor SOx (g/mile) ¹⁰	Emissions SOx (lbs/day) ⁸
Ford Mechanic Truck (DSL) 2006	LHD1	20	1	5.58	0.25	0.266	1.17E-02	0.057	3E-03	0.012	5E-04	0.076	3E-03	0.054	2E-03	0.003	1E-04	0.033	1E-03	1.389	6E-02	0.006	2E-04
Fuel Truck (DSL) 2009	LHD2	10	1	2.92	0.06	0.175	3.85E-03	0.038	8E-04	0.012	3E-04	0.089	2E-03	0.036	8E-04	0.003	7E-05	0.038	8E-04	1.003	2E-02	0.006	1E-04
Roll-Off Truck (DSL) 2000	T7 CAIRP	0	1	25.09	0.00	1.748	0.00E+00	0.473	0E+00	0.036	0E+00	0.062	0E+00	0.452	0E+00	0.009	0E+00	0.026	0E+00	3.602	0E+00	0.016	0E+00
Water Truck DSL 2006	T7 CAIRP	50	1	11.97	1.32	1.080	1.19E-01	0.725	8E-02	0.036	4E-03	0.062	7E-03	0.693	8E-02	0.009	1E-03	0.026	3E-03	3.933	4E-01	0.015	2E-03
TOTALS		80			1.630		0.135		0.083		0.005		0.012		0.080		0.001		0.005		0.517		0.002

Note: The values for STREX, HTSK, REST, DIURN, RUNL were all zero in the EMFAC2017 output and were not analyzed.

Sources: CARB, 2017. California Air Resources Board, The Carl Moyer Program Guidelines, 2017 Revisions, Appendix D - Tables for Emissions Reduction and Cost Effectiveness Calculations, Tables D-7 to D-9 for Off-Road Diesel and Non-Mobile Agricultural (Ag) Projects L&A, 2021. Lawrence & Associates, July 2021, Design Basis Report, John Smith Road Landfill Expansion.

CAPCOA, 2017. California Air Pollution Control Officers Association (CAPCOA), version 2017, California Emissions Estimator Model (CaIEE MOD), Appendix D, Default Data Tables

- titions:

 1 Vehicles that best represent items listed in Table D-7 of CARB, 2017.

 2 Vehicles and equipment as listed in Table 26 of L&A, 2021.

 3 Vehicles borsepower as listed in Table 26 of L&A, 2021.

 4 Vehicle tier as listed in Table 26 of L&A, 2021.

 5 Load Factor as listed in Table D-7 of CARB, 2017.

 6 The average working hours from Table 26 if L&A, 2021.

 7 Emission factors obtained from Table D-8 of CARB, 2017.

 8 Referenced equation above was used to calculate emissions as listed in CARB, 2017, Appendix C (Cost-Effectiveness Calculation Methodology).

 9 Referenced equation above was used to calculate emissions as listed in CARB, 2017, Appendix C (Cost-Effectiveness Calculation Methodology).

 10 Values obtained form EMFAC2017 (V.10.2) Emission Rates for San Benito County.

 11 CAPCOA, 2020 Table 3.4 based on Model year rounded to the nearest 5-year increment. Note that Table 3.4 provides emission factors based on a mixture of emissions for PM2.5, CO, and SO2, and is not as precise as the Carl Moyer values for NOx, ROG, PM10.

 13 Values obtained form EMFAC2017 (V.10.2) Emission for CO use Winter EMFA2017

ATTACHMENT L

Current On-Road Trips and Off-Road Operations Criteria Pollutant Emissions Calculations

Table L7 - On Road, Off-Site, Fugitive Road Dust - Baseline Peak Trip Day Option for Waste Delivery

	Paved Day Out of			Paved Road Const.		Unpaved Day Out of					Unpaved Road		
Activity	County Haul Truck Distance ¹	In County Commercial Distance ¹	In County Self Haul Distance ¹		Paved Road PM _{2.5} Emissions per Day	County Haul Truck Distance ²	Distance ²	Haul Distance ²	Control Efficiency ³	PM ₁₀ Emissions per day	PM _{2.5} Emissions per yr	Total Daily Emissions PM ₁₀	Total Daily Emissions PM _{2.5}
	(VMT/Day)	(VMT/Day)	(VMT/Day)	Pounds	Pounds	(VMT/Day)	(VMT/Day)	(VMT/Day)	%	Pounds	Pounds	(lb/day)	(lb/day)
Totals	921	216	6,365	16.27	3.99	0.00	0.00	0.00	75%	0.00	0.00	16.27	3.99

- Assume peak Out of County, In County Commercial, and In County Self Haul from peak-trip day mileage from Attachment K
 Assume peak Out of County, In County Commercial, and In County Self Haul from peak-trip day trips from Attachment K x 2 miles per trip
- 3 Assume graveled road with no dust palliative and some watering

1	able L8 - On-Road, On Site	Fugitive Road Dust -	Baseline Peak Trip Day Op	otion for Waste Delive	ry	Paved:	0.45	Unpaved:	0.76					
A	ctivity	Paved Day Out of County Haul Truck Distance ¹	In County Commercial Distance ¹				Unpaved Day Out of County Haul Truck Distance ²	Support Vehicle	In County Self Haul Distance ²	Control Efficiency ³	Unpaved Road PM ₁₀ Emissions per day		Total Daily Emissions PM ₁₀	Total Daily Emissions PM _{2.5}
	-	(VMT/Day)	(VMT/Day)	(VMT/Day)	Pounds	Pounds	(VMT/Day)	(VMT/Day)	(VMT/Day)	%	Pounds	Pounds	(lb/day)	(lb/day)
T	otals	12	4	433	5.55	0.16	20.52	6.84	329.08	75%	35.18	3.51	40.74	3.67

- 1 Assume peak Out of County, In County Commercial, and In County Self Haul from peak-trip day mileage from Attachment K
- 2 Assume peak Out of County, In County Commercial, and In County Self Haul from peak-trip day trips from Attachment K x 2 miles per trip 3 Assume graveled road with no dust palliative and some watering

Table L9 - On-Road, Off Site Fugitive Road Dust - Baseline Peak Tonnage Day Option for Waste Delivery (selected for analysis as the highest PM 10 option)

Tubic Es on Houa, or		Buseine rean ronninge Bu	<i>y</i> - 1			8	· ,						
	Paved Day Out of			Paved Road Const.		Paved Day Out of	Unpayed Day			Unpaved Road	Unpaved Road		
	County Haul Truck	In County Commercial	In County Self Haul	PM ₁₀ Emissions per	Paved Road PM _{2.5}	County Haul Truck	Support Vehicle	In County Self	Control	PM ₁₀ Emissions	PM _{2.5} Emissions	Total Daily	Total Daily
Activity	Distance ¹	Distance ¹	Distance ¹	Day	Emissions per Day	Distance ²	Distance ²	Haul Distance ²	Efficiency ³	per day	per yr	Emissions PM ₁₀	Emissions PM _{2.5}
	(VMT/Day)	(VMT/Day)	(VMT/Day)	Pounds	Pounds	(VMT/Day)	(VMT/Day)	(VMT/Day)	%	Pounds	Pounds	(lb/day)	(lb/day)
Totals	2,489	465	2,279	24.97	6.13	0.00	0.00	0.00	75%	0.00	0.00	24.97	6.13

- tes:

 1 Assume peak Out of County, In County Commercial, and In County Self Haul from peak-tonnage day mileage from Attachment K

 2 Assume peak Out of County, In County Commercial, and In County Self Haul from peak-tonnage day trips from Attachment K x 2 miles per trip
- 3 Assume graveled road with no dust palliative and some watering

Table L10 - On-Road, On-Site Fugitive Dust - Support Vehicles Baseline Operations On Site

Activity	Paved Day Large Haul Truck Distance	Paved Day Support Vehicle Distance ¹		Paved Road PM _{2.5} Emissions per Day			Control Efficiency ⁵		Unpaved Road PM _{2.5} Emissions	1 Otal Dally	Total Daily Emissions PM ₂₅
	(VMT/Day)	(VMT/Day)	Pounds	Pounds	(VMT/Day)	(VMT/Day)	%	Pounds	Pounds	(lb/day)	(lb/day)
Totals	0.00	40.00	2.09	0.51	5.30	40.00	75%	23.40	9.29	23.91	9.80

- 1 Assume 50% of the mileage is on road
 2 Assume 140 CY/day for 20 cy/ load struck = 7 loads at 4,000 feet round trip
- 2 Assume 50% of the mileage is off road
 4 Assume graveled road with no dust palliative and some watering
 5 Does not apply to tracked equipment that does not drive on roads

Emission factors for Paved Surfaces on Public Roads

From CalEEMod 2016-3-2 User's Guide $Eext = [k(sL)^{0.91}(W)^{1.02}]x (1 - \frac{P}{4N})$

- Where:

 Ep = particulate matter factor (having units matching the units of K)

 k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.1-1

 sL = road surface silt loading (g/m2)

 W = Average weight (tons) of the vehicles traveling the road

 P = number of wet days with at least 0.01 inch or precipitation during the averaging period

 N = number of averaging days for period

 Assume (1-P/4N) = 1 for a dry day

When:	Out of County Units	In County Commercial Units	In County Self	Source
k _{2.5} =	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT	AP-42 Table 13.2.1-1
$k_{10} =$	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT	AP-42 Table 13.2.1-1
On Site sL =	1.1 g/m2	1.1 g/m2	1.1 g/m2	AP-42 Table 13.2.1-2, = 0.1 or high ADT road (>5000 tpd or 3.5 t/min) and 0.4 for low ADT road
Off Site $sL =$	0.1 g/m2	0.1	0.1	
W =	27.00 tons	20.5 tons	4.4 tons	Table O2
On Site P =	1.00 days	1.00 days	1.00 days	Assume Dry
On Site N =	1 days	1 days	1 days	Assume Watered Surface
Then:				
On Site Ep _{2.5} =	0.001 lb/VMT	0.013 lb/VMT	0.003 lb/VMT	
On Site Ep ₁₀ =	0.052 lb/VMT	0.052 lb/VMT	0.011 lb/VMT	
Off Site Ep _{2.5} =	0.002 lb/VMT	0.001 lb/VMT	0.000 lb/VMT	Use Off Site -High Frequency Roadway to simulate street sweeping
Off Site Ep ₁₀ =	0.008 lb/VMT	0.006 lb/VMT	0.001 lb/VMT	

Table L11 - Table O2 Peak Traffic Day Vehicle Weight Assumptions (assumes full load in and empty out)

Table Eff - Table O2 Feat	K ITAINC Day Venicie We	ignt Assumptions (assumes	Tun ioau in and empty	(Out)	
Category	Type	GVW, lb	NVW, lb	Average, lb	Av Tons
Self-Haul Residential	Ford F250 Gross Weight	9,900	7,700	8,800	4.4
In County Commercial	Garbage Truck	51,000	31,000	41,000	20.5
Out of County Commercial	Transfer Truck	75,000	33,000	54,000	27

GVW: Gross vehicle weight including load

NVWL Net vehicle weight or :"curb weight" without load

ATTACHMENT L

Current On-Road Trips and Off-Road Operations Criteria Pollutant Emissions Calculations

Unpaved Public Roads Emission Factor From CalEEMod 2016-3-2 User's Guide

Equation from CalEEMod Appendix A, page 28

0.15 0.56793529 0.707106781 0.707106781 1.430969081 0.060238634 0.042096391 0.00036 0.041736391

Per AP-42 Table 13.2.2-2 for public roads

Site speed limit

Per AP-42 Table 13.2.2-4

Per Ar-42 Table 13.2.2-2 for public roads
Per AP-42 Table 13.2.2-1 for public roads
Per AP-42 Table 13.2.2-1 for landfills, mean of graveled roads

Site speed limit
Assuming 25% of 12% maximum moisture content
Per AP-42 Table 13.2.2-4

EF Dust = $[((k * (s/12)^a * (S/30)^b) / (M/0.5)^c)$ -C] * (1-P/365)

Where:

EF = size-specific emission factor (lb/VMT) for unpaved surface

k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2

a = Constant from AP-42 for public or industrial road

b = Constant from AP-42 for public or industrial road

c = Constant from AP-42 for public or industrial road

s = surface material silt content (%)

S = mean vehicle speed (mph)
M = surface material moisture (%)

The state of the s

Assume (1-P/365) = 1 for a dry day

When:	Out of County Units	In County Commercial Units	In County Self Units
k _{2.5} =	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT
a =	1 Constant for public road		
b =	0.5 Constant for public road		
c =	0.2 Constant for public road		
$_{S} =$	6.4 %	6.4 %	6.4 %
S =	15 mph	15 tons	15.0 tons
M =	3 %	3	3
C _{2.5} =	0.00036 lb/VMT	0.00036 lb/VMT	0.00036 lb/VMT
$C_{10} =$	0.00047 lb/VMT	0.00047 lb/VMT	0.00047 lb/VMT
Then:			
Eup2.5 =	0.043 lb/VMT	0.039 lb/VMT	0.039 lb/VMT
$E_{UP}10 =$	0.395 lb/VMT	0.395 lb/VMT	0.395 lb/VMT

Unpaved Road Emission Factor For Industrial Roads
Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

 $E = k * (s/12)^a * (W/3)^b$

where:

Eup = size-specific emission factor (lb/VMT) for unpaved surface

k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2

s = surface material silt content (%)

W = mean vehicle weight (tons)

a = industrial road constant from AP-42, Table 13.2.2-2 b = industrial road constant from AP-42, Table 13.2.2-2

When:	Haul Units	Support Units	Small Units	Source
k _{2.5} =	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
s =	6.4 %	6.4 %	6.4 %	Per AP-42 Table 13.2.2-1 for landfills, mean or graveled roads
W =	48.8 tons	18.8 tons	4.4 tons	Table O2
a =	0.9	0.9	0.9	Per AP-42 Table 13.2.2-2 for industrial roads
b =	0.45	0.45	0.45	Per AP-42 Table 13.2.2-2 for industrial roads
Then:				
Fup2 5 =	0.299 lb/VMT	0.194 lb/VMT	0.101 lb/VMT	

1.012 lb/VMT

Table L12 - Operations Average Vehicle Weight Assumptions (assumes full load in and empty out)

Category	Type	Percent	GVW, lb	NVW, lb	Average, lb	Av Tons
Small Vehicle	Ford F250 Gross Weight		9,900	7,700	8,800	4.4
Commercial Vehicle						
	Ford Mechanic Truck					
Average of:	(DSL) 2006	25%	14,000	8,600	11,300	5.65
	Fuel Truck (DSL) 2009	13%	63,000	29,500	46,250	23.13
	Roll-Off Truck (DSL) 2000	0%	63,000	29,500	46,250	23.13
	Water Truck DSL 2006	63%	63,000	29,500	46,250	23.13
	Weighted Average:					18.8
Off Road Dump	John Deer 350G		133,379	61,730	97,555	48.8

GVW: Gross vehicle weight including load NVWL Net vehicle weight or :"curb weight" without load

Grading Equipment Passes CalEEMod 2020.4.0, Appendix A Page 8

 $EF_{PM15} = 0.051 \text{ x (S)}^{2.0}$, and $EF_{PM10} = EF_{PM15} \text{ x } F_{PM10}$

EF_{TSP} - 0.4 x (S)^{2.5}, and EF $_{PM2.5}$ = EF_{TSP} x $_{PM2.5}$

Where : EF = emissions factor (lb/VMT) Typical grading areas Acres per day S = mean vehicle speed (mph) $F_{PM2.5} = PM_{2.5}$ scaling factor. $F_{PM10} = PM_{10}$ scaling factor. AP-42 Default = AP-42 Default = 7.1 0.03 Crawler Tractors (Dozer) Graders AP-42 Default = Scrapers

28.4 Grader 2 hr/day, Loader 2hr/day 0.12 Grader 2 hr/day, Loader 2hr/day 1.543 lb/VMT EFPM10 = EFPM2.5 =

ATTACHMENT L

Current On-Road Trips and Off-Road Operations Criteria Pollutant Emissions Calculations

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Bulldozers CalEEMod
                                                                                                                          CalEEMod 2020.4.0, Appendix A Page 8
                                                                     EF_{PM15} = \left(C_{PM15} \ x \ s^{1.5}\right) / \ M^{1.4} \ \ , and EF_{PM10} = EF_{PM15} \ x \ F_{PM10}
                                                                      EF_{TSP} - (C _{TSP} x s ^{1.2} )/ M^{1.3} , and EF _{PM2.5} = EF_{TSP} x F_{PM2.5}
                                                  \label{eq:where:bound} \begin{split} Where: & EF = \text{ emissions factor (lb/hr)} \\ & C = \text{ Coefficient used by AP-42} \\ & s = \text{ Material silt content (%)} \\ & M = \text{ Material moisture content (%)} \\ & F_{PM2.5} = PM_{2.5} \text{ scaling factor.} \qquad AP-42 \text{ default is } 0.031 \\ & F_{PM10} = PM_{10} \text{ scaling factor.} \qquad AP-42 \text{ default is } 0.6 \end{split}
                                                                                                                                                                                          Per AP-42 defaults for Overburden
                                                                                                                                                                                                                              \begin{aligned} &C_{TSP} = 5.7 \\ &s = 6.90 \\ &M = 7.90 \\ &F_{PM2.5} = 0.105 \\ &F_{PM10} = 0.75 \end{aligned}
                                                                                                                                                                                                                                                                                                               C_{PM15} = 1
                                                  \begin{aligned} & \mathrm{EF_{PM10}} = \\ & \mathrm{EF_{PM2.5}} = \end{aligned}
                                                                                                                                                                                                                                                                          12.04 2 dozers from above
6.62 2 dozer from above
                                                                                                             0.753 lb/hr x hr/day
0.414 lb/hr x hr/day
                                                                                                                    2 lb/hr x hours =
                          Hours of Operation =
                                 Truck Loading
EF_D = k \times (0.0032) \times ((U/5)^{1.3} / (M/2)^{1.4})
                                                   Where:

EF = emissions factor (lb/ton)

k = Particle size multiplier

U = mean wind speed (mph)

M = Material moisture content
                                                                                                                                                                                           Per AP-42 defaults for Overburden
                                                                                                                                                                                                                                PM_{10} = 0.35
                                                                                                                                                                                                                                                                                                               PM_{2.5} = 0.053
                                                                                                                                                                                                                                     M = 9.00
                                                    Assume:
U =
                                                                                                          6.7 , mph based on size specific wind data
30 CY loose,
1.3 CY loose/ CY banked
1.6875 t/cy
140 cy/day
236 t/day
                                    U =
Load size =
Fluff factor =
Banked density =
Production =
Production =
                                                                                                                                                                                                                                                                                        x 2 for loading and unloading stages x 2 for loading and unloading stages
                                                                                                          0.0002 lb/ton x production =
                                                                                                                                                                                                                                     0.05 lb/dy
                                                 EF_{PM10} =
                                                                                                          0.00003 lb/ton x production =
                                                                                                                                                                                                                                   0.01 lb/dy
                                                  EF_{PM2.5} =
```

John Smith Road Landfill DEIR Appendix B



ATTACHMENT M

Proposed Project On-Road Trips and Off-Road Operations Criteria Pollutant Emissions Calculations

Table M1 Total On-Road, Off Site Waste Hauling Criteria Pollutants - Proposed Project Summary

Emissions Source	Daily Total NOx Emissions (lbs/day)	Daily Total ROG Emissions (lbs/day)	Daily Total PM ₁₀ Emissions (lbs/day)	Daily Total PM _{2.5} Emissions (lbs/day)	Daily Total CO Emissions (lbs/day)	Daily Total SO: Emissions (lbs/day
Peak Traffic Day Option	6.51	0.15	18.98	4.99	3.75	0.15
Peak Tonnage Day Option	22.57	0.29	46.88	11.98	6.02	0.16
Difference	-16.06	-0.14	-27.90	-6.98	-2.26	-0.01
Baseline - Peak Traffic	12.87	1.65	16.77	4.66	30.67	0.18
Baseline - Peak Tonnage	23.22	0.95	25.07	6.59	14.48	0.15
Change - Peak Traffic	-6.36	-1.50	2.21	0.34	-26.91	-0.02
Change - Peak Tonnage	-0.65	-0.66	21.81	5.39	-8.46	0.01

Table M2 Total Operations Criteria Pollutants - Proposed Project

Emissions Source	Daily Total NOx Emissions (lbs/day)	Daily Total ROG Emissions (lbs/day)	Daily Total PM ₁₀ Emissions (lbs/day)	Daily Total PM _{2.5} Emissions (lbs/day)	Daily Total CO Emissions (lbs/day)	Daily Total SO ₂ Emissions (lbs/day)
Off-Road Operations	10.38	1.36	34.28	10.54	28.17	0.08
On-Road Operations	2.65	0.17	2.69	0.73	3.40	0.00
On-Road On-Site Waste Delivery	0.73	0.03	13.40	2.58	0.88	0.03
Totals	13.76	1.56	50.38	13.85	32.45	0.12
Baseline	19.46	1.48	66.58	19.40	36.64	0.24

On-Road Emissions - Equation for Tables M4 and M5

& ROG, lb/day 6.66

22.86

Sum of NOx

Daily emissions by pollutant (lb/day) = (emission factor (grams/miles) + deterioration product (grams/mil) (not applicable)) × daily activity (miles/day) × percentage operation in California (100%) ÷ 453.59 (grams/lb)

Off-Road Emissions Equation for Table M3

Daily emissions by pollutant (lb/day) = (emission factor (grams/brake hp-hour) + deterioration product (grams/brake hp-hour) (not applicable)) × horsepower (hp) × load factor × daily activity (hours/day) × percentage operation in California (100%) ÷ 453.59 grams/lb

JSRL is located in Area B of the Map of Districts Designated Areas, Per MBARD Rule 207.

Table M3 Off-Road Vehicles for Operations - Assumes that all equipment will be Model Year 2020 or Tier 4F by 2035

		Vehicle Pro	perties				Operation	Properties						Emission Factor	s and Calculations					
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	Model Year ¹⁴	HP ³	Tier ⁴	Load Factor ⁵	Peak Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp-hr) ⁷	Emissions ROG (lbs/day) ⁹	Emissions Factor PM10 (g/bhp-hr) ⁷		Emissions Factor PM2.5 (g/bhp-hr) ¹	.	Emissions Facto CO (g/bhp-hr) Emissions Facto	Emissions CO (lbs/day) ⁹	Emissions Factor SO ₂ (g/bhp-hr) ¹¹	Emissions SO ₂ (lbs/day) ⁹
Dozer (Mainline)	Crawler Tractors	Caterpillar D6T LGP	2020	255	4 (Final)	0.43	8	7	0.26	0.50	0.050	0.10	0.009	0.02	0.130	0.25	2.088	4.04	0.005	0.01
Dozer (Mainline)	Crawler Tractors	Caterpillar D8T Diesel	2020	310	4 (Final)	0.43	8	7	0.26	0.61	0.050	0.12	0.009	0.02	0.130	0.31	2.088	4.91	0.005	0.01
Dozer (Support)	Crawler Tractors	Caterpillar D6R Diesel	2020	310	4 (Final)	0.43	2	7	0.26	0.15	0.050	0.03	0.009	0.01	0.130	0.08	2.088	1.23	0.005	0.00
Grader	Graders	Caterpillar 140G Diesel	2020	150	4 (Final)	0.41	2	7	7.60	2.06	0.620	0.17	0.009	0.00	0.284	0.08	3.621	0.98	0.005	0.00
.oader	Rubber Tired Loaders	Caterpillar 938M Diesel	2020	182	4 (Final)	0.36	2	7	12.09	3.49	1.310	0.38	0.009	0.00	0.104	0.03	1.269	0.37	0.005	0.00
Compactor	Rollers	Caterpillar 826K Diesel	2020	426	4 (Final)	0.38	8	7	0.26	0.74	0.050	0.14	0.009	0.03	0.082	0.23	1.253	3.58	0.005	0.01
Compactor	Rollers	Caterpillar 826A	2020	426	4 (Final)	0.38	4	7	0.26	0.37	0.050	0.07	0.009	0.01	0.082	0.12	1.253	1.79	0.005	0.01
Backhoe	Tractors/Loaders/Backhoe s	Caterpillar 426C Diesel	2020	81.8	4 (Final)	0.37	2	7	0.26	0.03	0.050	0.01	0.009	0.00	0.193	0.03	3.601	0.48	0.005	0.00
Excavator	Excavators	John Deere 350 Diesel	2020	283	4 (Final)	0.38	6	7	0.26	0.37	0.050	0.07	0.009	0.01	0.048	0.07	1.102	1.57	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2020	380	4 (Final)	0.38	8	7	0.26	0.66	0.050	0.13	0.009	0.02	0.079	0.20	1.414	3.60	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2020	380	4 (Final)	0.38	4	7	0.26	0.33	0.050	0.06	0.009	0.01	0.079	0.10	1.414	1.80	0.005	0.01
ruck Tipper	Other Construction Equipment	Columbia	2015	156	4 (Final)	0.42	8	7	0.26	0.30	0.050	0.06	0.009	0.01	0.150	0.17	2.407	2.78	0.005	0.01
Street Sweeper	Other Construction Equipment	Elgin	2020	74	4 (Final)	0.42	4	7	2.74	0.75	0.090	0.02	0.009	0.00	0.331	0.09	3.828	1.05	0.005	0.00
Totals	•		•		•	•	•	•		10.38	İ	1.36		0.15		1.7	5	28.1	7	0.0

2050 Assumes Peak traffic will occur near the end of the site life in approximatelt 2085 or 2086. The average site life would be in approximately 2054. EMFAC2017 goes as far forward as 2050.

Assuming 2050 Emissions Year with aggregate speed, annual aggregate, and aggregate model year (Per MBARD CEQA Guidance Use Summer Emissions Factors for ROG & NOX, and Winter Values for CO, all others use Annual Average) Table M4 On-Road Off Site Vehicles - Proposed Project Peak Traffic Day

Table M4 On-Road, Off Site V	venicies - 110poseu 110	jeet i cak i raine Day		Assuming 2050 Emissions	Year with aggregate spe	cu, aiiiuai aggicgate, ai	nd aggregate moder	,cai	(I G WIDARD CI	2Q/1 Guidance Osc	Summer Limssic	ons Factors for ROG	ce 11021, and white	ci values for co, an	others use / timuui / tve	auge)							
Site Properties												E	mission Factors a	nd Calculations									
On-Road Vehicles	Vehicle Category	Peak Daily Mileage from Origin to Landfill	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx(lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG (lbs/day) ⁸	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions PM10 (lbs/day) ⁸	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions PM10 (lbs/day) ⁸	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰	Brake Wear Emissions PM10 (lbs/day) ⁸	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5 (lbs/day) ⁸			Brake Wear 5 Emissions Factor PM2.5 (g/mile) ¹⁰	Brake Emissions PM2.5 (lbs/day) ⁸	Emissions Factor CO (g/mile) ¹⁰	Emissions CO (lbs/day) ⁸	Emissions Factor SOx (g/mile) ¹⁰	Emissions SOx (lbs/day) ⁸
In-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD1 - Gas)	7,407	1	0.140	2.281	0.006	9.86E-02	0.002	3.60E-02	0.008	1.31E-01	0.076	1.25E+00	0.002	3.31E-02	0.002	3.27E-02	0.033	5.35E-01	0.145	2.37E+00	0.008	1.30E-01
In-County Commercial 74% Diesel 11, 1	13 T7-SWCV (Dsl)	113	1	0.446	0.111	0.024	6.07E-03	0.018	4.39E-03	0.036	8.98E-03	0.062	5.74E-09	0.017	4.20E-03	0.000	0.00E+00	0.056	1.39E-02	0.066	1.65E-02	0.025	6.24E-03
In-County Commercial 26% CNG	T7-SWCV (NG)	40	1	0.301	0.026	0.043	3.81E-03	0.003	2.42E-04	0.036	3.15E-03	0.062	1.60E-09	0.003	2.31E-04	0.009	7.89E-04	0.026	2.32E-03	11.219	9.83E-01	0.000	0.00E+00
Out of County Commercial ^{12, 13}	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	936	1	1.985	4.094	0.020	4.12E-02	0.028	5.79E-02	0.036	7.43E-02	0.062	1.27E-01	0.027	5.54E-02	0.009	1.86E-02	0.026	5.46E-02	0.186	3.83E-01	0.009	1.84E-02
TOTALS	TOTALS				6.513		0.150		0.099	1	0.217	1	1.376	ì	0.093		0.052		0.606		3.751		0.155

Note: STREX, HTSK, REST, and DIURN were not calculated as vehicle starting, and resting occurs outside of the MBARD District. All RUNL values were zero in the EMFAC 2017 Output for all vehicle types. IDLEX is modeled in Appendix P.

ATTACHMENT M

Proposed Project On-Road Trips and Off-Road Operations Criteria Pollutant Emissions Calculations

Tonnage would peak around 2070. The average of the site lif up to that date wpould be appriximately 2042. Emissions factors for 20 42 are assumed to represent the averg or mid point through the life during whick peak tons would be accepted.

Table M5 On-Road, Off Site Vehi	icles Proposed Proje	ct Peak Tonnage Day		Assuming 2042 Emissions	Year with aggregate sp	eed, annual aggregate, a	nd aggregate model y	ear	(Per MBARD CEC	A Guidance Use S	Summer Emission	ns Factors for ROG &	k NOX, and Winter	r Values for CO, all	others use Annual Avera	age)				
	Site Propertie	s										E	mission Factors a	nd Calculations						
On-Road Vehicles	Vehicle Category	Peak Daily Mileage from	Load Factor ⁵	Emissions Factor NOx	Emissions 8	Emissions Factor	Emissions ROG	Exhaust Emissions Factor	Exhaust Emissions PM10	Tire Wear Emissions	Tire Wear Emissions	Brake Wear Emissions Factor		Exhaust Emissions Factor PM2.5	Exhaust Emissions	Tire Wear Emissions	Tire Wear Emissions PM2.5	Brake Wear Emissions Factor	Brake Emissions	Emissions Factor CO

	Site Properties	8		Emission Factors and Calculations																			
On-Road Vehicles	Vehicle Category	Peak Daily Mileage from Origin to Landfill	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx(lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG (lbs/day) ⁸	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions PM10 (lbs/day) ⁸	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions PM10 (lbs/day) ⁸	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰		Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5 (lbs/day) ⁸	Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Tire Wear Emissions PM2.5 (lbs/day) ⁸	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Brake Emissions PM2.5 (lbs/day) ⁸	Emissions Factor CO (g/mile) ¹⁰	Emissions CO (lbs/day) ⁸	Emissions Factor SOx (g/mile) ¹⁰	Emissions SOx (lbs/day) ⁸
In-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD-1 - Gas)	2,434	1	0.052	0.277	0.007	3.72E-02	0.002	1.18E-02	0.008	4.29E-02	0.076	4.10E-01	0.002	1.09E-02	0.002	1.07E-02	0.033	1.76E-01	0.153	8.23E-01	0.008	4.28E-02
In-County Commercial Diesel ^{11, 13}	T7-SWCV (Dsl)	356	1	0.446	0.350	0.024	1.91E-02	0.018	1.38E-02	0.036	2.83E-02	0.062	4.85E-02	0.017	1.32E-02	0.000	0.00E+00	0.056	4.39E-02	0.066	5.20E-02	0.025	1.97E-02
In County Commercial CNG	T7-SWCV (NG)	125	1	0.301	0.083	0.043	1.20E-02	0.003	7.61E-04	0.036	9.93E-03	0.062	1.70E-02	0.003	7.28E-04	0.009	2.48E-03	0.026	7.30E-03	11.219	3.09E+00	0.000	0.00E+00
Out of County Commercial 12, 13	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	5,007	1	1.981	21.863	0.020	2.20E-01	0.028	3.10E-01	0.036	3.97E-01	0.062	6.82E-01	0.027	2.96E-01	0.009	9.94E-02	0.026	2.92E-01	0.185	2.05E+00	0.009	9.82E-02
TOTALS		-			22.573		0.288		0.336		0.479		1.157		0.321		0.113		0.519		6.015		0.161

Note: STREX, HTSK, REST, and DIURN were not calculated as vehicle starting, and resting occurs outside of the MBARD District. All RUNL values were zero in the EMFAC 2017 Output for all vehicle types. IDLEX is modeled in Appendix P.

Table M6 On-Road Waste De	elivery On-Site Vehicles	Proposed Project Peak T	rip Day		Assuming 2042 Emission	ons Year	Miles On Site	3.31	Round Trip from F	Figure B12	(Per MBARD 0	EQA Guidance Use	Summer Emissions	s Factors for ROG &	NOX, and Winter Valu	ues for CO, all othe	rs use Annual Aver	rage)					
	Site Propertie	s										Er	nission Factors a	nd Calculations									
On-Road Vehicles	Vehicle Category	Peak Daily Mileage from Origin to Landfill	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx(lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	(lbs/day)8	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions PM10 (lbs/day) ⁸	Emissions	Tire Wear Emissions PM10 (lbs/day) ⁸	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰	Brake Wear Emissions PM10 (lbs/day) ⁸		Exhaust Emissions PM2.5 (lbs/day) ⁸	Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰		Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Brake Emissions PM2.5 (lbs/day) ⁸	Emissions Factor CO (g/mile) ¹⁰	Emissions CO (lbs/day) ⁸	Emissions Factor SOx (g/mile) ¹⁰	Emissions SOx (lbs/day) ⁸
In-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD-1 - Gas)	1,764	1	0.052	0.201	0.007	2.70E-02	0.002	8.58E-03	0.008	3.11E-02	0.076	2.97E-01	0.002	7.89E-03	0.002	7.78E-03	0.033	1.27E-01	0.153	5.97E-01	0.008	3.10E-02
r o . o . r mr . dl	TT CIVICU (D. I)	0.7		0.446	0.026	0.024	1.450.03	0.010	1.050.03	0.036	2.145.02	0.062	2 (7E 02	0.017	1.000.03	0.000	0.000.00	0.056	2.225.02	0.066	2.025.02	0.025	1 405 03

				(8)	(,		(,	PM10 (g/mile) ¹⁰	(lbs/day)°	(g/mile) ¹⁰	(lbs/day)8	PM10 (g/mile)10	(lbs/day)	(g/mile)10	,	(g/mile) ¹⁰	(lbs/day)°	PM2.5 (g/mile) ¹⁰	(lbs/day)8	(g/mile)10	(,	1	(,
In-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD-1 - Gas)	1,764	1	0.052	0.201	0.007	2.70E-02	0.002	8.58E-03	0.008	3.11E-02	0.076	2.97E-01	0.002	7.89E-03	0.002	7.78E-03	0.033	1.27E-01	0.153	5.97E-01	0.008	3.10E-02
In-County Commercial Diesel ¹¹	T7-SWCV (Dsl)	27	1	0.446	0.026	0.024	1.45E-03	0.018	1.05E-03	0.036	2.14E-03	0.062	3.67E-03	0.017	1.00E-03	0.000	0.00E+00	0.056	3.32E-03	0.066	3.93E-03	0.025	1.49E-03
In County Commercial CNG	T7-SWCV (NG)	9	1	0.301	0.006	0.043	9.07E-04	0.003	5.76E-05	0.036	7.51E-04	0.062	1.29E-03	0.003	5.51E-05	0.009	1.88E-04	0.026	5.52E-04	11.219	2.34E-01	0.000	0.00E+00
Out of County Commercial 12	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	113	1	1.981	0.491	0.020	4.95E-03	0.028	6.96E-03	0.036	8.93E-03	0.062	1.53E-02	0.027	6.66E-03	0.009	2.23E-03	0.026	6.56E-03	0.185	4.60E-02	0.009	2.21E-03
			•			1						1						_					

Table M7 On-Road Vehicles for Operations	Assume 2020 Emissions Year with the Model Years Shown Below	Assume average annual emissions.

\	Vehicle Properties		Em	nission Factors and Calcula	tions																		
On-Road Vehicles	Vehicle Category	Peak Mileage/Day	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx(lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG(lbs/day) ⁸	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions PM10 (lbs/day) ⁸	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions PM10 (lbs/day) ⁸	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰		Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5 (lbs/day) ⁸		Tire Wear Emissions PM2.5 (lbs/day) ⁸	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Brake Emissions PM2.5 (lbs/day) ⁸	Emissions Factor CO (g/mile) ¹⁰	Emissions CO (lbs/day) ⁸	Emissions Factor SOx (g/mile) ¹⁰	Emissions SOx (lbs/day) ⁸
Ford Mechanic Truck (DSL) 2010	LHD1	20	1	0.28	0.01	0.129	5.68E-03	0.020	9E-04	0.012	5E-04	0.076	3E-03	0.019	8E-04	0.003	1E-04	0.033	1E-03	0.677	3E-02	0.006	2E-04
Fuel Truck (DSL) 2010	LHD2	10	1	0.28	0.01	0.129	2.84E-03	0.020	4E-04	0.012	3E-06	0.089	2E-03	0.019	4E-04	0.003	7E-05	0.038	8E-04	1.003	2E-02	0.006	1E-04
Roll-Off Truck (DSL) 2010	T7 CAIRP	20	1	8.01	0.35	0.309	1.36E-02	0.075	3.32E-03	0.036	1.59E-03	0.062	2.72E-03	0.072	3.18E-03	0.009	3.97E-04	0.026	1.17E-03	0.062	2.72E-03	0.016	6.84E-04
Water Truck, (DSL) 2010	T7 CAIRP	50	1	8.01	0.88	0.309	3.41E-02	0.075	8E-03	0.036	7E-03	0.062	7E-03	0.072	8E-03	0.009	1E-03	0.026	3E-03	0.062	7E-03	0.016	2E-03
Water Truck DSL (Backup), 2006	T7 CAIRP	50	1	11.97	1.32	0.949	1.05E-01	0.725	8E-02	0.036	4E-03	0.062	7E-03	0.693	8E-02	0.009	1E-03	0.026	3E-03	3.933	4E-01	0.015	2E-03
RNG Tube Truck CNG (3.44 loads/dy)	T7 SWCV (2023)	117	1	0.31	0.08	0.043	1.12E-02	0.003	7E-04	0.036	9E-03	0.062	2E-02	0.003	7E-04	0.009	2E-03	0.026	7E-03	11.219	3E+00	0.000	0E+00
TOTALS		150			2.655		0.172		0.094		0.023		0.038		0.089		0.005		0.016		3.396	1	0.004

Sources: CARB, 2017. California Air Resources Board, The Carl Moyer Program Guidelines, 2017 Revisions, Appendix D - Tables for Emissions Reduction and Cost Effectiveness Calculations, Tables D-7 to D-9 for Off-Road Diesel and Non-Mobile Agricultural (Ag) Projects L&A, 2021. Lawrence & Associates, July 2021, Design Basis Report, John Smith Road Landfill Expansion.

CAPCOA, 2017. California Air Pollution Control Officers Association (CAPCOA), version 2017, California Emissions Estimator Model (CalEE MOD), Appendix D, Default Data Tables

1 Vehicles that best represent items listed in Table D-7 of CARB, 2017.
2 Vehicles and equipment as listed in Table 26 of L&A, 2021.

3 Vehicles horsepower as listed in Table 26 of L&A, 2021. 4 Vehicle tier as listed in Table 26 of L&A, 2021.

5 Load Factor as listed in Table D-7 of CARB, 2017.

6 The average working hours from Table 26 if L&A, 2021.
7 Emission factors obtained from Table D-8 of CARB, 2017.

8 Referenced equation above was used to calculate emissions as listed in CARB, 2017, Appendix C (Cost-Effectiveness Calculation Methodology).
9 Referenced equation above was used to calculate emissions as listed in CARB, 2017, Appendix C (Cost-Effectiveness Calculation Methodology).

10 Values obtained form EMFAC2017 (v1.0.2) Emission Rates for San Benito County.

11 CAPCOA, 2020 Table 3.4 based on Model year rounded to the nearest 5-year increment. Note that Table 3.4 provides emission factors based on a mixture of emissions for PM2.5, CO, and SO2, and is not as precise as the Carl Moyer values for NOx, ROG, PM10. 13 Values obtained for NOx and PM10 use Summer EMFAC2017, and values for CO use Winter EMFA2017

Note: The values for STREX, HTSK, REST, DIURN, RUNL were all zero in the EMFAC2017 output and were not analyzed.

$Table\ \underline{M8-On-Road}, \underline{Off}\ Site\ Fugitive\ Road\ Dust-Proposed\ Project\ Peak\ Trip\ Day\ Waste\ Delivery$ Inpaved Day Ir Paved Day Out of Paved Day In County County PM_{2.5} Commercial Vehicle In County Self Haul Control County Haul Truck Paved Road Const. Paved Road PM2. County Haul Truck Commercial In County Self PM₁₀ Emission **Total Daily** Total Daily per day Distance1 Distance1 Distance² Vehicle Distance² Haul Distance^{2,4} Efficiency³ Distance¹ PM₁₀ Emissions per Day Emissions per Day Emissions PM missions PM (VMT/Day) (VMT/Day) (VMT/Day) (VMT/Day) (VMT/Day) (VMT/Day)

1 Assume peak Out of County, In County Commercial, and In County Self Haul from peak-trip day mileage from Attachment K

2 Assume peak Out of County, In County Commercial, and In County Self Haul from peak-trip day trips from Attachment K x 2 miles per trip 3 Assume graveled road with no dust palliative and some watering

4 Assume that 75% of trips will go to public drop-off ag gate and not travel on unpaved roads

John Smith Road Landfill Attachment M **DEIR Appendix B** Page 2 of 5 Lawrence & Associates

0.25

ATTACHMENT M

Proposed Project On-Road Trips and Off-Road Operations Criteria Pollutant Emissions Calculations

Table M9 - Fugitive Road Dust - Proposed Project Peak Tonnage Day Off Site Waste Delivery

	1 0	8 1											
							Unpaved Day In				Unpaved Road		
	Paved Day O	ut of Paved Day In County				Unpaved Day Out of	County			Unpaved Road	PM _{2.5}		
	County Haul T	Truck Commercial Vehicle	In County Self Haul	Paved Road Const.	Paved Road PM _{2.5}	County Haul Truck	Commercial	In County Self	Control	PM ₁₀ Emissions	Emissions per	Total Daily	Total Daily
Construction Activity	Distance ¹	Distance ¹	Distance ¹	PM ₁₀ Emissions per Day	Emissions per Day	Distance ²	Vehicle Distance ²	Haul Distance ^{2,4}	Efficiency ³	per day	yr	Emissions PM ₁₀	Emissions PM _{2.5}
	(VMT/Day	(VMT/Day)	(VMT/Day)	Pounds	Pounds	(VMT/Day)	(VMT/Day)	(VMT/Day)	%	Pounds	Pounds	(lb/day)	(lb/day)
Current & Proposed	5,007	481	2,434	44.91	11.02	0.00	0.00	0.00	75%	0.00	0.00	44.91	11.02
Baseline	2,489	465	2,279	25	6	0	0	0	1	0	0	25	6
	Notes:											19.94	4.89

1 Assume peak Out of County, In County Commercial, and In County Self Haul from peak-tonnage day mileage from Attachment K
2 Assume peak Out of County, In County Commercial, and In County Self Haul from peak-tonnage day trips from Attachment K x 2 miles per trip
3 Assume graveled road with no dust palliative and some watering

4 Assume that 75% of trips will go to public drop-off ag gate and not travel on unpaved roads

Public 75% 0.23 Average 0.835 Table M10 - Fugitive Road Dust - Proposed Project Peak Traffic Day On-Site Waste Delivery Only Miles Paved RT 2.65 % of Self Haul That Use Public Tipping Area Miles Unpaved: 0.76

Construction Activity	Paved Day Out of County Haul Truck Distance ¹	Paved Day In County Commercial Vehicle Distance ¹	In County Self Haul Distance ¹	Paved Road Const. PM ₁₀ Emissions per Day	Paved Road PM _{2.5}	Unpaved Day Out of County Haul Truck	Unpaved Day In County Commercial Vehicle Distance ²	In County Self	Control Efficiency ³	Unpaved Road PM ₁₀ Emissions per day		Total Daily	Total Daily Emissions PM _{2.5}
	(VMT/Day)	(VMT/Day)	(VMT/Day)	Pounds	Pounds	(VMT/Day)	(VMT/Day)	(VMT/Day)	%	Pounds	Pounds	(lb/day)	(lb/day)
Current & Proposed	90	29	445	8.16	2.00	25.76	8.33	100.95	90%	5.25	0.57	13.40	2.58
Baseline	12	4	433	6	0	21	7	329	1	35	4	41	4
N	otes:											-27.33	-1.09

In County Self

- Assume peak Out of County, In County Commercial, and In County Self Haul from peak-tonnage day mileage from Attachment K
 Assume peak Out of County, In County Commercial, and In County Self Haul from peak-tonnage day trips from Attachment K x 2 miles per trip

3 Assume graveled road with no dust palliative and some watering

4 Assume that 75% of trips will go to public drop-off ag gate and not travel on unpaved roads

Table M11 - Fugitive Dust - Proposed Project Operations from On Site Operations Equipment (haul trucks, water truck, maint trucks)

Construction Activity	Paved Day Large Haul Truck Distance	Paved Day Support Vehicle Distance ¹	Paved Road Ops. PM ₁₀ Emissions per Day	Paved Road PM _{2.5} Emissions per Day	Unpaved Day Haul Truck Distance ²	Unpaved Day Support Vehicle Distance ³	Control Efficiency ⁵		Unpaved Road PM _{2.5} Emissions per yr ⁴	Total Daily Emissions PM ₁₀	Total Daily Emissions PM _{2.5}
	(VMT/Day)	(VMT/Day)	Pounds	Pounds	(VMT/Day)	(VMT/Day)	%	Pounds	Pounds	(lb/day)	(lb/day)
Current & Proposed	0.00	75.00	2.54	0.62	10.61	75.00	90%	17.37	1.74	18.00	2.36
Baseline	0.00	40.00	2.09	0.51	5.30	40.00	0.75	23.40	9.29	23.91	9.80

- 1 Assume 50% of the mileage is on road
 2 Assume 280 CY/day for 20 cy/ load struck = 7 loads at 4,000 feet round trip
- 3 Assume 50% of the mileage is off road
- 4 Assume graveled road with no dust palliative and some watering 5 Does not apply to tracked equipment that does not drive on roads

Emission factors for Paved Surfaces on Public Roads From CalEEMod 2016-3-2 User's Guide

$$Eext = [k(sL)^{0.91}(W)^{1.02}]x (1 - \frac{P}{4N})$$

- Ep = particulate matter factor (having units matching the units of K)
- k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.1-1 sL = road surface silt loading (g/m2)

Out of County Units

- P = number of wet days with at least 0.01 inch or precipitation during the averaging period
- N = number of averaging days for period Assume (1-P/4N) = 1 for a dry day fo off site

W IICII.	Out of County Units	in County Commercial Onits	iii County Sen
k _{2.5} =	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT
$k_{10} =$	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT
On Site sL =	1.1 g/m2	1.1 g/m2	1.1 g/m2
Sweeping	0.62	0.62	0.62
On Site with Sweeping SL =	0.682	0.682	0.682
Off Site sL =	0.1 g/m2	0.1 g/m2	0.1 g/m2
W =	27.00 tons	20.5 tons	4.4 tons
On Site P =	0 days	0 days	0 days
On Site N =	1 days	1 days	1 days
Off Site P =	0 days	0 days	0 days
Then:			
On Site Ep _{2.5} =	0.011 lb/VMT	0.008 lb/VMT	0.002 lb/VMT
On Site Ep ₁₀ =	0.045 lb/VMT	0.034 lb/VMT	0.007 lb/VMT
Off Site $Ep_{2.5} =$	0.002 lb/VMT	0.001 lb/VMT	0.000 lb/VMT
Off Site $Ep_{10} =$	0.008 lb/VMT	0.006 lb/VMT	0.001 lb/VMT

In County Commercial Units

Use Off Site -High Frequency Roadway to simulate street sweeping

Assume surface is Swept Daily During Construction Low end of Range from 13.2.1.-3

Source AP-42 Table 13.2.1-1 AP-42 Table 13.2.1-1

Table O2 Assume watered Surface Assume Watered Surface

Assume sweeping is 38% effective

Table L9 - Table O2 Peak Traffic Day Vehicle Weight Assumptions (assumes full load in and empty out)

Category	Type	GVW, lb	NVW, lb	Average, lb	Av Tons
Self-Haul Residential	Ford F250 Gross Weight	9,900	7,700	8,800	4.4
In County Commercial	Garbage Truck	51,000	31,000	41,000	20.5
Out of County Commercial	Transfer Truck	75,000	33,000	54,000	27

GVW: Gross vehicle weight including load

NVWL Net vehicle weight or :"curb weight" without load

-7.44

-5.91

AP-42 Table 13.2.1-2 (10/02 version), = 0.1 or high ADT road (>5000 tpd or 3.5 t/min) and 0.4 for low ADT road -

ATTACHMENT M

Proposed Project On-Road Trips and Off-Road Operations Criteria Pollutant Emissions Calculations

Unpaved Public Roads Emission Factor From CalEEMod 2016-3-2 User's Guide

EF Dust = $[((k * (s/12)^a * (S/30)^b) / (M/0.5)^c)$ -C] * (1-P/365) 0.15 0.56793529 0.707106781 1.454061151 0.00036 Equation from CalEEMod Appendix A, page 28

Where:

- Where:

 EF = size-specific emission factor (lb/VMT) for unpaved surface

 k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2
- a = Constant from AP-42 for public or industrial road b = Constant from AP-42 for public or industrial road
- c = Constant from AP-42 for public or industrial road s = surface material silt content (%)
- S = mean vehicle speed (mph)
- M = surface material moisture (%)
 C = emissions factor for 1980's vehicle fleet exhaust brake wear and tire wear (0.00047 for PM10 and 0.00036 for PM2.5)
 P = number of wet days with at least 0.01 inch or precipitation during the averaging period
 Assume (1-P/365) = 1 for a dry day

When:	Out of County Units	In County Commercial Units	In County Self Units	Source
$k_{2.5} =$	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT	Per AP-42 Table 13.2.2-2 for public roads
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT	Per AP-42 Table 13.2.2-2 for public roads
a =	1 Constant for public road			Per AP-42 Table 13.2.2-2 for public roads
b =	0.5 Constant for public road			Per AP-42 Table 13.2.2-2 for public roads
c =	0.2 Constant for public road			Per AP-42 Table 13.2.2-2 for public roads
s =	6.4 %	6.4 %	6.4 %	Per AP-42 Table 13.2.2-1 for landfills, mean of graveled roads
S =	15 mph	15 tons	15.0 tons	Site speed limit
M =	3.25 %	3.25 %	3.25 %	Assuming 25% of 13% maximum moisture content as baseline
$C_{2.5} =$	0.00036 lb/VMT	0.00036 lb/VMT	0.00036 lb/VMT	Per AP-42 Table 13.2.2-4
$C_{10} =$	0.00047 lb/VMT	0.00047 lb/VMT	0.00047 lb/VMT	Per AP-42 Table 13.2.2-4
Then:				
Eup2.5 =	0.043 lb/VMT	0.043 lb/VMT	0.043 lb/VMT	
E 10 -	0.200 IL AZMET	0.200 H. A.A.A.T.	0.200 IL ATMET	

Unpaved Road Emission Factor For Industrial Roads

Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

Eup = size-specific emission factor (lb/VMT) for unpaved surface

- s = surface multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2 s = surface material silt content (%)

- s surface materials in content (*)

 W = mean vehicle weight (tons)

 a = industrial road constant from AP-42, Table 13.2.2-2

 b = industrial road constant from AP-42, Table 13.2.2-2

When:	Haul Units	Support Units	Small Units	Source
$k_{2.5} =$	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
s =	6.4 %	6.4 %	6.4 %	Per AP-42 Table 13.2.2-1 for landfills, mean or graveled roads
W =	48.8 tons	17.7 tons	4.4 tons	Table O2
a =	0.9	0.9	0.9	Per AP-42 Table 13.2.2-2 for industrial roads
b =	0.45	0.45	0.45	Per AP-42 Table 13.2.2-2 for industrial roads
Then:				
Eup2.5 =	0.299 lb/VMT	0.189 lb/VMT	0.101 lb/VMT	
$E_{UP}10 =$	2.988 lb/VMT	1.894 lb/VMT	1.012 lb/VMT	

Table L10 - Operations Average Vehicle Weight Assumptions (assumes full load in and empty out)

Category	Type	Percent	GVW, lb	NVW, lb	Average, lb	Av Tons
		1 er cent				
Small Vehicle	Ford F250 Gross Weight		9,900	7,700	8,800	4.4
Commercial Vehicle						
	Ford Mechanic Truck					
Average of:	(DSL) 2006	13%	14,000	8,600	11,300	5.65
	Fuel Truck (DSL) 2009	7%	63,000	29,500	46,250	23.13
	Roll-Off Truck (DSL) 2000	33%	63,000	29,500	46,250	23.13
	Water Truck DSL 2006	33%	63,000	29,500	46,250	23.13
	Weighted Average:					17.7
Off Road Dump	John Deer 350G		133,379	61,730	97,555	48.8

GVW: Gross vehicle weight including load

NVWL Net vehicle weight or :"curb weight" without load

John Smith Road Landfill Attachment M **DEIR Appendix B** Page 4 of 5 Lawrence & Associates

ATTACHMENT M

Proposed Project On-Road Trips and Off-Road Operations Criteria Pollutant Emissions Calculations

Grading Equipment Passes

0.23 lb/dy

0.03 lb/dy

Assume double for loading and unloading

Assume double for loading and unloading

John Smith Road Landfill **DEIR Appendix B**

Banked density =

Production = Production =

 $\begin{aligned} EF_{PM10} &= \\ EF_{PM2.5} &= \end{aligned}$

1.6875 t/cy 280 cy/day 473 t/day

2.3945E-04 lb/ton x production =

3.6260E-05 lb/ton x production =

Attachment M Page 5 of 5 Lawrence & Associates



Attachment N

Construction Criteria Pollutant Emission Calculations: On-Road and Off- Road Equipment

Table N1 Summary of On-Road and Off Road Construction Equipment Equipment Emissions

Table At Summary of On-Road	NOx Emissions	• •	PM ₁₀ Emissions	PM _{2.5} Emissions	CO Emissions	SOx Emissions
Category	(lbs/day)	ROG Emissions (lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)	(lbs/day)
Off-Road Vehicles Tailpipe	10.24	1.17	0.45	4.66	56.44	0.12
On-Road Vehicles Tailpipe	1.55	0.07	0.03	0.08	0.31	0.01
Fugitive Dust from Travel			32.75	7.86		-
Fugutive Dust from Equipment		-	28.70	10.14		-
TOTAL	11.79	1.23	61.93	22.74	56.75	0.14
MBUAPCD Thresholds	137 lbs/day	137 lbs/day	82 lbs/day	82 lbs/day	82 lbs/day	82 lbs/day

On-Road Emissions - Equation for Table N3

 $Daily \ emissions \ by \ pollutant \ (lb(day) = (emission \ factor \ (grams/miles) + deterioration \ product \ (grams/mi) \ (not \ applicable)) \times daily \ activity \ (miles/day) \times percentage \ operation \ in \ California \ (100%) + 453.59 \ (grams/lb)$

Modified Off-Road Emissions Equation for Table N2

Daily emissions by pollutant ($lb(day) = (emission factor (grams-brake hp-hour) + deterioration product (grams-brake hp-hour) (not applicable)) <math>\times$ horsepower (hp) \times load factor \times daily activity (hours/day) \times percentage operation in California (100%) \times 453.59 grams/lb

Assumes: Peak Day will be During Bulk Excavation Phase

Assumes two dozers, full time
Assumes two excavators full time one for loading, the other for rock breaking

Assumes two excavators full time one for load Assumes three 30 CY off-road sump trucks Assumes 1 screening plant Assumes one loader for screening plant Assumes one compactor fo engineered fill Assumes 1 water truck

		V-1-1-1-1	Properties										M. O. Her F.	sion Factors and Calc					
	_	venicie i	roperties			_							Air Quanty Emis	sion ractors and Caic	uiations				
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/ Model/ Fuel ²	Road Miles/Day	HP ³	Tier ⁴	Load Factor ⁵	Peak Operating Hours per Day ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp-hr) ⁷	Emissions ROG (lbs/day) ⁹	Exhaust Emissions Factor PM10 (g/bhp-hr) ⁷	Exhaust Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ⁷	Emissions CO (lbs/day) ⁹	Emissions Factor SO ₂ (g/bhp-hr) ⁷	Emissions SO (lbs/day) ⁹
Dozer (not used for bulk exc.)	Crawler Tractors	Caterpillar D6T LGP	0	165	3	0.43	0	2.32	0.00	0.09	0.00	0.112	0.00	0.348	0.00	3.408	0.00	0.005	0.00
Dozer	Crawler Tractors	Caterpillar D8T Diesel	0	310	4 (Final)	0.43	9	0.26	0.69	0.05	0.13	0.009	0.02	0.209	0.55	3.067	8.11	0.005	0.01
Dozer	Crawler Tractors	Caterpillr D6R Diesel	0	140	3	0.43	9	2.32	2.77	0.09	0.11	0.112	0.13	0.348	0.42	3.408	4.07	0.005	0.01
Grader (not used for bulk excav.)	Graders	Caterpillar 140G Diesel	0	150	3	0.41	0	2.32	0.00	0.09	0.00	0.112	0.00	0.456	0.00	3.904	0.00	0.005	0.00
Loader (used infrequently)	Rubber Tired Loaders	Caterpillar 938M Diesel	0	190	3	0.36	2	2.32	0.70	0.09	0.03	0.088	0.03	0.310	0.09	2.143	0.65	0.057	0.02
Pad-Foot Compactor	Rollers	Caterpillar 826C Diesel	0	341	4 (Final)	0.38	9	0.26	0.67	0.05	0.13	0.009	0.02	0.288	0.74	4.469	11.49	0.005	0.01
Smooth Drum Roller (NA)	Rollers	Caterpillar CS34 Diesel	0	74	3	0.38	0	2.74	0.00	0.09	0.00	0.192	0.00	0.516	0.00	4.922	0.00	0.005	0.00
Backhoe (NA)	Tractors/Loaders/ Backhoes	Caterpillar 426C Diesel	0	88	3	0.37	0	2.74	0.00	0.09	0.00	0.112	0.00	0.464	0.00	3.832	0.00	0.005	0.00
Excavator (2)	Excavators	John Deere 350 Diesel	0	271	4 (Final)	0.38	18	0.26	1.06	0.05	0.20	0.009	0.04	0.132	0.54	1.448	5.92	0.005	0.02
Screening Plant	Other Construction Equipment	Spyder 514TS Diesel	0	74	3	0.42	9	2.74	1.69	0.09	0.06	0.192	0.12	0.505	0.31	3.899	2.40	0.005	0.00
Extended Loader (for liner)	Tractors/Loaders/ Backhoes	JCB 20TC	0	74	3	0.37	0	2.74	0.00	0.09	0.00	0.192	0.00	0.464	0.00	3.832	0.00	0.005	0.00
Off-Road Dump/haul truck (3)	Off-Highway Trucks	Caterpillar 740 diesel	100	453	4 (Final)	0.38	27	0.26	2.66	0.05	0.51	0.009	0.09	0.196	2.01	2.322	23.79	0.005	0.05
Totals									10.24		1.17	-	0.45		4,66		56,44		0.12

For a typical construction project, it is assumed that highest emissions takes place during the bulk excavation phase - assuming site-specific excavation equipment consisting primarily of two scrapers and a dozer as listed above as Tier 4. Additional equipment listed is support equipment and shall be Tier 3 or higher.

Table N3 On-Road Vehicles for	Construction Peak Da	y			2023 Calendar Year	r with Aggregate	Model Years																				
		Vehicle l	Properties														Emission I	Factors and Calculation	ıs								
On-Road Vehicles	Vehicle Category	Trips/Day	Trip Dist	Miles / Day	Paved Miles / Day	Unpaved Miles/Day	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx (lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG (lbs/day) ⁸	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions PM10 (lbs/day) ⁸	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions PM10 (lbs/day) ⁸	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰	Brake Wear Emissions PM10 (lbs/day) ⁸	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰		Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰		Brake Wear Emission Factor PM2.5 (g/mile) ¹⁰		Emissions Factor CO (g/mile) ¹⁰	Emissions CO (lbs/day) ⁸	Emissions Factor SOx (g/mile) ¹⁰	Emissions SOx (lbs/day) ⁸
Ford Mechanic Truck (DSL)	LHD1	1	20	20	8	12	1	3.12	0.1	2.29E-01	0.010	3.61E-02	0.002	1.20E-02	0.001	7.64E-02	0.003	3.45E-02	0.002	0.003	0.000	0.033	0.001	9.67E-01	0.043	5.66E-03	5E-03
Ford F450 Flat Bed (DSL)	LHD2	1	20	20	8	12	1	2.17	0.1	1.99E-01	0.009	3.08E-02	0.001	1.20E-02	0.001	8.92E-02	0.004	2.94E-02	0.001	0.003	0.038	0.031	0.001	8.43E-01	0.037	6.04E-03	3E-04
Water Truck (DSL)	T6 CAIRP heavy	32	8	256	128	64	1	1.27	0.7	2.11E-02	0.012	3.13E-02	0.018	1.20E-02	0.007	1.30E-01	0.074	1.29E-02	0.007	0.003	0.002	0.013	0.008	7.34E-02	0.041	9.00E-03	5E-03
Support Ligh Heavy Duty Trucks (2, DSL)	LHDI	4	18	72	64	8	1	3.12	0.5	2.29E-01	0.010	3.61E-02	0.006	1.20E-02	0.002	7.64E-02	0.012	3.45E-02	0.005	3.00E-03	0.000	3.28E-02	0.005	9.67E-01	0.153	1.24E-02	2E-03
Tractor Trailer Delivery (DSL)	T7 CAIRP	1	20	20	18	2	1	2.35	0.1	2.11E-02	0.001	3.13E-02	0.001	3.60E-02	0.002	6.17E-02	0.003	2.99E-02	0.001	0.009	0.000	0.031	0.001	1.96E-01	0.009	9.00E-03	4E-04
Carpool Vehicles (2, Gas)	LDT1	2	8	16	12	4	1	0.07	0.0	7.13E-01	0.025	1.67E-03	0.000	8.00E-03	0.000	3.68E-02	0.001	1.53E-03	0.000	0.002	0.000	0.016	0.001	8.61E-01	0.030	2.97E-03	1E-04
Totals	•			404	238	102			1.55		0.07		0.03		0.01		0.10		0.02		0.04		0.02		0.31		1E-02

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Sources: CARB, 2017. California Air Resources Board, The Carl Moyer Porgram Guidelines, 2017 Revisions, Appendix D - Tables for Emissions Reduction and Cost Effectiveness Calculations, Tables D-7 to D-9 for Off-Road Diesel and Non-Mobile Agricultural (Ag) Projects L&A, 2021. Lawrence & Associates, July 2021, Design Basis Report, John Smith Road Landfill Expansion.

CAPCOA, 2017. California Air Pollution Control Officers Association (CAPCOA), version 2017, California Emissions Esimator Model (CalEE MOD), Appendix D, Default Data Tables

ions:

1 Vehicles that best represent items listed in Table D-7 of CARB, 2017.

2 Vehicles and equipment as listed in Table 26 of L&A, 2021.

3 Vehicles horsepower as listed in Table 26 of L&A, 2021.

4 Vehicle ter as listed in Table 26 of L&A, 2021.

5 Load Factor as listed in Table 26 of L&A, 2021.

5 Load Factor as listed in Table D-7 of CARB, 2017.

6 The average working hours. Multiplied by the equipment quantity where more than one piece of equipment is included.

7 Emission factors obtained from Table D-8 of CARB, 2017.

Referenced equation above was used to calculate emissions as listed in CARB, 2017, Appendix C (Cost-Effectiveness Calculation Methodology).

9. Referenced equation above was used to calculate emissions as listed in CARB, 2017, Appendix C (Cost-Effectiveness Calculation Methodology).

10. Values obtained form EMFAC2017 (vl.0.2) Emission Rates for San Benito County.

11. CAPCOA, 2020 Table 3.4 based on Model year rounded to the nearest 5-year increment. Note that Table 3.4 provides emission factors based on a mixture of emissions for PM2.5, CO, and SO2, and is not as precise as the Carl Moyer values for NOx, ROG, PM10.

Table N-3 Fugitive Dust

Construction Activity	Paved Day Large Haul Truck Distance	Paved Day Support Vehicle Distance ⁶	Paved Road Const. PM ₁₀ Emissions per Day ³	Paved Road PM _{2.5} Emissions per Day ³	Unpaved Day Haul Truck Distance ⁷	Unpaved Day Supprt Vehicle Distance		Unpaved Road PM ₁₀ Emissions per day ⁴	Unpaved Road PM _{2.5} Emissions per yr ⁴	Total Daily Emissions PM ₁₀	Total Daily Emissions PM _{2.5}
	(VMT/Day)	(VMT/Day)	Pounds	Pounds	(VMT/Day)	(VMT/Day)	%	Pounds	Pounds	(lb/day)	(lb/day)
Current & Proposed	0.00	238.00	8.21	5.09	100.00	102.00	95	27.66	2.77	32.75	7.86

Notes

1: Average trips from Table K1 x miles on paved or unpaved road

2: Average trips from Table K2 x miles on paved or unpaved road

3: Assuming (Ept truck x VMT truck) + (Ep car x VMT car)

4: Assuming (Eup truck x VMT truck) - (Eup car x VMT car)

5: Assumers regular watering during and/or dust suppressants during dry periods per AP-42 Section 13, Figure 13.2.2-2 Moisture Ratio of 4.25

6: Assumes 10 delivery and employee trips per projecty at Proposed Project mileage

7: Assumes 4.000 cyt/dw (2) cyt/rip = 160 trips and one mile round trip to stockpile

8: Assuming (Eup Off-Road Dump x VMT truck) + (Eup Off-Road Car x VMT car)

John Smith Road Landfill **DEIR Appendix B**

Attachment N Lawrence & Associates

Attachment N

Construction Criteria Pollutant Emission Calculations: On-Road and Off- Road Equipment

Paved Road Emission Factor Equation

```
Ep = [k(sL)^0.91 (W)^1.02 ]x (1-P/4N)
Equation (1) from USEPA, AP-42 Fifth Edition, 2011, Section 13.2.1
```

Where:

Ep = particulate matter factor (having units matching the units of K)

k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.1-1

sL = road surface silt loading (g/m2)

W = average weight (tons) of the vehicles travelling the road

P = number of wet days with at least 0.01 inch or precipitation during the averaging period

N = number of averaging days for period

Haul Truck Units	Support Units		Source	
0.004 lb/VMT	0.004 lb/VMT	NA	AP-42 Tab	ble 13.2.1-1
0.016 lb/VMT	0.016 lb/VMT	NA	AP-42 Tab	ble 13.2.1-1
0.3 g/m2	0.3 g/m2		AP-42 Tab	ole 13.2.1-5 High ADT Road, Summer
60.26 tons	24.7 tons	NA	Table O2	
1 days	1 days		1 days	Assume watered surface
1 days	1 days		l days	Assume watered surface
0.021 lb/VMT	0.009 lb/VMT			
0.086 lb/VMT	0.034 lb/VMT			
	0.016 lb/VMT 0.3 g/m2 60.26 tons 1 days 1 days 0.021 lb/VMT	0.004 lb/VMT	0.004 lb/VMT	0.004 lb/VMT

Unpaved Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

Where:

Eup = size-specific emission factor (lb/VMT) for unpaved surface

k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2

s = surface material silt content (%)

W = mean vehicle weight (tons)

a = industrial road constant from AP-42, Table 13.2.2-2

b = industrial road constant from AP-42, Table 13.2.2-2

When:	Haul Units	Support Units	Small Units	Source
$k_{2.5} =$	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
k ₁₀ =	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
s =	6.4 %	6.4 %	6.4 %	Per AP-42 Table 13.2.2-1 for landfills, mean or graveled road
W =	60.3 tons	24.7 tons	4.4 tons	Table O2
a =	0.9	0.9	0.9	Per AP-42 Table 13.2.2-2 for industrial roads
b =	0.45	0.45	0.45	Per AP-42 Table 13.2.2-2 for industrial roads
Then:				
Eup2.5 =	0.329 lb/VMT	0.220 lb/VMT	0.101 lb/VMT	
E _{UP} 10 =	3.286 lb/VMT	2.201 lb/VMT	1.012 lb/VMT	

Table N4 Vehicle Weight Assumptions (assumes full load in and empty out)

Category	Type	Percent	GVW, lb	NVW, lb	Average, lb	Av Tons
Small Vehicle	Ford F250 Gross Weig	ht	9,900	7,700	8,800	4.4
Commercial Vehicle						
Average of:	Miles					
Ford Mechanic Truck (DSL)	20	5%	14,000	8,600	11,300	5.65
Ford F450 Flat Bed (DSL)	20	5%	14,000	8,600	11,300	5.65
Water Truck (DSL), 4,000 gal	256	63%	63,000	29500	46,250	23.125
Support Ligh Heavy Duty Trucks (2,						
DSL)	72	18%	14,000	8,600	11,300	5.65
Tractor Trailer Delivery (DSL)	20	5%	75,000	33,000	54,000	37.5
Carpool Vehicles (2, Gas)	16	4%	51,000	31,000	41,000	25.5
Total	404					
	Weighted Average:					24.7
Off Road Dump	CAT 740		162,399	78,632	120,516	60

GVW: Gross vehicle weight including load NVWL Net vehicle weight or :"curb weight" without load

US. EPA, Fifth Edition AP-42, Section 13.2.

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 $EF_{PM15}=0.051~x~(S)^{2.0},$ and $EF_{PM10}=EF_{PM15}~x~F_{PM10}$ EF_{TSP} - 0.4 x (S)^{2.5}, and $EF_{PM2.5}$ = EF_{TSP} x $F_{PM2.5}$

 $\begin{aligned} & \text{Where:} \\ & EF = \text{ emissions factor (lb/VMT)} \\ & S = \text{ mean vehicle speed (mph)} \\ & F_{PM2.5} = PM_{2.5} \text{ scaling factor.} \\ & F_{PM10} = PM_{10} \text{ scaling factor.} \end{aligned}$

AP-42 Default = AP-42 Default = Rubber -Tired Dozers AP-42 Default =

1.543 lb/VMT 0.227 lb/vmt 12.34 Loader 8 hr/day for screening 2.27 Loader 8 hr/day for screening EFPM10 = EFPM2.5 =

Buldozers CalEEMOD CalEEMOD 2020.4.0, Appendix A Page 8

$$EF_{PM15} = (C_{PM15}\,x\,s^{1.5})\,/\,M^{1.4}\,$$
 , and $EF_{PM10} = EF_{PM15}\,x\,$ F_{PM10}

 $\mathrm{EF_{TSP}}$ - (C $_{TSP}$ x s $^{1.2}$)/ $\mathrm{M}^{1.3}$, and EF $_{PM2.5}$ = EF_{TSP} x $\mathrm{F}_{PM2.5}$

 $\label{eq:where-constraints} Where: $$ FF = cmissions factor (lb/hr)$$ $C = Coefficcient used by AP-42$$ s = Material silt content (%)$$ $M = Matrial moisturie content (%)$$ $F_{PM2.5} = PM_{3c}$, scaling factor. \$AP-42 default is 0.031\$\$ \$F_{PM10} = PM_{10} scaling factor. \$AP-42 default is 0.6 $\begin{aligned} \text{Per AP-42 defaults for Overburden} \\ \text{C_{TSP}= 5.7} \\ \text{$s=6.90} \qquad \text{AP} \\ \text{$M=7.90} \qquad \text{AP} \end{aligned}$ AP-42 Baseline AP-42 Baseline $F_{PM2.5} = 0.105$ $F_{PM10} = 0.75$

18 13.55 2 dozers from above 18 7.45 2 dozers from abive 0.753 lb/hr x hr/day 0.414 lb/hr x hr/day

John Smith Road Landfill **DEIR Appendix B**

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Attachment N

Construction Criteria Pollutant Emission Calculations: On-Road and Off- Road Equipment

Truck Loading
From CalEEMod Appendix A and AP-42 Section 13.2.4

 $EF_D = k \times (0.0032) \times ((U/5)^{1.3} / (M/2)^{1.4})$

Per AP-42 defaults for Overburden

Where:

EF = emissionbs factor (lb/ton)

k = Particle size multiplier

U = mean wind speed (mph)

M = Material nmoisture content $PM_{10} = 0.35$ $PM_{2.5} = 0.053$ M = 12.00 AP42 Table 13.2.4-1 clay/dirt mix

Assume:

U =

Load size =

Fluff factor =

Banked density =

Production =

Production =

Screening Production =

Screening Production = 6.7 mph based on site sprecifc wind data; Mode 30 CY loose, 1.3 CY loose (Y banked 1.6875 6½, in place 6,000 cy/day 10,125 t/day 500 cy/day 843.75 t/day

 $\begin{array}{l} EF_{PM10} = \\ EF_{PM2.5} = \end{array}$ 0.0001 lb/ton x production = 2.81 lb/dy 0.0000 lb/ton x production = 0.43 lb/dy Assuming 2 x for loading and unloading + Screening

While there is no specific screen associated with asphalt paving emissions, CalEEMod estimates VOC off-gassing emissions associated with asphalt paving of parking lots using the following equation: Source CalEEMod Users Manual, 2020, Page 18

 $E_{AP} = EF_{AP} \times A_{Parking}$

Where: E = emissions (lb) EF = emission factor (lb/acre). The SMAQMD default emission factor is 2.62 lb/acre.16 A = area of the parking lot (acre)

$$\begin{split} E_{AP} = \\ Acres of New Pavement \\ Das of Construction = \\ E_{AP}d = \end{split}$$
9.17 lb. VOC /acre 3.5 Acres 2 4.585 lb. VOC /day

John Smith Road Landfill **DEIR Appendix B**

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ATTACHMENT 01

Emissions Calculations for Entrance Queue Idling and Along John Smith Road

Table O1 1 On-Road Vehicles Idling Emissions Summary

Emissions Source	Daily Total NOx Emissions (lbs/day)	Daily Total ROG Emissions (lbs/day)	Daily Total PM ₁₀ Emissions (lbs/day)	Daily Total PM _{2.5} Emissions (lbs/day)	Daily Total DPM Emissions (lbs/day)	Daily Total CO Emissions (lbs/day)	Daily Total SO ₂ Emissions (lbs/day)
Idling Unadjusted	1.05	0.104	0.002	0.001	1.123E-04	1.446	0.001

Note 1: Assumes 100% of NOx is N₂O 2: Assumes 8% of PM_{2.5} from diesels is DPM 3: Happens once per year

Table O1.2A On-Road Vehicles Time in Road Section (Peak) Summary

Emissions Source	Daily Total NOx Emissions (lbs/day)	Daily Total ROG Emissions (lbs/day)	Daily Total PM ₁₀ Emissions (lbs/day)	Daily Total PM _{2.5} Emissions (lbs/day)	Daily Total DPM Emissions (lbs/day)	Daily Total CO Emissions (lbs/day)	Daily Total SO ₂ Emissions (lbs/day)
Peak Traffic Day Baseline	2.46	0.21	25.90	6.43	0.0009	5.75	0.05
Peak Tonnage Day Baseline	3.46	0.15	30.50	7.54	0.0026	2.88	0.03
Average Day - Baseline	2.89	0.15	23.64	5.85	0.0015	3.20	0.01
Peak Traffic Day - Project	2.30	0.30	31.99	7.93	0.0007	5.58	0.01
Peak Tonnage Day - Project	4.26	0.13	51.72	12.76	0.0032	2.81	0.02
Average Day - Project	1.72	0.03	34.82	8.59	0.0019	3.75	0.02

Note 1: Assumes 100% of NOx is N₂O 2: Assumes 8% of PM₂₅ from diesels is DPM 3. Assumes 1.81 miles each way.

| Table 01.2B Long-Term DPM | Average | Long
IDLING EMISSIONS

Idling Area Length	865.00	ft B	ehind Gate	
Vehicle Type	Percent	Quan	Length (ft)	Length per Type (ft)
Out of County Commercial	4.88%	1.00	85.00	85.00
In County Commercial Dsl	1.41%	0.00	30.00	0.00
In County Commercial CNG	0.49%	0.00	30.00	0.00
In-County Residential	93.21%	25.00	30.00	750.00
		Waishtad Averson	22.7	835.0

Table O1.3 On-Road Vehicles Idling Time
Site Propertie Emissions PM2.5 (lbs/day)⁷ LHD1 8.0 0.449 0.655 0.000 0.000 3.742 0.001 2.391 0.125

EMISSIONS ALONG JOHN SMITH ROAD

	Site Properties			_									_		Emiss	ion Factors and	Calculations (RI	JNEX)										_		
On-Road Vehicles	Category	Waste Origin	Miles on John Smith Road (Both Ways)	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx(lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG(lbs/day) ⁸	Exhaust Emissions Factor TOG (g/mile) ¹⁰	Exhaust Emissions TOG (lbs/day) ⁸	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions PM10 (lbs/day) ⁸	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions	Fugitive Dust PM10 Emissions Factor (lb/mile)	PM10 Emissions	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5 (lbs/day) ⁸	Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Fugitive Dust PM2.5 Emissions Factor (lb/mile)	Emissions	Emissions Factor CO Em			
Out of County Commercial Vehicles	T7 CAIRP	Out of County	98	1	3.23	0.697	0.072	1.55E-02	0.082	2E-02	0.050	1E-02	0.036	8E-03	0.062	1E-02	0.069	7E+00	0.048	1E-02	0.009	2E-03	0.026	6E-03	0.017	2E+00	0.331	7E-02	0.013	3E-
n-County Commercial Dsl	T7 SWCV	In County	24	1	5.67	0.301	0.019	1.02E-03	0.022	1E-03	0.050	3E-03	0.062	3E-03	0.062	3E-03	0.052	1E+00	0.021	1E-03	0.009	5E-04	0.026	1E-03	0.013	3E-01	0.058	3E-03	0.035	2E-
n-County Commercial CNG	T7 SWCV	In County	8	1	0.31	0.006	0.043	8.11E-04	3.103	6E-02	0.003	5E-05	0.036	7E-04	0.062	1E-03	0.052	4E-01	0.003	5E-05	0.009	2E-04	0.026	5E-04	0.013	1E-01	11.219	2E-01	0.000	0E+
n County Residential / Self Haul	LHD1	In County	1567	1	0.42	1.460	0.084	2.90E-01	0.122	4E-01	0.003	1E-02	0.008	3E-02	0.089	3E-01	0.011	1.70E+01	0.003	9E-03	0.002	7E-03	0.038	1E-01	0.003	4E+00	1.582	5E+00	0.012	4E-
Totals			1698			2 464		0.3074		0.5000		0.0236		0.0394		0.3259		25.51		0.0207		0.0095		0.1397		6.26		5.7493		0.04

Table O1.5 On-Road Vehicle	s Time in Road	Section (Basel	ine Peak Tonnag	ge)	Length of Road An	alyzed:	3.62	miles	Based on 2020 Ca	lendar Year, Aggregi	ate Model Year, An	nual, Aggregate	Speed																	
	Site Properties														Emiss	ion Factors and	d Calculations (RU	UNEX)												
On-Road Vehicles	Category	Waste Origin	Miles on John Smith Road (Both Ways)	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx(lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG(lbs/day) ⁸	Exhaust Emissions Factor TOG (g/mile) ¹⁰		Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions PM10 (lbs/day) ⁸	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions		Emissions PM10	Fugitive Dust PM10 Emissions Factor (lb/mile)	PM10 Emissions	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰		Fugitive Dust PM2.5 Emissions Factor (lb/mile)	Emissions Factor	Emissions	Emissions CO		
Out of County Commercial Vehicles	T7 CAIRP	Out of County	264	1	3.23	1 884	0.07	4.19E-02	0.082	5F-02	0.050	3F_02	0.036	2F_02	0.062	4F.02	0.069	2E+01	0.048	3E-02	0.009	5E-03	0.026	2F_02	0.017	4F+00	0.331	2F-01	0.013	8F-03
In-County Commercial Dsl	T7 SWCV	In County	83	1	5.67	1.038	0.02	3.51E-03	0.022	4E-03	0.050	9E-03	0.062	1E-02	0.062	1E-02	0.052	4E+00	0.021	4E-03	0.009	2E-03	0.026	5E-03	0.013	1E+00	0.058	1E-02	0.035	6E-03
In-County Commercial CNG	T7 SWCV	In County	29	1	0.31	0.020	0.04	2.79E-03	3.103	2E-01	0.003	2E-04	0.036	2E-03	0.062	4E-03	0.052	2E+00	0.003	2E-04	0.009	6E-04	0.026	2E-03	0.013	4E-01	11.219	7E-01	0.000	0E+00
In County Residential / Self Haul	LHD1	In County	561	1	0.42	0.523	0.08	1.04E-01	0.122	2E-01	0.003	4E-03	0.008	1E-02	0.089	1E-01	0.011	6.10E+00	0.003	3E-03	0.002	2E-03	0.038	5E-02	0.003	1E+00	1.582	2E+00	0.012	1E-02
Totals			938			3.465		0.1521		0.4028		0.0424		0.0445		0.1616		30.25		0.0354		0.0099		0.0692		7.43		2.8816		0.0286
											Sum of PM ₁₀	30.49	9						DPM	0.0026	Sum of PM2.5	7.540								

Attachment O1

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Table O1.6 On-Road Vehicle	s Time in Road	Section (Baseli	ne Average)		Length of Road Ana	ilyzed:	3.62	miles	Based on 2020 Ca	lendar Year, Aggreg	ate Model Year, An	nual, Aggregate S	peed																	
	Site Properties														Emissi	on Factors and	Calculations (RU	UNEX)												
			Mile on John						Exhaust Emissions	Exhaust	Exhaust	Exhaust Emissions	Tire Wear Emissions	Emissions	Emissions	Emissions	Fugitive Dust PM10	PM10	Factor	Exhaust Emissions	Emissions	Emissions	Brake Wear Emissions	Emissions	Dust PM2.5 Emissions	Emissions	Emissions		Emissions	
			Smith Road (Both		Emissions Factor	Emissions	Emissions Factor	Emissions		Emissions TOG			Factor PM10		Factor PM10	PM10	Emissions	Emissions	PM2.5	PM2.5	Factor PM2.5	PM2.5	Factor PM2.5		Factor	Factor	Factor CO	Emissions CO		
On-Road Vehicles	Category	Waste Origin	Ways)	Load Factor	NOx (g/mile) ¹⁰	NOx(lbs/day) ^a	ROG (g/mile) ¹⁰	ROG(lbs/day) ⁸	(g/mile)10	(lbs/day) ⁸	PM10 (g/mile) ¹⁰	(lbs/day) ⁸	(g/mile) ¹⁰	(lbs/day) ⁸	(g/mile)10	(lbs/day) ⁸	Factor (lb/mile)	(lb/day)	(g/mile) ¹⁰	(lbs/day) ^a	(g/mile) ¹⁰	(lbs/day) ⁸	(g/mile) ¹⁰	(lbs/day) ⁸	(lb/mile)	(lb/day)	(g/mile) ¹⁰	(lbs/day) ⁸	(g/mile)10	(lbs/day) ^a
Out of County Commercial																														1
Vehicles		Out of County		1	3.23	0.929	0.07	2.07E-02	0.082	2E-02	0.050	1E-02	0.036	1E-02	0.062	2E-02	0.069	9E+00	0.048	1E-02	0.009	3E-03	0.026	8E-03	0.017	2E+00	0.331	1E-01	0.013	4E-03
In-County Commercial Dsl	T7 SWCV	In County	104	1	5.67	1.305	0.02	4.41E-03	0.022	5E-03	0.050	1E-02	0.062	1E-02	0.062	1E-02	0.052	5E+00	0.021	5E-03	0.009	2E-03	0.026	6E-03	0.013	1E+00	0.058	1E-02	0.035	3E-03
In-County Commercial CNG	T7 SWCV	In County	29	1	0.31	0.020	0.04	2.79E-03	3.103	2E-01	0.003	2E-04	0.036	2E-03	0.062	4E-03	0.052	2E+00	0.003	2E-04	0.009	6E-04	0.026	2E-03	0.013	4E-01	11.219	7E-01	0.000	2E-03
In County Residential / Self Haul	LHD1	In County	681	1	0.42	0.634	0.08	1.26E-01	0.122	2E-01	0.003	4E-03	0.008	1E-02	0.089	1E-01	0.011	7.40E+00	0.003	4E-03	0.002	3E-03	0.038	6E-02	0.003	2E+00	1.582	2E+00	0.012	0E+00
Totals			945			2.889		0.1538		0.4119		0.0306		0.0389		0.1697		23.40		0.0228		0.0082		0.0727		5.74		3.2031	4	0.0091
											Sum of PM ₁₀	23.641							DPM	0.0015	Sum of PM2.5	5.848								

											Sum of PM ₁₀	23.64	l						DPM	0.0015	Sum of PM2.5	5.84								
Table O1.7 On-Road Vehicle	es Time in Road	Section (Proje	ect Peak Trips)		Length of Road Ana	alyzed:	3.62	miles	Based on 2023 Co	alendar Year, Aggreg	ate Model Year, Ann	nual, Aggregate S	peed																	
	Site Properties														Emiss	ion Factors an	d Calculations (R	UNEX)												
On-Road Vehicles	Category	Waste Origin	Mile on John Smith Road (Both Ways)	i Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰		Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG(lbs/day) ⁸	Exhaust Emissions Factor TOG (g/mile) ¹⁰	Exhaust Emissions TOG (lbs/day) ⁸	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Emissions	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions		Emissions PM10	Fugitive Dust PM10 Emissions Factor (lb/mile)	PM10 Emissions	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5 (lbs/day) ⁸	Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Fugitive Dust PM2.5 Emissions Factor (lb/mile)	Emissions Factor	Emissions Factor CO	Emissions CO	Emissions Factor SOx (g/mile) ¹⁰	SOx
Out of County Commercial Vehicles	T7 CAIRP	Out of County	123	1	2.67	0.726	0.024	6.53E-03	0.024	7E-03	0.031	8E-03	0.036	1E-02	0.062	2E-02	0.069	9E+00	0.030	8E-03	0.009	2E-03	0.026	7E-03	0.017	2E+00	0.196	5E-02	0.012	3E-03
In-County Commercial Dsl	T7 SWCV	In County	29	1	2.67	0.174	0.022	1.44E-03	0.025	2E-03	0.019	1E-03	0.036	2E-03	0.062	4E-03	0.052	2E+00	0.018	1E-03	0.009	6E-04	0.026	2E-03	0.013	4E-01	0.063	4E-03	0.032	2E-03
In-County Commercial CNG	T7 SWCV	In County	10	1	0.31	0.007	0.043	9.92E-04	3.103	7E-02	0.003	6E-05	0.036	8E-04	0.062	1E-03	0.052	5E-01	0.003	6E-05	0.009	2E-04	0.026	6E-04	0.013	1E-01	11.219	3E-01	0.000	0E+00
In County Residential / Self Haul	LHD1	In County	1929	1	0.33	1.397	0.067	2.86E-01	0.098	4E-01	0.003	1E-02	0.008	3E-02	0.076	3E-01	0.011	2.10E+01	0.002	1E-02	0.002	9E-03	0.033	1E-01	0.003	5E+00	1.238	5E+00	0.001	5E-03
Totals			2092			2.303		0.2953		0.4969		0.0207		0.0470		0.3473		31.58		0.0194		0.0117		0.1489		7.75		5.5811		0.0106
											Sum of PM10	31.99							DPM	0.0007	Sum of PM2.5	7.93	1							

Table O1.8 On-Road Vehicle	s Time in Road	Section (Proje	ct Peak Tonnage)	Length of Road Ana	dyzed:	3.62	miles	Based on 2023 Ca	lendar Year, Aggreg	ate Model Year, Ann	ual, Aggregate S	peed																	
	Site Properties														Emiss	ion Factors an	d Calculations (R)	UNEX)												
On-Road Vehicles	Category	Waste Origin	Mile on John Smith Road (Both Ways)	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰	Emissions NOx(lbs/day) ⁸	Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG(lbs/day) ⁵	Exhaust Emissions Factor TOG (g/mile) ¹⁰	Exhaust Emissions TOG (lbs/day) ⁸	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions PM10 (lbs/day) ⁸	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions	Fugitive Dust PM10 Emissions Factor (lb/mile)	Fugitive Dust PM10 Emissions (lb/day)	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5 (lbs/day) ⁸	Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Brake Emissions PM2.5 (lbs/day) ⁸	Fugitive Dust PM2.5 Emissions Factor (lb/mile)	Emissions	Emissions Factor CO (g/mile) ¹⁰	Emissions CO (lbs/day) ⁸		Emissions s SOx (lbs/day) ⁸
Out of County Commercial																														
Vehicles	T7 CAIRP	Out of County	547	1	2.67	3.222	0.024	2.90E-02	0.024	3E-02	0.031	4E-02	0.036	4E-02	0.062	7E-02	0.069	4E+01	0.030	4E-02	0.009	1E-02	0.026	3E-02	2E-02	9E+00	0.196	2E-01	0.012	1E-02
In-County Commercial Dsl	T7 SWCV	In County	94	1	2.67	0.553	0.022	4.58E-03	0.025	5E-03	0.019	4E-03	0.036	7E-03	0.062	1E-02	0.052	5E+00	0.018	4E-03	0.009	2E-03	0.026	5E-03	1E-02	1E+00	0.063	1E-02	0.032	7E-03
In-County Commercial CNG	T7 SWCV	In County	33	1	0.31	0.023	0.043	3.15E-03	3.103	2E-01	0.003	2E-04	0.036	3E-03	0.062	4E-03	0.052	2E+00	0.003	2E-04	0.009	7E-04	0.026	2E-03	1E-02	4E-01	11.219	8E-01	0.000	0E+00
In County Residential / Self Haul	LHD1	In County	641	1	0.33	0.464	0.067	9.51E-02	0.098	1E-01	0.003	4E-03	0.008	1E-02	0.076	1E-01	0.011	6.97E+00	0.002	3E-03	0.002	3E-03	0.033	5E-02	2.67E-03	2E+00	1.238	2E+00	0.001	2E-03
Totals			1314			4.261		0.1318		0.3983		0.0455		0.0647		0.1996		51.41		0.0434		0.0162		0.0856		12.62		2.8138		0.0233
											Sum of PM10	51.721							DPM	0.003	Sum of PM2.5	12.764								

	Site Properties														Emis	ion Factors an	d Calculations (R	UNEX)			_		_							
On-Road Vehicles	Category	Waste Origin	Mile on John Smith Road (Both Ways)	Load Factor ⁵	Emissions Factor NOx (g/mile) ¹⁰		Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG(lbs/day) ⁸	Exhaust Emissions Factor TOG (g/mile) ¹⁰	Exhaust Emissions TOG (lbs/day) ⁸	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions PM10 (lbs/day) ⁸	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions PM10	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions PM10	Fugitive Dust PM10 Emissions Factor (lb/mile)	PM10 Emissions	Factor PM2.5	Exhaust Emissions PM2.5 (lbs/day) ⁸	Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Fugitive Dust PM2.5 Emissions Factor (lb/mile)	Emissions Factor	Emissions Factor CO (g/mile) ¹⁰	Emissions CO (lbs/day) ⁸	Factor SO	
Out of County Commercial Vehicles	T7 CAIRP	Out of County	340	1	2.06	1.543	0.020	1.50E-02	0.028	2E-02	0.028	2E-02	0.036	3E-02	0.062	5E-02	0.069	2E+01	0.027	2E-02	0.009	7E-03	0.026	2E-02	2E-02	6E+00	0.185	1E-01	0.009	7E-03
In-County Commercial Dsl	T7 SWCV	In County	104	1	0.46	0.107	0.024	5.61E-03	0.025	6E-03	0.018	4E-03	0.036	8E-03	0.062	1E-02	0.052	5E+00	0.017	4E-03	0.009	2E-03	0.026	6E-03	1E-02	1E+00	11.219	3E+00	0.025	6E-03
In-County Commercial CNG	T7 SWCV	In County	37	1	0.31	0.025	0.043	3.52E-03	3.103	3E-01	0.003	2E-04	0.036	3E-03	0.062	5E-03	0.052	2E+00	0.003	2E-04	0.009	7E-04	0.026	2E-03	1E-02	5E-01	11.219	9E-01	0.000	0E+00
In County Residential / Self Haul	LHD1	In County	340	1	0.06	0.042	0.007	5.02E-03 0.0291	0.010	7E-03 0.2850	0.002	2E-03 0.0269	0.008	6E-03 0.0442	0.076	6E-02 0.1229	0.011	3.70E+00 34.62	0.002	2E-03 0.0257	0.002	2E-03	0.033	2E-02	2.67E-03	9E-01	0.158	1E-01 3,7497	0.008	6E-03

Notes: Citations:

4. Assumes full line of vehicles 14 of the day or 9 hr x 0.25

5. Load Factor as listed in Table D-7 of Appendix D from Tables for Entission Reduction and Cost-Effectiveness Calculations; or 1 when data unavailable.

7. Number of Vehicles 1, Notes Isling x Load Factor x Emissions Factor converted to 1bc.

8. Tips x 1 milex x Load Factor x Emissions Factor converted to 1bc.

10. Strips x 1 milex x Load Factor x Emissions Factor converted to 1bc.

11. Converse the form 1bD (CCD1) (v. 10.2 1) (v. 10.2

Emission factors for Paved Surfaces on Public Roads

$$\begin{aligned} Eext &= [k(sL)^{0.91}(W)^{1.02}]x \; (1 - \frac{P}{4N}) \\ &\text{From CalEEMod 2016-3-2 User's Guide} \end{aligned}$$

Where:

The "periodistic uniture finite flower flowing unitor matching the males of K)

The "periodistic multiplies for periodistic range and units of interest from AP-42 Table 13.2.1-1

Le "nost surface" to looking (gin.)

W = Average weight from of the vehicles traveling the road

P = number of vereigning days with a less of 10 inch preceipitation shring the averaging period

N = number of loveraging days for period

Assume (LP40-91) The only high for dise

When:	Out of County Units	County Commercial Units	In County Self
k _{2.5} =	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT
k10 =	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT
<5,000 tpd =	1.1 g/m2	1.1 g/m2	1.1 g/m2
>5,000 tpd	0.1	0.1	0.1
W =	27.00 tons	20.5 tons	4.4 tons
High Use P=	0 days	0 days	0 days
N =	1 days	1 days	1 days
:ow Use P =	0 days	0 days	0 days
Then:			
ligh Use Ep _{2.5} =	0.002 lb/VMT	0.001 lb/VMT	0.000 lb/VMT
High Use Ep, =	0.008 lb/VMT	0.006 lb/VMT	0.001 lb/VMT
ow Use Ep, 5 =	0.017 lb/VMT	0.013 lb/VMT	0.003 lb/VMT
Low Use Ep ₁₀ =	0.069 lb/VMT	0.052 lb/VMT	0.011 lb/VMT

Source
AP-42 Table 13.2.1-1
AP-42 Table 13.2.1-2 (10/02 version), = 0.1 or high ADT road (>5000 tpd or 3.5 timin) and 0.4 for low ADT road

Table O2 Assume Dry Surface on peak day

Table L9 - Table O2 Peak Traffic Day Vehicle Weight Assumptions (assumes full load in and empty out)

Category	Type	GVW, Ib	NVW, Ib	Average, lb	Av Tons
Self-Haul Residential	Ford F250 Gross W	9,900	7,700	8,800	4.4
In County Commercial	Garbage Truck	51,000		41,000	20.5
Out of County Commercial	Transfer Truck	75,000	33,000	54,000	27

John Smith Road Landfill DEIR Appendix B

Attachment O1

Lawrence & Associates

3 of 3

JSRL

Queuing Model

- 1. This queuing model uses hourly traffic totals obtained from a survey conducted at El Dorado Disposal in 2014 to model traffic changes and peaks during a typical operating day.
- 2. The growth multiplier is used to prorate the trips to match the desired peak or average traffic at a site.

Number Length 6

- 3. The Model assumes highest peak day per year based on traffic for JSR (rounded to 580 trips). Those days typically occur once a year and include mattress drop off that do not require outbound weight so the average outbo weigh will be higher.
- 4. No queue of any kind forms at less than 361 vhicles per day and a negligible queue forms below 510 vehicles per day.
- 5. According to site staff check-in requires very little time because there is no financial transaction. Checkout takes more time for customers that do not have an account to pay.

Model Summary

	Number	Length, it			
Max Inbound Que	29	1,064			
Max Outbound Que	21	771			
Total In and Out Peak	50	1,835			
Max One Hour Average	41	1,492	< Use this for Emissions Modeling assuming	In (ft):	865

Design Variables

Variable
Average Check-In Time
Max Allowable Queuing Input Value 1.00 minutes = 1.00 minutes each with 1 Scales 48 vehicles 1 Lanes Transit Time 10.00 minutes from scale to tipping face (and back) Unloading Time Average Checkout Time 10.00 minutes 1.45 minutes or 2 scales at 2.90 minutes each 1.45 minutes or 2 scale:
34.00%
5 minutes
6 each
20 vehicles
99% vehicles that cross the scales
7:00 AM
5:00 PM % of vehicles with tare weight Time Step Unloading Spaces Desired Max In Unloading Queue Percentage of Vehicle that unload Opening Time 0.69 For Peak Traffic

Closing Time Growth Multiplier

0.690 Adjust to Obtain Desired Trips to be modeled

0.69 For Peak Traffic; 0.432 for Peak Tonnage Day

Incoming Queuing Assumptions: Proportions from Attachment K Single Lane Length

Single Lane Length	1,/50.00	π	X	1	lanes	
				Length per	To Be	
Vehicle Type	Percent	Quan	Length (ft)	Type (ft)	Modeled	< Used for Table O1.3
Commercial T7 CARP Dsl	5.00%	2.00	78.00	156	2	
Commercial T7 SWCV CNC	G (74%) 21.46%	10.00	38.00	380	9	
Commercial T7 SWCV Dsl	(26%) 7.54%	4.00	38.00	152	3	
Residential LHD1 Gas (95%	62.70%	30.00	33.00	990	25	
Residential LHD1 Dsl (5%)	3.30%	2.00	33.00	66	1	
Maxi	mum Allowable Queue	48.00	per Lane	1.744	40	

Weighted Average Length 36.7

								Ve	hicles in Zor	ne				
Vehicles Entering Site per Hour (reference) 2nd Axis				Time of Day	Time	Queue	Per Time		Queue	Vehicles Unloading	Scales	In Que at Checkout	Sum	1-hour Running Average
From El Dorado Traffic Study:				DESIRED M	AXIMUMS:	48			20	6	NA	40		
840.58	TRIPS:	580.00	N	MODELED M	AXIMUMS:	29	5	10	0	5	10	21		
					Average								16.93	
5			0.29	7:00 AM	0	0.00	0.29	0.28	0.00	0.14			0.00	
5			0.29	7:05 AM	5	0.00	0.29	0.57	0.00	0.28			0.00	
5		0.29	0.29	7:10 AM	10	0.00	0.29	0.57	0.00	0.28	0.57	0		
5			0.29	7:15 AM	15	0.00	0.29		0.00	0.28	0.57	0		
5			0.29	7:20 AM	20	0.00	0.29	0.57	0.00	0.28	0.57	0		
5		0.29	0.29	7:25 AM	25	0.00	0.29	0.57	0.00	0.28	0.57	0		
5			0.29	7:30 AM	30	0.00	0.29	0.57	0.00	0.28	0.57	0		
5			0.29	7:35 AM	35	0.00	0.29	0.57	0.00	0.28	0.57	0		
5		0.29	0.29	7:40 AM	40	0.00	0.29	0.57	0.00	0.28	0.57	0		
5			0.29	7:45 AM	45	0.00	0.29	0.57	0.00	0.28	0.57	0		
5			0.29	7:50 AM	50	0.00	0.29	0.57	0.00	0.28	0.57	0		
5 110			0.29 1.15	7:55 AM 8:00 AM	55 60	0.00	0.29 1.15	0.57 2.28	0.00	0.28 1.14	0.57 2.28	0		
110			2.01	8:00 AM 8:05 AM	65	0.00	2.01	3.98	0.00	1.14	3.98	0		
110			2.01	8:10 AM	70	0.00	2.88	5.69	0.00	2.85	5.69	0		
110			3.74	8:15 AM	75	0.00	3.74	7.40	0.00	3.70	7.40	0		
110			4.60	8:20 AM	80	0.00	4.60	9.11	0.00	4.55	9.11	0		
110			5.46	8:25 AM	85	0.46	5.00	9.90	0.00	4.95	9.90	0		
110			6.33	8:30 AM	90	1.79	5.00	9.90	0.00	4.95	9.90	1	2.45	
110			6.33	8:35 AM	95	3.11	5.00	9.90	0.00	4.95	9.90	1	4.10	
110			6.33	8:40 AM	100	4.44	5.00	9.90	0.00	4.95	9.90	1	5.75	
110			6.33	8:45 AM	105	5.76	5.00	9.90	0.00	4.95	9.90	2		
110	76	6.33	6.33	8:50 AM	110	7.09	5.00	9.90	0.00	4.95	9.90	2	9.06	
110	76	6.33	6.33	8:55 AM	115	8.41	5.00	9.90	0.00	4.95	9.90	2	10.72	
85	59	4.89	6.12	9:00 AM	120	9.53	5.00	9.90	0.00	4.95	9.90	3	12.17	
85		4.89	5.91	9:05 AM	125	10.45	5.00	9.90	0.00	4.95	9.90	3	13.41	
85	59	4.89	5.71	9:10 AM	130	11.16	5.00	9.90	0.00	4.95	9.90	3	14.45	
85		4.89	5.50	9:15 AM	135	11.66	5.00	9.90	0.00	4.95	9.90	4		
85		4.89	5.30	9:20 AM	140	11.96	5.00	9.90	0.00	4.95	9.90	4	15.91	
85		4.89	5.09	9:25 AM	145	12.05	5.00	9.90	0.00	4.95	9.90	4	16.33	
85		4.89	4.89	9:30 AM	150	2.16	5.00	9.90	0.00	4.95	9.90	5		
85		4.89	4.89	9:35 AM	155	0.00	5.00	9.90	0.00	4.95	9.90	5		
85	59	4.89	4.89	9:40 AM	160	0.00	4.89	9.68	0.00	4.84	9.68	5	5.16	

85		4.89	4.89	9:45 AM	165	0.00	4.89	9.68	0.00	4.84	9.68	5		11
85 85	59 59	4.89 4.89	4.89 4.89	9:50 AM 9:55 AM	170 175	0.00	4.89 4.89	9.68 9.68	0.00	4.84 4.84	9.68 9.68	6		11 10
100	69	5.75	5.01	10:00 AM	180	0.01	5.00	9.90	0.00	4.95	9.90	6		10
100	69 69	5.75 5.75	5.13 5.26	10:05 AM 10:10 AM	185 190	0.14 0.40	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	6 7		9
100	69	5.75	5.38	10:15 AM	195	0.78	5.00	9.90	0.00	4.95	9.90	7		8
100	69 69	5.75 5.75	5.50 5.63	10:20 AM 10:25 AM	200 205	1.29 1.91	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	7		7
100	69	5.75	5.75	10:30 AM	210	2.66	5.00	9.90	0.00	4.95	9.90	8	10.78	7
100 100	69 69	5.75 5.75	5.75 5.75	10:35 AM 10:40 AM	215 220	3.41 4.16	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	8 9		8
100	69	5.75	5.75	10:45 AM	225	4.91	5.00	9.90	0.00	4.95	9.90	9	14.02	9
100	69 69	5.75 5.75	5.75 5.75	10:50 AM 10:55 AM	230 235	5.66 6.41	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	9 10		10 11
120	83	6.90	5.91	11:00 AM	240	7.33	5.00	9.90	0.00	4.95	9.90	10	17.42	12
120 120	83 83	6.90 6.90	6.08 6.24	11:05 AM 11:10 AM	245 250	8.41 9.65	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	10 11		13 14
120	83	6.90	6.41	11:15 AM	255	11.06	5.00	9.90	0.00	4.95	9.90	11	22.14	15
120	83	6.90	6.57	11:20 AM	260	12.63	5.00	9.90	0.00	4.95	9.90	11		16
120 120	83 83	6.90 6.90	6.74 6.90	11:25 AM 11:30 AM	265 270	14.36 16.26	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	12 12		17 19
120	83	6.90	6.90	11:35 AM	275	18.16	5.00	9.90	0.00	4.95	9.90	12	30.56	21
120 120	83 83	6.90 6.90	6.90 6.90	11:40 AM 11:45 AM	280 285	20.06 21.96	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	13 13		22 24
120	83	6.90	6.90	11:50 AM	290	23.86	5.00	9.90	0.00	4.95	9.90	13	37.25	26
120 70	83 48	6.90 4.03	6.90 6.49	11:55 AM 12:00 PM	295 300	25.76 27.25	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	14 14		28 30
70	48	4.03	6.08	12:05 PM	305	28.33	5.00	9.90	0.00	4.95	9.90	14	42.70	32
70 70	48 48	4.03 4.03	5.67	12:10 PM 12:15 PM	310 315	29.00 29.26	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	15 15		34 35
70		4.03	5.26 4.85	12:15 PM 12:20 PM	315	19.41	5.00	9.90	0.00	4.95	9.90	15		35
70	48	4.03	4.44	12:25 PM	325	9.97	5.00	9.90	0.00	4.95	9.90	16	25.66	36
70	48 48	4.03 4.03	4.03 4.03	12:30 PM 12:35 PM	330 335	0.95 0.00	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	16 16		35 34
70	48	4.03	4.03	12:40 PM	340	0.00	4.03	7.97	0.00	3.98	7.97	16	15.71	33
70		4.03 4.03	4.03 4.03	12:45 PM 12:50 PM	345 350	0.00	4.03 4.03	7.97 7.97	0.00	3.98 3.98	7.97 7.97	15 14		31 29
70	48	4.03	4.03	12:55 PM	355	0.00	4.03	7.97	0.00	3.98	7.97	14	13.81	27
135	93	7.76	4.56	1:00 PM	360	0.00	4.56	9.03	0.00	4.51	9.03	14		25 22
135 135	93 93	7.76 7.76	5.09 5.63	1:05 PM 1:10 PM	365 370	0.09 0.72	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	14 14		20
135	93	7.76	6.16	1:15 PM	375	1.88	5.00	9.90	0.00	4.95	9.90	15	16.57	18
135 135	93 93	7.76 7.76	6.69 7.23	1:20 PM 1:25 PM	380 385	3.58 5.80	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	15 15		16 16
135	93	7.76	7.76	1:30 PM	390	8.57	5.00	9.90	0.00	4.95	9.90	16	24.24	17
135 135	93 93	7.76 7.76	7.76 7.76	1:35 PM 1:40 PM	395 400	11.33 14.09	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	16 16		17 19
135	93	7.76	7.76	1:45 PM	405	16.85	5.00	9.90	0.00	4.95	9.90	17	33.52	20
135 135	93 93	7.76 7.76	7.76 7.76	1:50 PM 1:55 PM	410 415	19.62 22.38	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	17 17		22 24
80	55	4.60	7.70	2:00 PM	420	24.69	5.00	9.90	0.00	4.95	9.90	18		27
80	55	4.60	6.86	2:05 PM	425	26.55	5.00	9.90	0.00	4.95	9.90	18		29
80 80	55 55	4.60 4.60	6.41 5.96	2:10 PM 2:15 PM	430 435	27.96 28.91	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	18 19		32 34
80	55	4.60	5.50	2:20 PM	440	29.41	5.00	9.90	0.00	4.95	9.90	19	48.38	37
80 80	55 55	4.60 4.60	5.05 4.60	2:25 PM 2:30 PM	445 450	29.47 19.87	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	19 20		39 40
80	55	4.60	4.60	2:35 PM	455	10.27	5.00	9.90	0.00	4.95	9.90	20	30.22	41
80 80	55 55	4.60 4.60	4.60 4.60	2:40 PM 2:45 PM	460 465	0.67 0.00	5.00 5.00	9.90 9.90	0.00	4.95 4.95	9.90 9.90	20 21	20.95 20.61	40 39
80	55	4.60	4.60	2:50 PM	470	0.00	4.60	9.11	0.00	4.55	9.11	21	20.55	37
80 76	55 52	4.60 4.37	4.60 4.57	2:55 PM 3:00 PM	475 480	0.00	4.60 4.57	9.11 9.04	0.00	4.55 4.52	9.11 9.04	20		36 34
76		4.37	4.53	3:05 PM	485	0.00	4.53	8.98	0.00	4.49	8.98	20		32
76		4.37	4.50	3:10 PM	490	0.00	4.50	8.91	0.00	4.46	8.91	20		30
76 76	52 52	4.37 4.37	4.47 4.44	3:15 PM 3:20 PM	495 500	0.00	4.47 4.44	8.85 8.78	0.00	4.42 4.39	8.85 8.78	20 20	19.89 19.66	28 25
76	52	4.37	4.40	3:25 PM	505	0.00	4.40	8.72	0.00	4.36	8.72	19	19.40	23
76 76	52 52	4.37 4.37	4.37 4.37	3:30 PM 3:35 PM	510 515	0.00	4.37 4.37	8.65 8.65	0.00	4.33 4.33	8.65 8.65	19 19		21 20
76	52	4.37	4.37	3:40 PM	520	0.00	4.37	8.65	0.00	4.33	8.65	19	18.51	20
76 76		4.37 4.37	4.37 4.37	3:45 PM 3:50 PM	525 530	0.00	4.37 4.37	8.65 8.65	0.00	4.33 4.33	8.65 8.65	18 18		20 19
76	52	4.37	4.37	3:55 PM	535	0.00	4.37	8.65	0.00	4.33	8.65	18	17.63	19
55 55		3.16 3.16	4.20 4.03	4:00 PM 4:05 PM	540 545	0.00		8.31 7.97	0.00	4.16 3.98	8.31 7.97	17 17		19 19
55	38	3.16	3.85	4:10 PM	550	0.00	3.85	7.63	0.00	3.81	7.63	16	15.72	18
55 55			3.68	4:15 PM 4:20 PM	555 560	0.00		7.29 6.94	0.00	3.64 3.47	7.29 6.94	15 14		18 17
55		3.16	3.51 3.34	4:20 PM 4:25 PM	565	0.00	3.51	6.60	0.00	3.47	6.60	12		17
55	38	3.16	3.16	4:30 PM	570	0.00	3.16	6.26	0.00	3.13	6.26	11	10.79	16
55 55		3.16 3.16	3.16 3.16	4:35 PM 4:40 PM	575 580	0.00		6.26 6.26	0.00	3.13 3.13	6.26 6.26	9		15 14
55	38	3.16	3.16	4:45 PM	585	0.00	3.16	6.26	0.00	3.13	6.26	6	6.32	13
55 55			3.16 3.16	4:50 PM 4:55 PM	590 595	0.00		6.26 6.26	0.00	3.13 3.13	6.26 6.26	5 3		12 11
55	38	3.16	3.16	5:00 PM	600	0.00	3.16	6.26	0.00	3.13	6.26	2	1.85	10
0			2.71	5:05 PM 5:10 PM	605 610	0.00	2.71 2.26	5.37	0.00	2.68 2.24	5.37 4.47	0		8 7
0			2.26 1.81	5:10 PM 5:15 PM	610	0.00	1.81	4.47 3.58	0.00	1.79	3.58	0		6
0	0	0.00	1.36	5:20 PM	620	0.00	1.36	2.68	0.00	1.34	2.68	0	0.00	5
0			0.90 0.45	5:25 PM 5:30 PM	625 630	0.00	0.90 0.45	1.79 0.89	0.00	0.89 0.45	1.79 0.89	0		3
0	0	0.00	0.00	5:35 PM	635	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2
0			0.00	5:40 PM 5:45 PM	640 645	0.00	0.00	0.00	0.00	0.00	0.00	0		1
0				5:50 PM	650	0.00		0.00	0.00	0.00	0.00			0
· · · · · · · · · · · · · · · · · · ·														

0	0	0.00	0.00	5:55 PM	655	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0
0	0	0.00	0.00	6:00 PM	660	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0

John Smith Road Landfill Attachment O2 - Existing Scenario

Alternatives Assessment

Variables

Table O2.1 - Summary Table - Existing Scenario

Location	PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG, lb/day	NOx, lb/day	CO, lb/day	SO ₂ , lb/day
Emissions from Paved Road	16.77	2.58	2.12	1.53	3.53	0.03
Emissions from Graveled Road	50.34	6.01	8.47	6.11	14.12	0.12
Emissions from Unpaved Road	6.95	0.70	0.00	0.00	0.00	0.00
Emissions from Soil Haul Path	0.00	0.00	0.17	4.43	4.44	0.02
Emissions from Waste Disposal Area	6.64	4.98	1.21	17.80	40.88	0.07
Emissions from Construction Area	0.00	0.00	0.07	0.37	2.95	0.01
Emissions from Stockpile	0.00	0.00	0.00	0.39	0.00	0.00
Flare or IC (current) ¹	0.09	0.09	2.96	9.88	0.54	42.55
Current LFG Fugitive Emissions	NA	NA	3.93	NA	NA	NA
Indirect (peak tonnage day, off site)App L	NA	NA	0.95	23.22	NA	NA
Total	80.80	14.35	19.88	63.73	66.46	42.79
MBARD Thresholds	82	82	137	137	550	150
Notor		_				

42.79 0.00

Project Year	2020			For Calc	ulating Dust C	Control Water		
Waste Delivery Miles - Paved	1,010	0.19	Miles One Way	5,050	lf Exist	6,033	Av. LF Proposed	1.19 Ratio
Waste Delivery Miles - Graveled	4,040	0.77	Miles One Way					
Construction Access - Unpaved	0	0.00	Miles One Way In Addition to Waste Delivery					
Construction Soil Haul - Unpaved	2,900	0.55	Miles One Way					
Construction Area		0	Acres					
Stockpile Area		0.25	Acres					
Waste Disposal Area		0.5	Acres Assume 200 x 200 working face					

Waste Disposal Area		0.5	Acres	Assume 200	x 200 working face	
Assumed Speeds						
Compactor Speed	3	mph				
Dozer Speed	3	mph				
Loader Speed	7.1	mph, AP-42 Default mph, AP-42				
Grader Speed	7.1	Default mph, AP-42				
Off-Road Haul Truck Speed	7.1	Default				
Excavator Speed	0	mph	mostly stationa	ry		
Backhoe Speed	0	mph	mostly stationa	ry		
Construction Excavation	0	cy				
Construction Excavation	0	tons @1.67 t/cy	0%	Loads	0.00	Total Miles One way
Daily Cover Excavation	160	cy (2000 tpd	waste /0.75 x 0.1	12 cy soil/cy w	raste	
Daily Cover Excavation	267	tons @1.67 t/cy	746%	Loads =	4.10	Total Miles One way

Waste Delivery On-Site Emissions - Assuming
Table O2.2 - On-Road Support Vehicles for Cor

See Footnotes on Attachment O1

ing 2020 Calendar Year Aggregate Speed, Aggregate Model Year, Aggregate Season Assume idling time is negligible

		Vehicle Pr	operties]	Emission Factors	s and Calculatio	ns											
On-Road Vehicles	Vehicle Category	Trips/Day	Trip Dist (both ways		s / Paved Miles Day (both wa		Miles/Day	y Load	RUNEX Emissions Factor NOx (g/mile) ¹⁰	NOx	STREX Emissions NOx (g/trip)	STREX Emissions Factor NOx (lb/day)	Factor ROG	8	STREX Emissions Factor ROG (g/trip) ¹⁰	Emissions	RUNLOSS Emissions Factor ROG (g/trip) ¹⁰	RUNLOSS Emissions ROG (lbs/day) ⁸	Factor PM10	Exhaust Emissions PM10 (lbs/day) ⁸	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions PM10 (lbs/day) ⁸	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰	Brake Wear Emissions PM10 (lbs/day) ⁸	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5 (lbs/day) ⁸	Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions PM2.5	Emissions Factor CO (g/mile) ¹⁰		Factor SOx	SOx
Ford Mechanic Truck (DSL)	LHD1	2	383%	3.8	0.8	3.1	0.0	1	3.65	0.0	0.00	0.000	2.11E-01	0.002	0.00	0.000	0.00	0.000	3.94E-02	0.000	1.20E-02	0.000	7.64E-02	0.001	3.77E-02	0.000	0.003	0.000	0.033	0.000	9.92E-01	0.008	5.52E-03	5E-03
Ford F450 Flat Bed (DSL)	LHD2	1	191%	1.9	0.4	1.5	0.0	1	2.57	0.0	0.00	0.000	1.80E-01	0.001	0.00	0.000	0.00	0.000	3.22E-02	0.000	1.20E-02	0.000	8.92E-02	0.000	3.08E-02	0.000	0.012	0.038	0.089	0.000	8.45E-01	0.004	6.17E-03	3E-05
Water Truck (DSL) ¹	T6 CAIRP heavy	32	6121%	61.2	12.2	49.0	0.0	1	2.12	0.3	0.00	0.000	6.78E-02	0.009	0.00	0.000	0.00	0.000	5.25E-02	0.007	1.20E-02	0.002	1.30E-01	0.018	5.02E-02	0.007	0.003	0.000	0.056	0.008	2.59E-01	0.035	9.33E-03	1E-03
Support Light Heavy Duty Trucks (2, DSL)	LHD1	4	765%	7.7	1.5	6.1	0.0	1	3.65	0.1	0.00	0.000	2.11E-01	0.002	0.00	0.000	0.00	0.000	3.94E-02	0.001	1.20E-02	0.000	7.64E-02	0.001	3.77E-02	0.001	0.003	0.000	0.033	0.001	9.92E-01	0.017	5.52E-03	9E-05
Tractor Trailer Delivery (DSL)	T7 CAIRP	1	191%	1.9	0.4	1.5	0.0	1	5.67	0.0	0.00	0.000	7.20E-02	0.000	0.00	0.000	0.00	0.000	5.04E-02	0.000	1.20E-02	0.000	6.17E-02	0.000	4.82E-02	0.000	0.003	0.000	0.026	0.000	3.31E-01	0.001	1.33E-02	6E-05
Carpool Vehicles (2, Gas)	LDT1	2	383%	3.8	0.8	3.1	0.0	1	0.03	0.0	0.17	0.001	7.13E-01	0.006	0.21	0.001	0.46	0.002	1.08E-03	0.000	8.00E-03	0.000	3.68E-02	0.000	9.97E-04	0.000	0.002	0.000	0.016	0.000	5.01E-01	0.004	2.52E-03	2E-05
Totals				80	16.1	64	0			0.414		0.001		0.020		0.001		0.002		0.008		0.002		0.020		0.008		0.039		0.009		0.069		0.007
rorated by Mile			-							5.16E-03		9.57E-06		2.46E-04		1.16E-05		2.52E-05		1.05E-04	-	2.60E-05		2.55E-04		1.00E-04		4.82E-04	-	1.12E-04		8.61E-04		8.55E-0
	e: The values for STREX,	HTSK, REST	, DIURN, RUNI	were all zero	in the EMFAC20	17 output and v	vere not analy	yzed.	-1	3.10E-03		7.57E-00		2.40L-04		1.10103		2.52E-05	•	otal PM ₁₀ g/day	3.10E-02		otal PM ₁₀ g/m		To	otal PM _{2.5} g/day			Total PM _{2.5} g/mi			0.01E-04		-

Table O2 3 - On-Boad Wasta Daliyary On-Sita Vahicles Proposed Project Peak Tonnage Day	Assuming 2020 Calandar Voor	Aggragata Speed, Aggragata Model Voor, Aggragata Soccon	Assuma idling tima is nagligible

		Site Prope	ties													•					Emission Factors	and Calculation	ns											
On-Road Vehicles	Vehicle Category	Trips / Day (Peak Tonnage) from Att K	Trip Dist (both ways)	Total Miles / Day	Miles on Paved Road	Miles on Gravel Road	Unpaved Miles/Day (both ways)	Load Factor ⁵		RUNEX Emissions NOx (lbs/day) ⁸	STREX Emissions NOx (g/trip)	Emissions Factor	- Emissions		Factor ROG	Emissions ROG	RUNLOSS Emissions Factor ROG (g/trip) ¹⁰	RUNLOSS Emissions ROG (lbs/day) ⁸	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions PM10 (lbs/day) ⁸	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions PM10 (lbs/day) ⁸	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰	Brake Wear Emissions PM10 (lbs/day) ⁸	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5 (lbs/day) ⁸	Factor	Tire Wear Emissions PM2.5 (lbs/day) ⁸	Factor PM2.5	Emissions PM2.5	Factor CO		Factor SOx	so
-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD-1 - Gas)	155	29650%	296	59	237	0	1	0.425	0.278	0.61	0.398	0.103	0.067	0.19	0.123	1.28	0.839	0.003	0.002	0.008	0.005	0.076	0.050	0.003	0.002	0.002	0.001	0.033	0.021	1.930	1.262	0.010	0.00
-County Commercial Diesef 1	T7-SWCV (Dsl)	23	4388%	44	9	35	0	1	21.912	2.120	4.34	0.420	0.019	0.002	0.00	0.000	0.00	0.000	0.022	0.002	0.036	0.003	0.062	0.006	0.021	0.002	0.009	0.001	0.026	0.003	0.058	0.006	0.035	0.00
County Commercial CNG	T7-SWCV (NG)	8	1542%	15	3	12	0	1	0.313	0.011	0.00	0.000	0.043	0.001	0.00	0.000	0.00	0.000	0.003	0.000	0.036	0.001	0.062	0.002	0.003	0.000	0.009	0.000	0.026	0.001	11.219	0.381	0.000	0.000
ut of County Commerciaf ²	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	73	13964%	140	28	112	0	1	3.234	0.996	1.85	0.569	0.072	0.022	0.00	0.000	0.00	0.000	0.050	0.016	0.036	0.011	0.062	0.019	0.048	0.015	0.009	0.003	0.026	0.008	0.331	0.102	0.013	0.004
TOTALS		259		495	99	396	0			3,404				0,093		0.123		0.839		0.020		0.021		0.077		0.019		0.005		0.033	1	1.751		0.014

Total PM₁₀ g/mi 2.38E-04 Total PM₁₀ g/day

JSRL DEIR Appendix B Attachment O2

Lawrence & Asociates 1 of 5

Notes:

1: The values for ROG and CO from the flare represent the detection limit. RIOG includes fugitive LFG, VOC emissions. The actual value will be lower.

2: Described as VOC in CEQA Guidelines (Assume ROG is synonymous)

3: Described as NO_X as NO₂ in CEQA Guidelines. Assume all NO_X is NO₂ for this analysis.

4: Describes as SOx as SO₂ in CEQA Guidelines. Assume all SO_X is SO₂ for this analysis.

Table O2 4	Emissions	from Off D	oad Vehicles	for Constru	ction Pool	Day

Assuming 2010 Model Year or Better for PM2.5, CO, and SO2

Assuming Tier 4 final for all equipment over 200 hp

		Vehic	ele Properties											Air Q	uality Emissi	on Factors and	Calculations				
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufactur er/ Model/ Fuel ²	Model Year (motor)	HP ³	Miles /Day	Tier ⁴	Load Factor ⁵	Peak Operating Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp-hr) ⁷	ROG (lbs/day)9	Exhaust Emissions Factor PM10 (g/bhp-hr) ⁷	Exhaust Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ⁷	со	Emissions Factor SO ₂ (g/bhp-hr) ⁷	Emissions SO ₂ (lbs/day) ⁹
Dozer (not used for bulk exc.)	Crawler Tractors	Caterpillar D6	202000%	165	0	3	0.43	0	7	2.32	0.00	0.09	0.00	0.112	0.00	0.348	0.00	3.408	0.00	0.005	0.00
Dozer	Crawler Tractors	Caterpillar D8	202000%	310	0	4 (Final)	0.43	0	7	0.26	0.00	0.05	0.00	0.009	0.00	0.209	0.00	3.067	0.00	0.005	0.00
Dozer (Stockpile Area)	Crawler Tractors	Caterpillar D6	202000%	140	0	3	0.43	0	7	2.32	0.00	0.09	0.00	0.112	0.00	0.348	0.00	3.408	0.00	0.005	0.00
Grader (not used for bulk excav.)	Graders	Caterpillar 14	NA	150	0	3	0.41	0	7	2.32	0.00	0.09	0.00	0.112	0.00	0.167	0.00	1.438	0.00	0.005	0.00
Loader (Stockpile Area for Screening)	Rubber Tired Loaders	Caterpillar 93	202000%	190	0	3	0.36	0	7	2.32	0.00	0.09	0.00	0.088	0.00	0.569	0.00	4.268	0.00	0.005	0.00
Pad-Foot Compactor	Rollers	Caterpillar 82	202000%	341	0	4 (Final)	0.38	0	7	0.26	0.00	0.05	0.00	0.009	0.00	0.288	0.00	4.922	0.00	0.005	0.00
Smooth Drum Roller (NA)	Rollers	Caterpillar CS	202000%	74	0	3	0.38	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.516	0.00	3.914	0.00	0.005	0.00
Backhoe (NA)	Tractors/Loaders/ Backhoes	Caterpillar 42	202000%	88	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.112	0.00	0.464	0.00	3.832	0.00	0.005	0.00
Excavator (2)	Excavators	John Deere 350 Diesel	202000%	271	0	4 (Final)	0.38	0	7	0.26	0.00	0.05	0.00	0.009	0.00	0.163	0.00	1.440	0.00	0.005	0.00
Screening Plant (Stockpile Area)	Other Construction Equipment	Spyder 514TS Diesel	202000%	74	0	3	0.42	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.505	0.00	3.899	0.00	0.005	0.00
Extended Loader (for liner)	Tractors/Loaders/ Backhoes	JCB 20TC	202000%	74	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.464	0.00	3.832	0.00	0.005	0.00
Off-Road Dump/haul truck (3)	Off-Highway Trucks	Caterpillar 74	202000%	453	0	4 (Final)	0.38	0	7	0.26	0.00	0.05	0.00	0.009	0.00	0.196	0.00	2.322	0.00	0.005	0.00
Totals	•										0.00		0.00		0.00		0.00		0.00		0.00

Note:
For a typical construction project, it is assumed that highest emissions takes place during the bulk excavation phase - assuming site-specific excavation equipment consisting primarily of two scrapers and a dozer as listed above as Tier 4.

Table O2.5 Off-Road Vehicles for Operations - Current - 2020

Assuming 2010 Model Year or Better for PM2.5, CO, and SO2

	Vehi	cle Properties						Operation	1 Properties						Emission Fa	ctors and Calcu	lations				
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufactur er/Model/ Fuel ²	Model Year (motor)	HP ³	Miles Per Day	Tier ⁴	Load Factor ⁵	Peak Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp-hr) ⁷	ROG	Emissions Factor PM10 (g/bhp-hr) ⁷	Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ¹¹	Emissions CO (lbs/day) ⁹	Emissions Factor SO ₂ (g/bhp- hr) ¹¹	
Dozer (Mainline)	Crawler Tractors	Caterpillar D6	201500%	255	10	4 (Final)	0.43	8	7	0.260	0.50	0.050	0.10	0.009	0.02	0.209	0.40	3.067	5.93	0.005	0.01
Dozer (Mainline)	Crawler Tractors	Caterpillar D8	201500%	310	10	4 (Final)	0.43	8	7	0.260	0.61	0.050	0.12	0.009	0.02	0.209	0.49	3.067	7.21	0.005	0.01
Dozer (Support)	Crawler Tractors	Caterpillar D6	200700%	200	0	2	0.43	0	7	4.150	0.00	0.110	0.00	0.088	0.00	0.229	0.00	1.899	0.00	0.005	0.00
Grader	Graders	Caterpillar 14	NA	150	6	2	0.41	2	7	7.600	2.06	0.620	0.17	0.274	0.07	0.456	0.12	3.904	1.06	0.005	0.00
Loader	Rubber Tired Loaders	Caterpillar 93	201500%	182	5	4 (Final)	0.36	2	7	12.090	3.49	1.310	0.38	0.605	0.17	0.147	0.04	3.522	1.02	0.057	0.02
Compactor	Rollers	Caterpillar 82	201500%	426	9	4 (Final)	0.38	8	7	0.260	0.74	0.050	0.14	0.009	0.03	0.288	0.82	4.922	14.05	0.005	0.01
Compactor	Rollers	Caterpillar 82	201500%	426	5	2	0.38	4	7	3.790	5.41	0.090	0.13	0.088	0.13	0.288	0.41	4.922	7.03	0.005	0.01
Backhoe	Tractors/Loaders/Backing	Caterpillar 42	200000%	81.8	0	2	0.37	2	7	4.750	0.63	0.170	0.02	0.192	0.03	0.464	0.06	3.832	0.51	0.005	0.00
Excavator	Excavators	John Deere 350 Diesel	200100%	283	0	4 (Final)	0.38	6	7	0.260	0.37	0.050	0.07	0.009	0.01	0.158	0.22	2.077	2.95	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	200400%	380	16	3	0.38	6	7	2.320	4.43	0.090	0.17	0.008	0.02	0.196	0.37	2.322	4.44	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	200400%	380	0	3	0.38	0	7	2.320	0.00	0.090	0.00	0.008	0.00	0.196	0.00	2.322	0.00	0.005	0.00
Truck Tipper	Other Construction Equipment	Columbia	201500%	156	NA	2	0.42	6	7	4.150	3.60	0.150	0.13	0.128	0.11	0.349	0.30	3.474	3.01	0.005	0.00
Street Sweeper	Other Construction Equipment	Elgin 2019	201900%	74	NA	4 (Final)	0.42	4	7	2.740	0.75	0.090	0.02	0.009	0.00	0.505	0.14	3.899	1.07	0.005	0.00

Table O2.6 Fugitive Dust - Paved Operations and Construction Support

	Road Distance Both	PM ₁₀ Emissions Factor,	Control	Paved Road Const. PM ₁₀ Emissions lb		Paved Road PM _{2.5} Emissions
Construction Activity	Ways	lb/VMT	Efficiency	per Day ³	Factor, lb/VMT	lb per Day ³
In County Public / Self Haul	59	0.135	90%	8.02	0.007	0.41
In/County Commercial	12	0.134	90%	1.59	0.033	0.39
Out of County Commercial	28	0.178	90%	4.96	0.044	1.22
Operations/Support	16	0.135	90%	2.17	0.033	0.53
Current & Proposed				16.74		2.55

Table O2.7 Fugitive Dust - Graveled Operations & Construction

	Road Distance Both	PM ₁₀ Emissions Factor,	Control		PM _{2.5} Emissions	Paved Road PM _{2.5} Emissions
Construction Activity	Ways	lb/VMT	Efficiency	per Day ³	Factor, lb/VMT	lb per Day ³
In County Public / Self Haul	237	1.012	90%	24.01	0.101	2.40
In/County Commercial	47	0.134	90%	0.64	0.202	0.96
Out of County Commercial	112	2.290	90%	25.58	0.229	2.56
Construction/Operations Support	0	2.030	90%	0.00	0.203	0.00
Totals				50.22		5.92

Table O2.8 Fugitive Dust - Unpaved Operations

	Road Distance Both	PM ₁₀ Emissions Factor,	Control	Paved Road Const. PM ₁₀ Emissions	PM _{2.5} Emissions	Paved Road PM _{2.5} Emissions
Construction Activity	Ways	lb/VMT	Efficiency	per Day ³	Factor, lb/VMT	per Day ³
Construction Support	0	2.030	80%	0.00	0.262	0.00
Daily Cover Haul Truck	8	4.242	80%	6.95	0.424	0.70
Totals				6.95		0.70

Table O2.9 Fugitive Dust - Unpaved Construction

Construction Activity Soil Haul Truck	Road Distance Both Ways 0	PM ₁₀ Emissions Factor, lb/VMT	Control Efficiency 75%		
Totals				0.00	0.00

Table O2.10 Fugitive Dust - Waste Filling Pad (Operations)

Construction Activity	VMT	PM ₁₀ Emissions Factor, lb/VMT	Control Efficiency		PM _{2.5} Emissions Factor, lb/VMT	Paved Road PM _{2.5} Emissions Ib per Day ³
Grader, Loader, Scraper	11	1.543	75%	4.22	0.227	0.62
Compacting Waste & Dozers	Hr	lb/hr			lb/hr	
Compactor/Dozer	11	0.753	80%	1.72	0.414	0.95
Unloading Daily Cover	Ton	lb/ton			lb/ton	
Daily Cover Unloading	534	0.0002	25%	0.10	0.000	0.01
Totals				6.03		1.58

Table O2.11 Fugitive Dust - Construction Area

Construction Activity	VMT	PM ₁₀ Emissions Factor, lb/VMT	Control Efficiency	Paved Road Const. PM ₁₀ Emissions lb per Day ³	PM _{2.5} Emissions Factor, lb/VMT	Paved Road PM _{2.5} Emissions per Day ³
Loader, grader, scraper	0	1.543	75%	0.00	0.227	0.00
Ripping/Compacting	Hr	lb/hr			lb/hr	
Dozer, Compactor, Grader	0	0.753	75%	0.00	0.414	0.00
Loading	Tons	lb/ton			lb/ton	
Daily Cover Unloading	0	0.0002	25%	0.00	0.000	0.00
Totals				0.00		0.00

Table O2.12 Fugitive Dust - Stockpiling Area (including screening)

			Control	_	PM _{2.5} Emissions	Paved Road PM _{2.5} Emissions
Construction Activity	Hr	Lb/Hr	Efficiency	per Day ³	Factor, lb/VMT	per Day ³
Loader (to load screen)	0	1.543	75%	0.00	0.227	0.00
Dozer, Compactor,	0	1.543	75%	0.00	0.414	0.00
Loading	Tons					
Screening	0	0.0002	75%	0.00	0.000	0.00
Unloading	0	0.0002	75%	0.00	0.000	0.00
Totals				0.00		0.00

- 1: Average trips from Table K.1 x miles on paved or unpaved road
 2: Average trips from Table K.2 x miles on paved or unpaved road
 3: Assuming (Ep truck x VMT truck) + (Ep car x VMT car)
 4: Assuming (Ep truck x VMT truck) + (Eup car x VMT car)
 5: Assumes regular watering during and/or dust suppressants during dry periods per AP-42 Section 13, Figure 13.2.2-2 Moisture Ratio of 4.25
 6: Assumes 10 delivery and employee trips per project at Proposed Project mileage
 7: Assumes 4.000 cylday 2.5 cytrip = 100 trips and one mile round trip to stockpile
 8: Assuming (Eup Off-Road Dump x VMT truck) + (Eup Off-Road Car x VMT car)

Dust Emissions Factor Calculation

Equation OA: Paved Road Emission Factor Equation for On-Site Roads

Equation (1) from USEPA, AP-42 Fifth Edition, 2011, Section 13.2.1

- Where: $Ep = \text{particulate matter factor (having units matching the units of K)} \\ k = \text{particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.1-1} \\ sL = \text{road surface silt loading } (g/m2) \\ W = \text{average weight (tons) of the vehicles traveling the road} \\ P = \text{number of wet days with at least 0.01 inch or precipitation during the averaging period} \\ N = \text{number of averaging days for period}$

		In-County			
When:	Out of County Units	Commercial Units	Self Haul	Operations	Source
$k_{2.5} =$	0.00054 lb/VMT	0% lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT	AP-42 Table 13.2.1-1
$k_{10} =$	0.0022 lb/VMT	0% lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT	AP-42 Table 13.2.1-1
$_{sL} =$	4.25 g/m2	425% g/m2	4.25 g/m2	4.25 g/m2	AP-42 Table 13.2.1-5 Assume surface low range of 1.1 on inbound leg and mean of 7.4 on outbound leg from 13.2.13, average of
W =	27.00 tons	2050% tons	4.4 tons	20.7 tons	See Table Q12 below
On Site P =	1 days	100% days	1 days	1 days	days Assume watered surface
On Site N =	1 days	100% days	1 days	1 days	days Assume watered surface
Then:					
Ep2.5 =	0.044 lb/VMT	3% lb/VMT	0.007 lb/VMT	0.033 lb/VMT	
Ep10 =	0.178 lb/VMT	13% lb/VMT	0.028 lb/VMT	0.135 lb/VMT	

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Equation OB: Gravel Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

		In-County			
When:	Out of County Units	Commercial Units	Self Haul	Operations	Source
k _{2.5} =	0.15 lb/VMT	15% lb/VMT	0.15 lb/VMT	0.15 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
$k_{10} =$	1.5 lb/VMT	150% lb/VMT	1.5 lb/VMT	1.5 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
s =	6.4 %	640% %	6.4 %	6.4 %	Per AP-42 Table 13.2.2-1 for landfills, mean of graveled roads
W =	27.0 tons	2050% tons	4.4 tons	20.7 tons	Table O2
a =	0.9	90%	0.9	0.9	Per AP-42 Table 13.2.2-2 for industrial roads
b =	0.45	45%	0.45	0.45	Per AP-42 Table 13.2.2-2 for industrial roads
Then:					
Eup2.5 =	0.229 lb/VMT	20% lb/VMT	0.101 lb/VMT	0.203 lb/VMT	
E _{11P} 10 =	2.290 lb/VMT	202% lb/VMT	1.012 lb/VMT	2.030 lb/VMT	

Equation OC: Unpaved Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2
Where:
Eup = size-specific emission factor (lb/VMT) for unpaved surface
k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2
s = surface material silt content (%)
W = mean vehicle weight (tons)
a = industrial road constant from AP-42, Table 13.2.2-2
b = industrial road constant from AP-42, Table 13.2.2-2

When:	Haul Truck Units	Operations Units	Source
$k_{2.5} =$	0.15 lb/VMT	15% lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
$k_{10} =$	1.5 lb/VMT	150% lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
$_{\mathbf{S}}=$	8.5 %	850% %	Per AP-42 Table 13.2.2-1 for landfills, mean for construction site scraper routes
W =	60.3 tons	2067% tons	Table Q13
a =	0.9	90%	Per AP-42 Table 13.2.2-2 for industrial roads
b =	0.45	45%	Per AP-42 Table 13.2.2-2 for industrial roads
Then:			
Eup2.5 =	0.424 lb/VMT	26% lb/VMT	
E _{1.10} 10 =	4.242 lb/VMT	262% lb/VMT	

Table OC.1 Vehicle Weight Assumptions (assumes full load in and empty out)

Category	Type	Percent	GVW, lb	NVW, lb	Average, lb	Av Tons
Small Vehicle (Public /Self Haul)	Ford F250 Gross Weight	NA	9,900	7,700	8,800	4.4
In County Commercial	Garbage Truck	NA	51,000	31,000	41,000	20.5
Out of County Commercial	Waste Transfer Truck	NA	75,000	33,000	54,000	27.0
Support Vehicles For Construction						
Average of:	Miles					
Ford Mechanic Truck (DSL)	2	5%	14,000	8,600	11,300	5.7
Ford F450 Flat Bed (DSL)	1	2%	14,000	8,600	11,300	5.7
Water Truck (DSL), 4,000 gal	32	76%	63,000	29500	46,250	23.1
Support Light Heavy Duty Trucks (2, DSL)	4	10%	14,000	8,600	11,300	5.7
Tractor Trailer Delivery (DSL)	1	2%	75,000	33,000	54,000	37.5
Carpool Vehicles (2, Gas)	2	5%	51,000	31,000	41,000	25.5
Total	42				Weighted Averag	20.7
Off Road Dump	CAT 740	NA	162,399	78,632	120,516	60.3

GVW: Gross vehicle weight including load

NVWL Net vehicle weight or :"curb weight" without load

Source: US. EPA, Fifth Edition AP-42, Section 13.2.

Equation OD - Grading Equipment Passes

Use for graders, loaders, rubber tired dozers, and scrapers to scrape or push soil

 $EF_{PM15} = 0.051 \text{ x (S)}^{2.0}$, and $EF_{PM10} = EF_{PM15} \text{ x } F_{PM10}$, Used for PM_{10}

 EF_{TSP} - 0.4 x (S)^{2.5}, and $EF_{PM2.5} = EF_{TSP}$ x $F_{PM2.5}$, Used for $PM_{2.5}$

Source: CalEEMod 2020.4.0, Appendix A Page 8

$$\begin{split} Where: & \\ EF = \text{ emissions factor (lb/VMT)} \\ S = \text{ mean vehicle speed (mph)} \\ F_{PM2.5} = PM_{2.5} \text{ scaling factor.} \\ F_{PM10} = PM_{10} \text{ scaling factor.} \end{split}$$
Typical grading areas cres per day AP-42 Default = 7.1 Crawler Tractors (Dozer)
AP-42 Default = 0.03 Graders AP-42 Default = Scrapers

1.543 lb/VMT $EF_{PM10}\!=\!$ 0.227 lb/VMT

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Equation OE - Bulldozers Passes Use for compactors & tracked dozers

```
EF_{PM15} = (C_{PM15} \ x \ s^{1.5}) \ / \ M^{1.4} \ \ , \ and \ EF_{PM10} = EF_{PM15} \ x \ \ F_{PM10}; \ used \ for \ PM_{10}
                                                           EF<sub>TSP</sub> - (C<sub>TSP</sub> x s<sup>1.2</sup>)/ M<sup>1.3</sup> , and EF _{PM2.5} = EF<sub>TSP</sub> x F_{PM2.5}; used for PM_{2.5}
                                                           CalEEMod 2020.4.0, Appendix A Page 9
                                               Where:

EF = emissions factor (lb/hr)

C = Coefficient used by AP-42
                                                                                                                              Per AP-42 defaults for Overburden C_{TSP} = 5.7 \qquad C_{PM15} = 1 \\ s = 6.90 \qquad AP-42 \; Baseline \quad On site material is bedrock that is being ripped or broken \\ M = 7.90 \qquad AP-42 \; Baseline
                                             C = Coefficient used by Ar-42 C_{TSF} = 3.7

s = Material silt content (%) <math>s = 6.90

M = Material moisture content (%) <math>M = 7.90

F_{PML5} = PM_{L5} scaling factor. AP-42 default <math>F_{PML5} = 0.105

F_{PML0} = PM_{L0} scaling factor. AP-42 default <math>F_{PML0} = 0.75
                                                                                             0.753 lb/hr x hr/day
                                             EF_{PM10} =
                                             EF<sub>PM2.5</sub> =
                                                                                             0.414 lb/hr x hr/day
Equation OF Truck Loading
                                                           EF_D = k \times (0.0032) \times ((U/5)^{1.3} / (M/2)^{1.4})
                                                        From CalEEMod Appendix A and AP-42 Section 13.2.4 re: Per AP-42 defaults for Overburden
                                             Where:
EF = emissions factor (lb/ton)
                                                                                                                                            PM_{10} = 0.35
                                                  k = Particle size multiplier
U = mean wind speed (mph)
M = Material moisture content
                                                                                                                                                                                    PM_{2.5} = 0.053
                                                                                                                                         M = 7.90 AP42 Table 13.2.4-1 clay/dirt r Assume 12 for mitigated
                                     Assume:

U =

Load size =

Fluff factor =
                                                                                        6.7 mph based on site specific wind data; Mode
30 CY loose,
1.3 CY loose/ CY banked
1.6875 t/cy, in place 12500%
6.000 cy/day
10.125 t/day
500 cy/day
843.75 t/day
                              Banked density =
Production =
Production =
                      Screening Production =
Screening Production =
                                           \begin{array}{l} EF_{PM10} = \\ EF_{PM2.5} = \end{array}
```

Equation OG Asphalt

While there is no specific screen associated with asphalt paving emissions, CalEEMod estimates VOC off-gassing emissions associated with asphalt paving of parking lots using the following equation: Source CalEEMod Users Manual, 2020, Page 18

```
E_{AP} = EF_{AP} \times \mathbf{A}_{Parking}
                          Where: E = emissions (lb) 
 EF = emission factor (lb/acre). The SMAQMD default emission factor is 2.62 lb/acre.16 
 A = area of the parking lot (acre)
                                                                      9.17 lb. VOC /acre
E_{AP} =
Acres of New Pavement
Das of Construction =
E_{AP}d =
                                                                    3.5 Acres
2
4.585 lb. VOC /day
```

2.3945E-04 lb/ton x production = 3.6260E-05 lb/ton x production =

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Attachment Q - Scenario 1: Entrance
Alternatives Assessment - Combination Construction & Operations

Table O3.1 - Summary Table - Scenario 1

Location	PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG, lb/day	NOx, lb day	CO, lb day	SO2, lb/day
Emissions from Paved Road	6.61	1.06	0.20	0.96	1.57	0.02
Emissions from Graveled Road	9.61	1.11	0.03	0.15	0.25	0.00
Emissions from Unpaved Road	3.55	0.35	0.00	0.00	0.00	0.00
Emissions from Soil Haul Path	28.45	2.84	0.70	3.66	28.65	0.02
Emissions from Waste Disposal Area	6.40	4.62	1.13	11.68	31.51	0.06
Emissions from Construction Area	4.70	3.37	0.63	5.62	26.64	0.06
Emissions from Stockpile	2.38	2.78	0.21	0.39	6.05	0.01
Flare or IC (peak) ¹	0.44	0.45	4.22	49.89	2.27	214.91
Peak LFG Fugitive Emissions	NA	NA	10.81	NA	NA	NA
Indirect (peak tonnage day, off site)App L	NA	NA	0.29	22.57	NA	NA
Entrance Queuing	0.00	0.00	0.10	1.05	1.45	0.00
Total	62.14	16.59	18.33	95.97	98.39	215.07
Baseline (2021)	80.80	14.35	19.88	63.73	66.46	42.79
Change from Baseline	-18.65	2.24	-1.55	32.23	31.93	172.28
MBARD Thresholds	82	82	137	137	550	150

Variables

Variables													
Project Year	2025												
Waste Delivery Miles - Paved	3,000	0.57	Miles One Way			3,480							
Waste Delivery Miles - Graveled	480	0.09	Miles One Way										
Construction Access - Unpaved	0	0.00	Miles One Way In Addition to Waste Delivery										
Construction Soil Haul - Unpaved	1,480	0.28	Miles One Way										
Construction Area		23.8	Acres										
Stockpile Area		6	Acres										
Waste Disposal Area		1	Acres	Assume 200	0 x 200 working face								
Assumed Speeds													
Compactor Speed	3	mph											
Dozer Speed	3	mph											
Loader Speed	7.1	mph, AP-42 Default											
Grader Speed	7.1	mph, AP-42 Default											
Off-Road Haul Truck Speed	7.1	mph, AP-42 Default											
Excavator Speed	0	mph	mostly stationary										
Backhoe Speed	0	mph	mostly stationary										
Construction Excavation	6,000	cy											
Construction Excavation	10,020	tons @1.67 t/cy	239	Loads	67.05	Total Miles One way							
Daily Cover Excavation	320	cy (2000 tpd waste /0.75	x 0.12 cy soil/cy wast	e									
Daily Cover Excavation	534	tons @1.67 t/cy	15	Loads =	4.18	Total Miles One way							

Waste Delivery On-Site Emissions - Assuming

See Footnotes on Attachment O1

		Vehicle Pro	operties																	Emission	n Factors and	l Calculation	ıs										
									RUNEX	RUNEX	STREX	STREX	RUNEX	RUNEX	STREX Emissions	STREX	RUNLOSS Emissions	RUNLOSS				Tire Wear	Emissions	r Brake Wear	Emissions	Exhaust		Tire Wear	Brake Wear Emissions	Brake			
On-Road Vehicles	Vehicle Category	Trips/Day	Trip Dust (both	Total Miles	Paved Miles / Day (both ways)	Graveled Miles/Day (both ways)	Unpaved Miles/Day (both ways)	Load Factor ⁵	Emissions Factor NOs (g/mile) ¹⁰	Emissions NOx (lbs/day) ⁸	Emissions Factor NOx (g/trip)		Emissions Factor ROC (g/mile) ¹⁰		Factor ROG (g/trip) ¹⁰	Emissions ROG (lbs/day) ⁸	Factor ROG (g/trip) ¹⁰	Emissions ROG (lbs/day) ⁸	Factor PM10 (g/mile) ¹⁰	Emissions PM10 (lbs/day) ⁸	PM10		PM10	Emissions PM10 (lbs/day) ⁸	Factor PM2.5 (g/mile) ¹⁰	Emissions PM2.5 (lbs/day) ⁸	Factor PM2.5 (g/mile) ¹⁰	Emissions PM2.5 (lbs/day) ⁸	Factor PM2.5 (g/mile) ¹⁰	PM2.5	Factor CO	co	Emissions E Factor SOx (g/mile) ¹⁰ (
ord Mechanic Truck (DSL)	LHD1	2	2.6	2.6	2.3	0.4	0.0	1	2.74	0.0	0.00	0.000	1.93E-01	0.001	0.00	0.000	0.00	0.000	3.34E-02	0.000	1.20E-02	0.000	7.64E-02	0.000	3.19E-02	0.000	0.003	0.000	0.033	0.000	9.36E-01	0.005	5.30E-03
ord F450 Flat Bed (DSL)	LHD2	1	1.3	1.3	1.1	0.2	0.0	1	1.89	0.0	0.00	0.000	1.69E-01	0.000	0.00	0.000	0.00	0.000	2.96E-02	0.000	1.20E-02	0.000	8.92E-02	0.000	2.84E-02	0.000	0.003	0.038	0.038	0.000	8.29E-01	0.002	5.91E-03
ater Truck (DSL)1	T6 CAIRP heavy	32	42.2	42.2	36.4	5.8	0.0	1	1.36	0.1	1.36	0.096	4.93E-02	0.005	0.00	0.000	0.00	0.000	1.48E-02	0.001	1.20E-02	0.001	1.30E-01	0.012	1.42E-02	0.001	0.003	0.000	0.026	0.002	2.59E-01	0.024	9.33E-03
apport Light Heavy Duty Trucks (2, DSL)	LHD1	4	5.3	5.3	4.5	0.7	0.0	1	2.74	0.0	0.00	0.000	1.93E-01	0.001	0.00	0.000	0.00	0.000	3.34E-02	0.000	1.20E-02	0.000	7.64E-02	0.001	3.19E-02	0.000	0.003	0.000	0.056	0.001	7.69E-02	0.001	8.98E-03
ractor Trailer Delivery (DSL)	T7 CAIRP	1	1.3	1.3	1.1	0.2	0.0	1	2.30	0.0	2.23	0.005	2.10E-02	0.000	0.00	0.000	0.00	0.000	3.09E-02	0.000	3.60E-02	0.000	6.17E-02	0.000	2.96E-02	0.000	0.009	0.000	0.026	0.000	1.95E-01	0.001	1.19E-02
ractor Trailer RNG 4 trips/mo																																	
arpool Vehicles (2, Gas)	LDT1	2	2.6	2.6	2.3	0.4	0.0	1	0.05	0.0	0.23	0.001	1.13E-02	0.000	0.30	0.001	0.63	0.003	1.48E-03	0.000	8.00E-03	0.000	3.68E-02	0.000	1.36E-03	0.000	0.002	0.000	0.016	0.000	7.08E-01	0.004	2.81E-03
otals				55	47.7	8	0			0.187		0.102		0.007		0.001		0.003		0.002		0.002		0.014		0.002		0.039		0.004		0.037	
rorated by Mile										3.38E-03		1.84E-03		1.35E-04		2.40E-05		5.01E-05		3.87E-05		2.73E-05		2.55E-04		3.70E-05		6.97E-04		6.47E-05		6.77E-04	1

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Notes:

1: The values for ROG and CO from the flare represent the detection limit. The actual value will be lower.

2: Described as VOC in CEQA Guidelines (Assume ROG is synonymous)

3: Described as NO_X as NO₂ in CEQA Guidelines. Assume all NO_X is NO₂ for this analysis.

4: Describes as SO_X as SO₂ in CEQA Guidelines. Assume all SO_X is SO₂ for this analysis.

Table O3.3 - On-Road Waste Delivery On-Site Vehicles Proposed Project Average Tonnage Day

Assuming 2025 Calendar Year Aggregate Speed, Aggregate Model Year, Aggregate Season Assume idling time is negligible

		Site Prope	erties																	Emission	n Factors an	d Calculation	ıs											
On-Road Vehicles	Vehicle Category	Trips / Day (Peak Tonnage) from Att K	Trip Dist (both ways)	Total Miles	Miles on Paved Road	Miles on Gravel Road	Unpaved Miles/Day (both ways)	Load Factor ⁵	RUNEX Emissions Factor NOx (g/mile) ¹⁰	RUNEX Emissions NOx (lbs/day) ⁸	STREX Emissions Factor NOx (g/trip)	STREX Emissions NOx (lb/day)	RUNEX Emissions Factor ROG (g/mile) ¹⁰		Factor ROG	STREX Emissions ROG	Factor ROG	RUNLOSS Emissions ROG	Factor PM10	Exhaust Emissions PM10	Factor PM10	Tire Wear	Factor PM10	Wear Emissions PM10	PM2.5	Exhaust Emissions PM2.5 (lbs/day) ⁸	PM2.5	Tire Wear Emissions PM2.5	PM2.5	Brake Emissions PM2.5	Factor CO	CO	Emissions Factor SOx 8 (g/mile) ¹⁰	SOx
n-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD 1 - Gas)	217	286	286	247	39	0	1	0.276	0.174	0.56	0.353	0.056	0.036	0.14	0.089	0.08	0.052	0.003	0.002	0.008	0.005	0.076	0.048	0.002	0.001	0.002	0.001	0.033	0.021	1.827	1.152	0.010	0.006
n-County Commercial Diesel ¹¹	T7-SWCV (Dsl)	29	38	38	33	5	0	1	1.787	0.150	5.23	0.438	0.023	0.002	0.00	0.000	0.00	0.000	0.018	0.001	0.036	0.003	0.062	0.005	0.018	0.001	0.009	0.001	0.026	0.002	0.064	0.005	0.030	0.003
n County Commercial CNG	T7-SWCV (NG)	10	13	13	12	2	0	1	0.313	0.009	0.00	0.000	0.043	0.001	0.00	0.000	0.00	0.000	0.003	0.000	0.036	0.001	0.062	0.002	0.003	0.000	0.009	0.000	0.026	0.001	11.219	0.331	0.000	0.000
out of County Commercial ¹²	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	95	125	125	108	17	0	1	1.787	0.493	2.23	0.615	0.021	0.006	0.00	0.000	0.00	0.000	0.031	0.009	0.036	0.010	0.062	0.017	0.030	0.008	0.009	0.002	0.026	0.007	0.195	0.054	0.012	0.003
TOTALS	<u> </u>	351		463	399	64	0			0.826				0.045		0.089		0.052		0.012		0.019		0.072		0.011		0.005		0.031		1.542		0.012
rorated by Mile		-	·		·					1.79E-03		0.00E+00		1.12E-04		2.23E-04		1.30E-04		2.99E-05		4.78E-05		1.81E-04		2.80E-05		1.19E-05		7.76E-05		3.87E-03	4	3.01E-05

Table O3.4 - Emissions from Off-Ro	ad venicles for Construction i				Assuming 2015 Mode	i I cai oi bettei i	01 F.W.2.3, CO, an	iu 302		Assuming Tier	4 Illiai ioi ali e	quipinent over 2	200 пр			16.1					
		Vehic	le Properties				1							Air Quality E	mission Fact	ors and Calcu	lations		1		
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/ Model/	Model Year (motor)	HP ³	Miles /Dav	Tier⁴	Load Factor ⁵	Peak Operating Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG	Emissions ROG (lbs/day) ⁹	Exhaust Emissions Factor PM10 (g/bhp-hr) ⁷	Emissions PM10	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ⁷	Emissions CO (lbs/day) ⁹	Factor SO ₂	-
Dozer (not used for bulk exc.)	Crawler Tractors	Caterpillar D6T LGP	2015	165	24	3	0.43	- 8	7	2.32	2.90	0.09	0.11	0.112	0.14	0.346	0.43	3,479	4.35	0.005	0.01
Dozer	Crawler Tractors	Caterpillar D8T Diesel	2015	310	24	4 (Final)	0.43	8	7	0.26	0.61	0.05	0.12	0.009	0.02	0.195	0.46	2.845	6.69	0.005	0.01
Dozer (Stockpile Area)	Crawler Tractors	Caterpillar D6R Diesel	2015	140	12	3	0.43	4	7	2.32	1.23	0.09	0.05	0.112	0.06	0.346	0.18	3.479	1.85	0.005	0.00
Grader (not used for bulk excav.)	Graders	Caterpillar 140G Diesel	NA	150	0	3	0.41	0	7	2.32	0.00	0.09	0.00	0.112	0.00	0.447	0.00	3.958	0.00	0.005	0.00
Loader (Stockpile Area for Screening)	Rubber Tired Loaders	Caterpillar 938M Diesel	2015	190	56.8	3	0.36	8	7	2.32	2.80	0.09	0.11	0.088	0.11	0.169	0.20	1.480	1.79	0.005	0.01
Pad-Foot Compactor	Rollers	Caterpillar 826C Diesel	2015	341	27	4 (Final)	0.38	9	7	0.26	0.67	0.05	0.13	0.009	0.02	0.179	0.46	3.245	8.34	0.005	0.01
Smooth Drum Roller (NA)	Rollers	Caterpillar CS34 Diesel	2015	74	0	3	0.38	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.430	0.00	3.809	0.00	0.005	0.00
Backhoe (NA)	Tractors/Loaders/ Backhoes	Caterpillar 426C Diesel	2015	88	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.112	0.00	0.464	0.00	3.832	0.00	0.005	0.00
Excavator (2)	Excavators	John Deere 350 Diesel	2015	271	0	4 (Final)	0.38	18	7	0.26	1.06	0.05	0.20	0.009	0.04	0.096	0.39	1.317	5.38	0.005	0.02
Screening Plant (Stockpile Area)	Other Construction Equipment	Spyder 514TS Diesel	2015	74	0	3	0.42	9	7	2.74	1.69	0.09	0.06	0.192	0.12	0.471	0.29	3.916	2.41	0.005	0.00
Extended Loader (for liner)	Tractors/Loaders/ Backhoes	JCB 20TC	2015	74	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.390	0.00	3.832	0.00	0.005	0.00
Off-Road Dump/haul truck (3)	Off-Highway Trucks	Caterpillar 740 diesel	2015	453	191.7	4 (Final)	0.38	27	7	0.26	2.66	0.05	0.51	0.009	0.09	0.159	1.63	2.037	20.87	0.005	0.05
Totals											13.63		1.29		0.60		4.05		51.68		0.11

[|]Totals | 13.63 |
Note: Increased time for this analysis
For a typical construction project, it is assumed that highest emissions takes place during the bulk excavation phase - assuming site-specific excavation equipment consisting primarily of two scrapers and a dozer as listed above as Tier 4. Additional equipment listed is support

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Table O3.5 Off-Road Vehicles for Operations - Future - 2025	Assuming 2015 Model Year or Better for PM2.5, CO, and SO2	Assuming Tier 4 final for all equipment over 200 hp, unless already Tier 4

		Vehicle Properties						Operation	Properties					Emissi	on Factors an	d Calculation	ıs				
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	Model Year (motor)	HP ³	Miles Per Day	Tier ⁴	Load Factor ⁵	Peak Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp-hr) ⁷	Emissions ROG (lbs/day) ⁹	Emissions Factor PM10 (g/bhp-hr) ⁷	Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ¹¹		Emissions Factor SO ₂ (g/bhp-hr) ¹¹	
Dozer (Mainline)	Crawler Tractors	Caterpillar D6T LGP	2015	255	10	4 (Final)	0.43	8	7	0.260	0.50	0.050	0.10	0.009	0.02	0.195	0.38	2.845	5.50	0.005	0.01
Dozer (Mainline)	Crawler Tractors	Caterpillar D8T Diesel	2015	310	10	4 (Final)	0.43	8	7	0.260	0.61	0.050	0.12	0.009	0.02	0.195	0.46	2.845	6.69	0.005	0.01
Dozer (Support)	Crawler Tractors	Caterpillar D6R Diesel	2007	200	3	4 (Final)	0.43	2	7	0.260	0.10	0.050	0.02	0.009	0.00	0.218	0.08	1.816	0.69	0.005	0.00
Grader	Graders	Caterpillar 140G Diesel	NA	150	6	3	0.41	2	7	7.600	2.06	0.620	0.17	0.274	0.07	0.447	0.12	3.958	1.07	0.005	0.00
Loader	Rubber Tired Loaders	Caterpillar 938M Diesel	2015	182	5	3	0.36	2	7	12.090	3.49	1.310	0.38	0.605	0.17	0.169	0.05	1.700	0.49	0.005	0.00
Compactor	Rollers	Caterpillar 826K Diesel	2015	426	9	4 (Final)	0.38	8	7	0.260	0.74	0.050	0.14	0.009	0.03	0.179	0.51	3.245	9.27	0.005	0.01
Compactor	Rollers	Caterpillar 826K Diesel	2015	426	5	4 (Final)	0.38	4	7	0.260	0.37	0.050	0.07	0.009	0.01	0.179	0.26	3.245	4.63	0.005	0.01
Backhoe	Tractors/Loaders/Backhoes	Caterpillar 426C Diesel	2015	81.8	0	3	0.37	2	7	2.740	0.37	0.090	0.01	0.112	0.01	0.390	0.05	3.832	0.51	0.005	0.00
Excavator	Excavators	John Deere 350 Diesel	2015	283	0	4 (Final)	0.38	6	7	0.260	0.37	0.050	0.07	0.009	0.01	0.096	0.14	1.317	1.87	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2015	380	22	4 (Final)	0.38	8	7	0.260	0.66	0.050	0.13	0.009	0.02	0.159	0.40	2.037	5.19	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2015	380	11	4 (Final)	0.38	4	7	0.260	0.33	0.050	0.06	0.009	0.01	0.159	0.20	2.037	2.59	0.005	0.01
Truck Tipper	Other Construction Equipment	Columbia	2015	156	NA	3	0.42	8	7	2.320	2.68	0.090	0.10	0.112	0.13	0.105	0.12	1.813	2.09	0.005	0.01
Street Sweeper	Other Construction Equipment	Elgin 2019	2019	74	NA	4 (Final)	0.42	4	7	2.740	0.75	0.090	0.02	0.009	0.00	0.193	0.05	2.042	0.56	0.005	0.00
Totals											13.04		1.40		0.52		2.83		41.16		0.08

Table O3.6 Fugitive Dust - Paved Operations and Construction Support

				Paved Road Const. PM ₁₀		Paved Road
		PM ₁₀ Emissions Factor,		Emissions lb	PM _{2.5} Emissions	PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	lb per Day ³
In County Public / Self Haul	247	0.135	90%	3.33	0.007	0.17
In/County Commercial	44	0.134	90%	0.59	0.033	0.15
Out of County Commercial	108	0.178	90%	1.92	0.044	0.47
Operations/Support	48	0.135	90%	0.65	0.033	0.16
Current & Proposed				6.49		0.94

Table O3.7 Fugitive Dust - Graveled Operations & Construction

				Paved Road Const. PM ₁₀		Paved Road
		PM ₁₀ Emissions Factor,		Emissions lb	2.5	PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	lb per Day ³
In County Public / Self Haul	39	1.012	90%	3.99	0.101	0.40
In/County Commercial	7	0.134	90%	0.10	0.202	0.14
Out of County Commercial	17	2.290	90%	3.96	0.229	0.40
Construction/Operations Support	8	2.030	90%	1.55	0.203	0.16
Totals				9.59		1.09

Table O3.8 Fugitive Dust - Unpaved Operations

				Paved Road Const. PM ₁₀		Paved Road
		PM ₁₀ Emissions Factor,		Emissions	PM _{2.5} Emissions	PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	per Day ³
Construction Support	0	2.030	90%	0.00	0.262	0.00
Daily Cover Haul Truck	8	4.242	90%	3.55	0.424	0.35
Totals				3.55		0.35

Table O3.9 Fugitive Dust - Unpaved Construction

				Paved Road		
				Const. PM ₁₀		Paved Road
		PM ₁₀ Emissions Factor,		Emissions	PM _{2.5} Emissions	PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	per Day ³
Soil Haul Truck	134	4.242	95%	28.45	0.424	2.84
Totals				28.45		2.84

Table O3.10 Fugitive Dust - Waste Filling Pad (Operations)

				Paved Road Const. PM ₁₀		Paved Road
		PM ₁₀ Emissions Factor,		Emissions lb		PM _{2.5} Emissions
Construction Activity	VMT	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	lb per Day ³
Grader, Loader, Scraper	11	1.543	80%	3.37	0.227	0.50
Compacting Waste & Dozers	Hr	lb/hr			lb/hr	
Compactor/Dozer	12	0.753	75%	2.31	0.414	1.27
Unloading Daily Cover	Ton	lb/ton			lb/ton	
Daily Cover Unloading	1,069	0.0002	25%	0.19	0.000	0.03
Totals				5.88		1.80

Table O3.11 Fugitive Dust - Construction Area

				Paved Road		n .n .
				Const. PM ₁₀		Paved Road
		PM ₁₀ Emissions Factor,		Emissions lb	PM _{2.5} Emissions	PM _{2.5} Emissions
Construction Activity	VMT	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	per Day ³
Loader, grader, scraper	11	1.543	90%	1.69	0.227	0.25
Ripping/Compacting	Hr	lb/hr			lb/hr	
Dozer, Compactor, Grader	12	0.753	90%	0.90	0.414	0.50
Loading	Tons	lb/ton			lb/ton	
Daily Cover Unloading	10,020	0.0002	25%	1.80	0.000	0.27
Totals				4.39		1.02

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Table O3.12 Fugitive Dust - Stockpiling Area (including screening)

				Paved Road Const. PM ₁₀ Emissions		Paved Road PM _{2.5} Emissions
Construction Activity	Hr	Lb/Hr	Control Efficiency	per Day	Factor, Ib/VMT	per Day ³
Loader (to load screen)	6	1.543		9.26	0.227	1.36
Dozer, Compactor,	6	1.543	75%	2.31	0.414	0.62
Loading	Tons					
Screening	2,672	0.0002	75%	0.16	0.000	0.02
Unloading	10,020	0.0002	75%	0.60	0.000	0.09
Totals				12.33		2.10

- 1: Average trips from Table K1 x miles on paved or unpaved road
 2: Average trips from Table K2 x miles on paved or unpaved road
 3: Assuming (Ep truck x VMT truck) + (Ep car x VMT car)
 4: Assuming (Eup truck x VMT truck) + (Ep car x VMT car)
 5: Assumes regular watering during and/or dust suppressants during dry periods per AP-42 Section 13, Figure 13.2.2-2 Moisture Ratio of 4.25
 6: Assumes 10 delivery and employee trips per project at Proposed Project mileage
 7: Assumes 4,000 cy/dwg 62 Scy/trip = 160 trips and one mile round trip to stockpile
 8: Assuming (Eup Off-Road Dump x VMT truck) + (Eup Off-Road Car x VMT car)

Dust Emissions Factor Calculation

Paved Road Emission Factor Equation for On-Site Roads

$Ep = [k(sL)^0.91 (W)^1.02]x (1-P/4N)$

Equation (1) from USEPA, AP-42 Fifth Edition, 2011, Section 13.2.1

- Where: $Ep = \text{particulate matter factor (having units matching the units of K)} \\ k = \text{particule size multiplier for particle size range and units of interest from AP-42 Table 13.2.1-1} \\ sl = \text{road surface sitl loading } (g/m2) \\ W = \text{average weight (tons) of the vehicles traveling the road} \\ P = \text{number of wet days with at least 0.01 inch or precipitation during the averaging period} \\ N = \text{number of averaging days for period}$

When:	Out of County Units	Commercial Units	Self Haul	Operations
k _{2.5} =	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT
$k_{10} =$	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT
sL =	4.25 g/m2	4.25 g/m2	4.25 g/m2	4.25 g/m2
W =	27.00 tons	20.5 tons	4.4 tons	20.7 tons
On Site P =	1 days	1 days	1 days	1 days
On Site N =	1 days	1 days	1 days	1 days
Then:				
Ep2.5 =	0.044 lb/VMT	0.033 lb/VMT	0.007 lb/VMT	0.033 lb/VMT
Ep10 =	0.178 lb/VMT	0.134 lb/VMT	0.028 lb/VMT	0.135 lb/VMT

Gravel Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

- Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

 Where:

 Eup = size-specific emission factor (lb/VMT) for unpaved surface

 k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2

 s = surface material silt content (%)

 W = mean vehicle weight (1ons)

 a = industrial road constant from AP-42, Table 13.2.2-2

 b = industrial road constant from AP-42, Table 13.2.2-2

When:	Out of County Units	Commercial Units	Self Haul	Operations
$k_{2.5} =$	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT
$_{S} =$	6.4 %	6.4 %	6.4 %	6.4 %
W =	27.0 tons	20.5 tons	4.4 tons	20.7 tons
a =	0.9	0.9	0.9	0.9
b =	0.45	0.45	0.45	0.45
Then:				
Eup2.5 =	0.229 lb/VMT	0.202 lb/VMT	0.101 lb/VMT	0.203 lb/VMT
$E_{UP}10 =$	2.290 lb/VMT	2.023 lb/VMT	1.012 lb/VMT	2.030 lb/VMT

In-County

Unpaved Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2
Where:

Eup = size-specific emission factor (lh/VMT) for unpaved surface

k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2

s = surface material silt content (%)

W = mean vehicle weight (tons)

a = industrial road constant from AP-42, Table 13.2.2-2

b = industrial road constant from AP-42, Table 13.2.2-2

When: k_{2.5} = k₁₀ = Haul Truck Units 0.15 lb/VMT 1.5 lb/VMT Source
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-1 for industrial roads
Per AP-42 Table 13.2.2-1 for landfills, mean for construction site scraper routes
Table Q13
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-2 for industrial roads Operations Units 0.15 lb/VMT 1.5 lb/VMT 8.5 % 60.3 tons 0.9 0.45 Then: Eup2.5 = E_{UP}10 = 0.424 lb/VMT 0.262 lb/VMT

Source AP-42 Table 13.2.1-1 AP-42 Table 13.2.1-1 AP-42 Table 13.2.1-5 See Table Q12 below Assume surface low range of 1.1 on inbound leg and mean of 7.4 on outbound leg from 13.2.1.-3, average of:

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Source
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-1 for landfills, mean of graveled roads
Table 02
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-2 for industrial roads

Table O3.13 Vehicle Weight Assumptions (assumes full load in and empty out)

Category	Type	Percent	GVW, lb	NVW, lb	Average, lb	Av Tons
Small Vehicle (Public /Self Haul)	Ford F250 Gross Weight	NA	9,900	7,700	8,800	4.4
In County Commercial	Garbage Truck	NA	51,000	31,000	41,000	20.5
Out of County Commercial	Waste Transfer Truck	NA	75,000	33,000	54,000	27.0
Support Vehicles For Construction						
Average of:	Miles					
Ford Mechanic Truck (DSL)	2	5%	14,000	8,600	11,300	5.7
Ford F450 Flat Bed (DSL)	1	2%	14,000	8,600	11,300	5.7
Water Truck (DSL), 4,000 gal	32	76%	63,000	29500	46,250	23.1
Support Light Heavy Duty Trucks (2, DSL)	4	10%	14,000	8,600	11,300	5.7
Tractor Trailer Delivery (DSL)	1	2%	75,000	33,000	54,000	37.5
Carpool Vehicles (2, Gas)	2	5%	51,000	31,000	41,000	25.5
Total	42				Weighted Average	20.7
Off Road Dump	CAT 740	NA	162,399	78,632	120,516	60.3

GVW: Gross vehicle weight including load NVWL Net vehicle weight or :"curb weight" without load Source: US. EPA, Fifth Edition AP-42, Section 13.2.

Grading Equipment Passes Use for graders, loaders, rubber tired dozers, and scrapers to scrape or push soil

 $EF_{PM15} = 0.051 \text{ x (S)}^{2.0}$, and $EF_{PM10} = EF_{PM15} \text{ x } F_{PM10}$. Used for PM_{10}

EF_{TSP} - 0.4 x (S) $^{2.5}$, and EF $_{PM2.5}$ = EF_{TSP} x F_{PM2.5}, Used for PM_{2.5}

Source: CalEEMod 2020.4.0, Appendix A Page 8

Where:

EF = emissions factor (lb/VMT)			Typical grading areas	Acres per day
S = mean vehicle speed (mph)	AP-42 Default =	7.1	Crawler Tractors (Dozer)	0.5
$F_{PM2.5} = PM_{2.5}$ scaling factor.	AP-42 Default =	0.03	Graders	0.5
F _{PM10} = PM ₁₀ scaling factor.	AP-42 Default =	0.6	Rubber -Tired Dozers	0.5
			and the second s	

1.543 lb/VMT 0.227 lb/VMT $EF_{PM10} = EF_{PM2.5} =$

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Bulldozers Passes Use for compactors & tracked dozers

 $EF_D = k \times (0.0032) \times ((U/5)^{1.3} / (M/2)^{1.4})$

Truck Loading

```
From CalEEMod Appendix A and AP-42 Section 13.2.4

Where: 

EF = emissions factor (lb ton) 
k = Particle size multiplier

U = mean wind speed (mph) 
M = Material moisture content 

Per AP-42 defaults for Overburder

PM<sub>.10</sub> = 0.35 
PM<sub>.25</sub> = 0.053 

M = 7.90 
AP-42 Table 13.2.4-1 clay/dirt mix
```

Asphalt

While there is no specific screen associated with asphalt paving emissions, CalEEMod estimates VOC off-gassing emissions associated with asphalt paving of parking lots using the following equation: Source CalEEMod Users Manual, 2020, Page 18

$$\begin{split} E_{AP} = EF_{AP} \times A_{Purking} \\ Where: E = emissions (lb) \\ EF = emission factor (lb/acre). The SMAQMD default emission factor is 2.62 lb/acre.16 \\ A = area of the parking lot (acre) \\ E_{AP} = 9.17 lb. VOC /acre \\ Acres of New Pavement 3.5. A cres \\ Das of Construction = 2 \\ E_{AP} = 4.585 lb. VOC /day \end{split}$$

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John Smith Road Landfill

Attachment O4 - Scenario 2 West

Alternatives Assessment - Combination Construction & Operations

Table O4.1 - Summary Table - Scenario 2

Location	PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG, lb/day	NOx, lb day	CO, lb day	SO2, lb/day
Emissions from Paved Road	8.96	1.38	2.42	2.12	2.06	0.04
Emissions from Graveled Road	15.21	1.74	0.45	0.39	0.38	0.01
Emissions from Unpaved Road	5.95	0.72	0.68	0.60	0.58	0.01
Emissions from Soil Haul Path	17.68	1.77	0.70	3.66	16.63	0.02
Emissions from Waste Disposal Area	3.20	1.91	1.08	8.97	22.65	0.06
Emissions from Construction Area	4.70	1.02	0.63	5.62	18.90	0.06
Emissions from Stockpile	1.34	1.30	0.21	0.39	5.29	0.01
Flare or IC (peak) ¹	0.44	0.45	4.22	49.89	2.27	214.91
Peak LFG Fugitive Emissions	NA	NA	10.81	NA	NA	NA
Indirect (peak tonnage day, off site)App L	NA	NA	0.29	22.57	NA	NA
Entrance Queuing	0.00	0.00	0.10	1.05	1.45	0.00
Total	57.48	10.30	21.60	95.25	70.22	215.11
Baseline (2021)	80.80	14.35	19.88	63.73	66.46	42.79
Change from Baseline	-23.31	-4.06	1.72	31.51	3.76	172.32
MBARD Thresholds	82	82	137	137	550	150

- Notes:

 1: The values for ROG and CO from the flare represent the detection limit. The actual value will be lower.

 2: Described as VOC in CEQA Guidelines (Assume ROG is synonymous)

 3: Described as NO_X as NO₂ in CEQA Guidelines. Assume all NO_X is NO₂ for this analysis.

 4: Describes as SO_X as SO₂ in CEQA Guidelines. Assume all SO_X is SO₂ for this analysis.

Variables

v at tables							
Project Year	2030						
Waste Delivery Miles - Paved	4,080	0.77	Miles One	Way			4,84
Waste Delivery Miles - Graveled	760	0.14	Miles One	Way			
Construction Access - Unpaved	1,150	0.22	Miles One	Way In Addition	on to Waste I	Delivery	
Construction Soil Haul - Unpaved	920	0.17	Miles One	Way			
Construction Area		7.9	Acres				
Stockpile Area		8.7	Acres				
Waste Disposal Area		1	Acres	Assume 20	00 x 200 worl	king face	
Assumed Speeds							
Compactor Speed	3	mph					
Dozer Speed	3	mph					
Loader Speed	7.1	mph, AP-42 Default					
Grader Speed	7.1	mph, AP-42 Default					
Off-Road Haul Truck Speed	7.1	mph, AP-42 Default					
Excavator Speed	0	mph	mostly stat	ionary			
Backhoe Speed	0	mph	mostly stat	tionary			
Construction Excavation	6,000	cy					
Construction Excavation	10,020	tons @1.67 t/cy	239	Loads	41.68	Total Miles One way	
Daily Cover Excavation	320	cy (2000 tpd waste /0.	.75 x 0.12 cy soil/o	y waste			
Daily Cover Excavation	534	tons @1.67 t/cy	15	Loads =	2.60	Total Miles One way	

Waste Delivery On-Site Emissions - Assuming

See Footnotes on Attachment O1

ruction or Operations Peak Day

		Vehicle Properties																		Emission Fa	actors and C	Calculations												
On-Road Vehicles	Vehicle Category	Trips/Day	Trip Dist (both ways)	Total Miles Day	Paved Miles / Day (both ways	Graveled Miles/Day (both ways)	Miles/Day (both	Load Factor ⁵	RUNEX Emissions Factor NO	RUNEX Emissions NOx (lbs/day) ⁸	STREX Emissions NOx (g/trip	STREX Emissions Factor NOx (lb/day)	Factor ROG	Emissions	STREX Emissions Factor ROG (g/trip) ¹⁰	STREX Emissions ROG (lbs/day) ⁸	RUNLOSS Emissions Factor ROG (g/trip) ¹⁰	Emissions		PM10	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions PM10	Factor PM10	Emissions PM10	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5	Factor PM2.5	Tire Wear	Emissions Factor	Emissions PM2.5	Factor CO	CO	Emissions Factor SOx (g/mile) ¹⁰	
ord Mechanic Truck (DSL)	LHD1	2	4.5	4.5	3.1	0.6	0.9	1	1.79	0.0	0.00	0.000	1.69E-01	0.002	0.00	0.000	0.00	0.000	2.54E-02	0.000	1.20E-02	0.000	7.64E-02	0.001	2.43E-02	0.000	0.003	0.000	0.033	0.000	8.28E-01	0.008	4.96E-03	5E-03
ord F450 Flat Bed (DSL)	LHD2	1	2.3	2.3	1.5	0.3	0.4	1	1.30	0.0	0.00	0.000	1.56E-01	0.001	0.00	0.000	0.00	0.000	2.65E-02	0.000	1.20E-02	0.000	8.92E-02	0.000	2.54E-02	0.000	0.003	0.038	0.038	0.000	7.72E-01	0.004	5.54E-03	3E-05
/ater Truck (DSL) ¹	T6 CAIRP heavy	32	72.6	72.6	49.5	9.2	13.9	1	2.86	0.5	0.00	0.000	1.02E-02	0.002	0.00	0.000	0.00	0.000	1.79E-02	0.003	1.20E-02	0.002	1.30E-01	0.021	1.71E-02	0.003	0.003	0.000	0.001	0.000	8.47E-02	0.014	9.01E-03	1E-03
upport Light Heavy Duty Trucks (2, DSL)	LHD1	4	9.1	9.1	6.2	1.2	1.7	1	1.79	0.0	0.00	0.000	1.69E-01	0.002	0.00	0.000	0.00	0.000	2.54E-02	0.001	1.20E-02	0.000	7.64E-02	0.002	2.43E-02	0.000	0.003	0.000	3.28E-02	0.001	8.28E-01	0.017	4.96E-03	1E-04
ractor Trailer Delivery (DSL)	T7 CAIRP	1	2.3	2.3	1.5	0.3	0.4	1	2.12	0.0	0.00	0.000	2.02E-02	0.000	0.00	0.000	0.00	0.000	2.86E-02	0.000	3.60E-02	0.000	6.17E-02	0.000	2.74E-02	0.000	0.009	0.000	0.026	0.000	1.88E-01	0.001	1.02E-02	5E-05
arpool Vehicles (2, Gas)	LDT1	2	4.5	4.5	3.1	0.6	0.9	1	0.03	0.0	0.17	0.001	7.13E-01	0.007	0.21	0.001	0.46	0.002	1.08E-03	0.000	8.00E-03	0.000	3.68E-02	0.000	9.97E-04	0.000	0.002	0.000	0.016	0.000	5.01E-01	0.005	2.52E-03	3E-05
otals				95	64.9	12	18			0.529		0.001		0.013		0.001		0.002		0.004		0.003		0.024		0.004		0.039		0.002		0.048		0.007
rorated by Mile										5.55E-03		8.06E-06		1.37E-04		9,78E-06		2.13E-05		4.10E-05		2.73E-05		2.55E-04		3.93E-05		4.08E-04		1.66E-05		5.06E-04		7.40E-0

Notes: Assume 2 start per day.

Attachment O4
Lawrence & Associates JSRL DEIR Appendix B 1 of 4

Table O4.3 - On-Road Waste Delivery On-Site Vehicles Proposed Project Peak Tonnage Day

Assuming 2030 Emissions Year Miles On Site

		Site Properties																		Emission F	actors and C	Calculations												
On-Road Vehicles	Vehicle Category	Trips / Day (Peak Tonnage) from Att K			/ Miles on Paved Road		Unpaved Miles/Day (both ways)		RUNEX Emissions Factor NOx (g/mile) ¹⁰	RUNEX Emissions NOx (lbs/day) ⁸	STREX Emissions NOx (g/trip)	Factor NOx	Factor ROG	ROG	STREX Emissions Factor ROG (g/trip) ¹⁰	STREX Emissions ROG (lbs/day) ⁸	RUNLOSS Emissions Factor ROG (g/trip) ¹⁰	Emissions	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Exhaust Emissions PM10 (lbs/day) ⁸	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Tire Wear Emissions PM10 (lbs/day) ⁸		Emissions PM10	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5 (lbs/day) ⁸	Factor PM2.5	Tire Wear	Emissions Factor	Brake Emissions PM2.5 (lbs/day) ⁸	Factor CO		Factor SOx	
n-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD-1 - Gas)	217	398	492	335	62	95	1	0.163	0.143	0.47	0.415	0.027	0.024	0.10	0.091	1.22	1.068	0.002	0.002	0.008	0.007	0.076	0.067	0.002	0.002	0.002	0.002	0.033	0.029	0.524	0.460	0.009	0.008
n-County Commercial Diesel	T7-SWCV (Dsl)	29	53	65	45	8	13	1	0.464	0.054	5.53	0.645	0.024	0.003	0.00	0.000	0.00	0.000	0.018	0.002	0.036	0.004	0.062	0.007	0.017	0.002	0.009	0.001	0.026	0.003	0.066	0.008	0.028	0.003
n County Commercial CNG	T7-SWCV (NG)	10	19	23	16	3	4	1	0.313	0.013	0.00	0.000	0.043	0.002	0.00	0.000	0.00	0.000	0.003	0.000	0.036	0.001	0.062	0.003	0.003	0.000	0.009	0.000	0.026	0.001	11.219	0.460	0.000	0.000
Out of County Commercial 2	Heavy-Heavy Duty Trucks (T CAIRP - Dsl)	95	174	216	147	27	41	1	2.120	0.814	2.23	0.857	0.024	0.009	0.00	0.000	0.00	0.000	0.029	0.011	0.036	0.014	0.027	0.011	0.009	0.003	0.009	0.003	0.026	0.010	0.188	0.072	0.010	0.004
TOTALS		351		796	542	101.045455	153			1.024				0.038		0.091		1.068		0.015		0.027		0.087		0.007		0.007		0.043		0.999		0.015
rorated by Mile	_									1.29E-03		0.00E+00		6,95E-05		1.68E-04	<u> </u>	1.97E-03		2.81E-05		4.89E-05		1.61E-04		1,37E-05		1.22E-05		7.94E-05		1.84E-03		2.79E-05

Table O4.4 - Emissions from Off-Road Vehicles for Construction Peak Day

Assuming 2025 Model Year or Better for PM2.5, CO, and SO2

Assuming Tier 4 final for all equipment over 200 hp

		Vehicle Properti	es											Air Quality	/ Emission F	actors and Cal	culations				
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/ Model/ Fuel ²	Model Year (motor)	HP ³	Miles /Day	Tier ⁴	Load Factor ⁵	Peak Operating Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp-hr) ⁷	Emissions ROG (lbs/day) ⁹	Exhaust Emissions Factor PM10 (g/bhp-hr) ⁷	Exhaust Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ⁷	Emissions CO (lbs/day) ⁹	Emissions Factor SO ₂ (g/bhp-hr) ⁷	
Dozer (not used for bulk exc.)	Crawler Tractors	Caterpillar D6T LGP	2025	165	24	3	0.43	8	7	2.32	2.90	0.09	0.11	0.112	0.14	0.138	0.17	3.209	4.02	0.005	0.01
Dozer	Crawler Tractors	Caterpillar D8T Diesel	2025	310	24	4 (Final)	0.43	8	7	0.26	0.61	0.05	0.12	0.009	0.02	0.074	0.17	1.717	4.04	0.005	0.01
Dozer (Stockpile Area)	Crawler Tractors	Caterpillar D6R Diesel	2025	140	12	3	0.43	4	7	2.32	1.23	0.09	0.05	0.112	0.06	0.138	0.07	3.209	1.70	0.005	0.00
Grader (not used for bulk excav.)	Graders	Caterpillar 140G Diesel	2025	150	0	3	0.41	0	7	2.32	0.00	0.09	0.00	0.112	0.00	0.140	0.00	3.418	0.00	0.005	0.00
Loader (Stockpile Area for Screening)	Rubber Tired Loaders	Caterpillar 938M Diesel	2025	190	56.8	3	0.36	8	7	2.32	2.80	0.09	0.11	0.088	0.11	0.045	0.05	1.142	1.38	0.005	0.01
Pad-Foot Compactor	Rollers	Caterpillar 826C Diesel	2025	341	27	4 (Final)	0.38	9	7	0.26	0.67	0.05	0.13	0.009	0.02	0.083	0.21	1.968	5.06	0.005	0.01
Smooth Drum Roller (NA)	Rollers	Caterpillar CS34 Diesel	2025	74	0	3	0.38	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.125	0.00	3.444	0.00	0.005	0.00
Backhoe (NA)	Tractors/Loaders/ Backhoes	Caterpillar 426C Diesel	2025	88	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.112	0.00	0.079	0.00	3.522	0.00	0.005	0.00
Excavator (2)	Excavators	John Deere 350 Diesel	2025	271	0	4 (Final)	0.38	18	7	0.26	1.06	0.05	0.20	0.009	0.04	0.024	0.10	1.051	4.29	0.005	0.02
Screening Plant (Stockpile Area)	Other Construction Equipment	t Spyder 514TS Diesel	2025	74	0	3	0.42	9	7	2.74	1.69	0.09	0.06	0.192	0.12	0.187	0.12	3.584	2.21	0.005	0.00
Extended Loader (for liner)	Tractors/Loaders/ Backhoes	JCB 20TC	2025	74	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.079	0.00	3.522	0.00	0.005	0.00
Off-Road Dump/haul truck (3)	Off-Highway Trucks	Caterpillar 740 diesel	2025	453	191.7	4 (Final)	0.38	27	7	0.26	2.66	0.05	0.51	0.009	0.09	0.035	0.36	1.182	12.11	0.005	0.05
Totals	•	•				•	•	•	•		13.63		1.29		0.60		1.26		34.81		0.11

Table O4.5 Off-Road Vehicles for Operations - Future - 2030

Assuming 2025 Model Year or Better for PM2.5, CO, and SO2

	V	chicle Properties						Operation	Properties					Emis	sion Factors	and Calculatio	ons				
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	Model Year (motor)	HP ³	Miles Per Day	Tier ⁴	Load Factor ⁵	Peak Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp-hr) ⁷	Emissions ROG (lbs/day) ⁹	Factor PM10	Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ¹¹	Emissions CO (lbs/day) ⁹	Emissions Factor SO ₂ (g/bhp-hr) ¹¹	Emissions SO ₂ (lbs/day) ⁹
Dozer (Mainline)	Crawler Tractors	Caterpillar D6T LGP	2025	255	10	4 (Final)	0.43	8	7	0.260	0.50	0.050	0.10	0.009	0.02	0.074	0.14	1.717	3.32	0.005	0.01
Dozer (Mainline)	Crawler Tractors	Caterpillar D8T Diesel	2025	310	10	4 (Final)	0.43	8	7	0.260	0.61	0.050	0.12	0.009	0.02	0.074	0.17	1.717	4.04	0.005	0.01
Dozer (Support)	Crawler Tractors	Caterpillar D6R Diesel	2025	200	3	4 (Final)	0.43	2	7	0.260	0.10	0.050	0.02	0.009	0.00	0.088	0.03	1.308	0.50	0.005	0.00
Grader	Graders	Caterpillar 140G Diesel	2025	150	6	4 (Final)	0.41	2	7	7.600	2.06	0.620	0.17	0.274	0.07	0.140	0.04	3.418	0.93	0.005	0.00
Loader	Rubber Tired Loaders	Caterpillar 938M Diesel	2025	182	5	4 (Final)	0.36	2	7	12.090	3.49	1.310	0.38	0.605	0.17	0.104	0.03	1.269	0.37	0.005	0.00
Compactor	Rollers	Caterpillar 826K Diesel	2025	426	9	4 (Final)	0.38	8	7	0.260	0.74	0.050	0.14	0.009	0.03	0.083	0.24	1.968	5.62	0.005	0.01
Compactor	Rollers	Caterpillar 826K Diesel	2025	426	5	4 (Final)	0.38	4	7	0.260	0.37	0.050	0.07	0.009	0.01	0.083	0.12	1.968	2.81	0.005	0.01
Backhoe	Tractors/Loaders/Backhoes	Caterpillar 426C Diesel	2025	81.8	0	4 (Final)	0.37	2	7	0.260	0.03	0.050	0.01	0.009	0.00	0.079	0.01	3.522	0.47	0.005	0.00
Excavator	Excavators	John Deere 350 Diesel	2025	283	0	4 (Final)	0.38	6	7	0.260	0.37	0.050	0.07	0.009	0.01	0.024	0.03	1.051	1.49	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2025	380	22	4 (Final)	0.38	8	7	0.260	0.66	0.050	0.13	0.009	0.02	0.035	0.09	1.182	3.01	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2025	380	11	4 (Final)	0.38	4	7	0.260	0.33	0.050	0.06	0.009	0.01	0.035	0.04	1.182	1.51	0.005	0.01
Truck Tipper	Other Construction Equipmen	t Columbia	2025	156	NA	4 (Final)	0.42	8	7	0.260	0.30	0.050	0.06	0.009	0.01	0.103	0.12	3.136	3.62	0.005	0.01
Street Sweeper	Other Construction Equipmen	Elgin 2019	2025	74	NA	4 (Final)	0.42	4	7	2.740	0.75	0.090	0.02	0.009	0.00	0.187	0.05	3.584	0.98	0.005	0.00
Totals	•	•					•	•	•		10.33		1.35		0.39		1.12		28,66		0.08

Table O4.6 Fugitive Dust - Paved Operations and Construction Support

Construction Astricts	David Distance Book Wasse	PM ₁₀ Emissions Factor,	Control Efficiency	Paved Road Const. PM ₁₀ Emissions lb per Dav ³	Emissions	Paved Road PM _{2.5} Emissions lb
Construction Activity	Road Distance Both Ways			1		per Day
In County Public / Self Haul	335	0.135	90%	4.53	0.007	0.23
In/County Commercial	60	0.134	90%	0.81	0.033	0.20
Out of County Commercial	147	0.178	90%	2.61	0.044	0.64
Operations/Support	65	0.135	90%	0.88	0.033	0.22
Current & Proposed				8.83		1.28

Table O4.7 Fugitive Dust - Graveled Operations & Construction

Construction Activity	Road Distance Both Ways	PM ₁₀ Emissions Factor, lb/VMT	Control Efficiency	Paved Road Const. PM ₁₀ Emissions lb per Day ³	Emissions	Paved Road PM _{2.5} Emissions lb per Day ³
In County Public / Self Haul	62	1.012	90%	6.32	0.101	0.63
In/County Commercial	11	0.134	90%	0.15	0.202	0.23
Out of County Commercial	27	2.290	90%	6.26	0.229	0.63
Construction/Operations Support	12	2.030	90%	2.45	0.203	0.25
Totals				15.19		1.73

Note: Increased time for this analysis

For a typical construction project, it is assumed that highest emissions takes place during the bulk excavation phase - assuming site-specific excavation equipment consisting primarily of two scrapers and a dozer as listed above as Tier 4. Additional equipment

Table O4.8 Fugitive Dust - Unpaved Operations

rubic o no rugitive buse empareu oper						
		PM_{10} Emissions Factor,	Control	Paved Road Const. PM ₁₀ Emissions	PM _{2.5} Emissions Factor,	Paved Road PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Efficiency	per Day ³	lb/VMT	per Day ³
Construction Support	18	2.030	90%	3.71	0.262	0.48
Daily Cover Haul Truck	5	4.242	90%	2.21	0.424	0.22
Totals				5.92		0.70

Table O4.9 Fugitive Dust - Unpaved Construction

Construction Activity	Road Distance Both Ways	PM ₁₀ Emissions Factor,		Paved Road Const. PM ₁₀ Emissions per Day ³	1 1412.5	Paved Road PM _{2.5} Emissions per Day ³
Soil Haul Truck	83	4,242	95%	17.68	0.424	1.77
Totals				17.68		1.77

Table O4.10 Fugitive Dust - Waste Filling Pad (Operations)

Construction Activity	VMT	PM ₁₀ Emissions Factor,	Control Efficiency	Paved Road Const. PM ₁₀ Emissions lb per Day ³		Paved Road PM _{2.5} Emissions lb per Day ³
Grader, Loader, Scraper	11	1.543	90%	1.69	0.227	0.25
Compacting Waste & Dozers	Hr	lb/hr			lb/hr	
Compactor/Dozer	12	0.753	90%	0.93	0.414	0.51
Unloading Daily Cover	Ton	lb/ton			lb/ton	
Daily Cover Unloading	1,069	0.0002	25%	0.19	0.000	0.03
Totals				2.80		0.79

Table O4.11 Fugitive Dust - Construction Area

Construction Activity	VMT	PM ₁₀ Emissions Factor,	Control Efficiency	Paved Road Const. PM ₁₀ Emissions lb per Day ³	Emissions	Paved Road PM _{2.5} Emissions per Day ³
Loader, grader, scraper	11	1.543	90%	1.69	0.227	0.25
Ripping/Compacting	Hr	lb/hr	7070	1.07	lb/hr	0.23
Dozer, Compactor, Grader	12	0.753	90%	0.90	0.414	0.50
Loading	Tons	lb/ton			lb/ton	
Daily Cover Unloading	10,020	0.0002	25%	1.80	0.000	0.27
Totals				4.39		1.02

Table O4.12 Fugitive Dust - Stockpiling Area (including screening)

			Control	Paved Road Const. PM ₁₀ Emissions		Paved Road PM _{2.5} Emissions
Construction Activity	Hr	Lb/Hr	Efficiency	per Day ³	lb/VMT	per Day ³
Loader (to load screen)	6	1.543	75%	2.31	0.227	0.34
Dozer, Compactor,	6	1.543	75%	2.31	0.414	0.62
Loading	Tons					
Screening	887	0.0002	75%	0.05	0.000	0.01
Unloading	10,020	0.0002	75%	0.60	0.000	0.09
Totals				5.28		1.06

- 1: Average trips from Table K1 x miles on paved or unpaved road
 2: Average trips from Table K2 x miles on paved or unpaved road
 3: Assuming (Ep truck x VMT truck) + (Ep car x VMT car)
 4: Assuming (Ep truck x VMT truck) + (Ep car x VMT car)
 5: Assumes regular watering during and/or dust suppressants during dry periods per AP-42 Section 13, Figure 13.2.2-2 Moisture Ratio of 4.25
 6: Assumes 10 delivery and employee trips per project at Proposed Project mileage
 7: Assumes 4,000 cy/day 2.5 cytrip = 100 trips and one mile round trip to stockpile
 8: Assuming (Eup Off-Road Dump x VMT truck) + (Eup Off-Road Car x VMT car)

Dust Emissions Factor Calculation

Paved Road Emission Factor Equation for On-Site Roads

 $Ep = [k(sL)^0.91 (W)^1.02] \times (1-P/4N)$

Equation (1) from USEPA, AP-42 Fifth Edition, 2011, Section 13.2.1

- Where:

 Ep = particulate matter factor (having units matching the units of K)

 k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.1-1

 sl. = road surface silt loading (g/m2)

 W = average weight (tons) of the vehicles traveling the road

 P = number of wet days with at least 0.01 inch or precipitation during the averaging period

 N = number of averaging days for period

		In-County		
When:	Out of County Units	Commercial Units	Self Haul	Operations
k _{2.5} =	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT
$k_{10} =$	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT
sL =	4.25 g/m2	4.25 g/m2	4.25 g/m2	4.25 g/m2
W =	27.00 tons	20.5 tons	4.4 tons	20.7 tons
On Site P =	1 days	1 days	1 days	1 days
On Site N =	1 days	1 days	1 days	1 days
Then:				
Ep2.5 =	0.044 lb/VMT	0.033 lb/VMT	0.007 lb/VMT	0.033 lb/VMT
Ep10 =	0.178 lb/VMT	0.134 lb/VMT	0.028 lb/VMT	0.135 lb/VMT

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Source AP-42 Table 13.2.1-1 AP-42 Table 13.2.1-1 AP-42 Table 13.2.1-5 Assume st See Table Q12 below days Assume watered surface days Assume watered surface Assume surface low range of 1.1 on onbound leg and mean of 7.4 on outbound leg from 13.2.1.-3, average of: 4.25

Gravel Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

Where:

Eup = size-specific emission factor (lb/VMT) for unpaved surface

k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2

s = surface material silt content (%)

W = mean vehicle weight (tons)

a = industrial road constant from AP-42, Table 13.2.2-2

b = industrial road constant from AP-42, Table 13.2.2-2

		In-County		
When:	Out of County Units	Commercial Units	Self Haul	Operations
$k_{2.5} =$	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT
$_{\mathbf{S}}=$	6.4 %	6.4 %	6.4 %	6.4 %
W =	27.0 tons	20.5 tons	4.4 tons	20.7 tons
a =	0.9	0.9	0.9	0.9
b =	0.45	0.45	0.45	0.45
Then:				
Eup2.5 =	0.229 lb/VMT	0.202 lb/VMT	0.101 lb/VMT	0.203 lb/VMT
$E_{UP}10 =$	2.290 lb/VMT	2.023 lb/VMT	1.012 lb/VMT	2.030 lb/VMT

Unpaved Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

Equ	uation (1a) from USEPA, AP-42 Fifth Edition, 2006, S	Section 13.2.2	
Where:			
Eup = size	e-specific emission factor (lb/VMT) for unpaved surfa	ce	
k = par	ticle size multiplier for particle size range and units of	interest from AP-42 Table 13.	2.2-2
s = sur	face material silt content (%)		
W = mea	an vehicle weight (tons)		
a = ind	ustrial road constant from AP-42, Table 13.2.2-2		
b = ind	ustrial road constant from AP-42, Table 13.2.2-2		
When:	Haul Truck Units	Operations Units	Source
$k_{2.5} =$	0.15 lb/VMT	0.15 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
$_{S} =$	8.5 %	8.5 %	Per AP-42 Table 13.2.2-1 for landfills, mean for construction site scraper routes
W =	60.3 tons	20.7 tons	Table Q13
a =	0.9	0.9	Per AP-42 Table 13.2.2-2 for industrial roads
b =	0.45	0.45	Per AP-42 Table 13.2.2-2 for industrial roads
Then:			
Eup2.5 =	0.424 lb/VMT	0.262 lb/VMT	
$E_{UP}10 =$	4.242 lb/VMT	2.621 lb/VMT	

Table O4.13 Vehicle Weight Assumptions (assumes full load in and empty out)

Category	Type	Percent	GVW, lb	NVW, lb	Average, lb	Av Tons
Small Vehicle (Public /Self Haul)	Ford F250 Gross Weight	NA	9,900	7,700	8,800	4.4
In County Commercial	Garbage Truck	NA	51,000	31,000	41,000	20.5
Out of County Commercial	Waste Transfer Truck	NA	75,000	33,000	54,000	27.0
Support Vehicles For Construction						
Average of:	Miles					
Ford Mechanic Truck (DSL)	2	5%	14,000	8,600	11,300	5.7
Ford F450 Flat Bed (DSL)	1	2%	14,000	8,600	11,300	5.7
Water Truck (DSL), 4,000 gal	32	76%	63,000	29500	46,250	23.1
Support Light Heavy Duty Trucks (2, DSL)	4	10%	14,000	8,600	11,300	5.7
Tractor Trailer Delivery (DSL)	1	2%	75,000	33,000	54,000	37.5
Carpool Vehicles (2, Gas)	2	5%	51,000	31,000	41,000	25.5
Total	42				Weighted Av	20.7
Off Road Dump	CAT 740	NA	162,399	78,632	120,516	60.3

GVW: Gross vehicle weight including load NVWL Net vehicle weight or :"curb weight" without load Source: US. EPA, Fifth Edition AP-42, Section 13.2.

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Source
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-1 for industrial roads
Per AP-42 Table 13.2.2-1 for landfills, mean of graveled roads
Table 02
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-2 for industrial roads

John Smith Road Landfill Attachment Q - Scenario 3 - North

Use This Version - Enter Indirect Manually

Alternatives Assessment

Table O5.1- Summary Table - Scenario 3

PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG, lb/day	NOx, lb day	CO, lb day	SO2, lb/day
16.73	2.67	2.04	2.19	1.74	0.03
10.51	1.21	0.14	0.15	0.12	0.00
6.31	0.70	0.14	0.15	0.12	0.00
35.79	3.58	0.70	3.66	16.63	0.02
3.20	1.91	1.08	8.97	22.65	0.06
4.70	1.02	0.63	5.62	18.90	0.06
1.34	1.30	0.21	0.39	5.29	0.01
0.44	0.45	4.22	49.89	2.27	214.91
NA	NA	10.81	NA	NA	NA
NA	NA	0.29	22.57	NA	NA
0.00	0.00	0.10	1.05	1.45	0.00
79.03	12.84	20.38	94.63	69.18	215.09
80.80	14.35	19.88	63.73	66.46	42.79
-1.77	-1.52	0.49	30.90	2.72	172.29
82	82	137	137	550	150
	16.73 10.51 6.31 35.79 3.20 4.70 1.34 0.44 NA NA 0.00 79.03 80.80 -1.77	16.73 2.67 10.51 1.21 6.31 0.70 35.79 3.58 3.20 1.91 4.70 1.02 1.34 1.30 0.44 0.45 NA NA NA NA NA NA NA 0.00 0.00 79.03 12.84 80.80 14.35 -1.77 -1.52	16.73 2.67 2.04 10.51 1.21 0.14 6.31 0.70 0.14 35.79 3.58 0.70 3.20 1.91 1.08 4.70 1.02 0.63 1.34 1.30 0.21 0.44 0.45 4.22 NA NA 10.81 NA NA 0.29 0.00 0.00 0.10 79.03 12.84 20.38 80.80 14.35 19.88 6.80 14.35 19.88	16.73 2.67 2.04 2.19 10.51 1.21 0.14 0.15 6.31 0.70 0.14 0.15 35.79 3.58 0.70 3.66 3.20 1.91 1.08 8.97 4.70 1.02 0.63 5.62 1.34 1.30 0.21 0.39 0.44 0.45 4.22 49.89 NA NA 10.81 NA NA 0.29 22.57 0.00 0.00 0.10 1.05 79.03 12.84 20.38 94.63 80.80 14.35 19.88 63.73 -1.77 -1.52 0.49 30.90	16.73 2.67 2.04 2.19 1.74 10.51 1.21 0.14 0.15 0.12 6.31 0.70 0.14 0.15 0.12 35.79 3.58 0.70 3.66 16.63 3.20 1.91 1.08 8.97 22.65 4.70 1.02 0.63 5.62 18.90 1.34 1.30 0.21 0.39 5.29 0.44 0.45 4.22 49.89 2.27 NA NA 10.81 NA NA NA NA 0.29 22.57 NA 0.00 0.00 0.10 1.05 1.45 79.03 12.84 20.38 94.63 69.18 80.80 14.35 19.88 63.73 66.46 -1.77 -1.52 0.49 30.90 2.72

- Notes:

 1: The values for ROG and CO from the flare represent the detection limit. The actual value will be lower.

 2: Described as VOC in CEQA Guidelines (Assume ROG is synonymous)

 3: Described as NO₂ as NO₂ in CEQA Guidelines. Assume all NO₂ is NO₂ for this analysis.

 4: Describes as SO₂ as SQ₂ in CEQA Guidelines. Assume all SO₂ is SO₂ for this analysis.

Variables

v ar rables							
Project Year	2040						
Waste Delivery Miles - Paved	7,630	1.45	Miles One	e Way			8,15
Waste Delivery Miles - Graveled	525	0.10	Miles One	e Way			
Construction Access - Unpaved	540	0.10	Miles One	Way In Addition	to Waste Deliv	rery	
Construction Soil Haul - Unpaved	1,900	0.36	Miles One	e Way			
Construction Area		7.3	Acres				
Stockpile Area		7.2	Acres				
Waste Disposal Area		1	Acres	Assume 20	0 x 200 working	g face	
Assumed Speeds							
Compactor Speed	3	mph					
Dozer Speed	3	mph					
Loader Speed	7.1	mph, AP-42 Defau	lt				
Grader Speed	7.1	mph, AP-42 Defau	lt				
Off-Road Haul Truck Speed	7.1	mph, AP-42 Defau	lt				
Excavator Speed	0	mph	mostly sta	itionary			
Backhoe Speed	0	mph	mostly sta	tionary			
Construction Excavation	6,000	cy					
Construction Excavation	10.020	tons @1.67 t/cy	239	Loads	86.08	Total Miles One way	
Daily Cover Excavation	320	cv (2000 tnd waste	/0.75 x 0.12	cv soil/cv waste			

tons @1.67 t/cy 15

Waste Delivery On-Site Emissions - Assuming

Daily Cover Excavation

		Vehicle	Properties																	Emissi	on Factors an	d Calculatio	ns											
On-Road Vehicles	Vehicle Category	Trips/Day	Trip Dist	Total Miles /	Paved Miles / Day (both ways)	Miles/Day	Unpaved Miles/Day	Load Factor ⁵	Factor NOx		Emissions	Factor NOx	Emissions Factor ROG	RUNEX Emissions ROG (lbs/day) ⁸	STREX Emissions Factor ROG (g/trip) ¹⁰	Emissions ROG	Factor ROG	Emissions ROG		Emissions PM10	Factor PM10		Factor PM10	Emissions PM10	Factor PM2.5		Factor PM2.5		Factor PM2.5	Brake Emissions	Factor CO		Factor SOx	
ord Mechanic Truck (DSL)	LHD1	2	6.6	6.6	5.8	0.4	0.4	Load Pactor	1.79	0.0	0.00	0.000	1.69E-01	0.002	0.00	0.000	0.00	0.000	2.54E-02	0.000	1.20E-02	0.000	7.64E-02	0.001	2.43E-02	0.000	0.003	0.000	0.033	0.000	8.28E-01	0.012	4.96E-03	5E-4
ord F450 Flat Bed (DSL)	LHD2	1	3.3	3.3	2.9	0.2	0.2	1	1.30	0.0	0.00	0.000	1.56E-01	0.001	0.00	0.000	0.00	0.000	2.65E-02	0.000	1.20E-02	0.000	8.92E-02	0.001	2.54E-02	0.000	0.003	0.038	0.038	0.000	7.72E-01	0.006	5.54E-03	4E-0
Vater Truck (DSL) ¹	T6 CAIRP heavy	32	105.4	105.4	92.5	6.4	6.5	1	2.86	0.7	0.00	0.000	1.02E-02	0.002	0.00	0.000	0.00	0.000	1.79E-02	0.004	1.20E-02	0.003	1.30E-01	0.030	1.71E-02	0.004	0.003	0.001	0.001	0.000	8.47E-02	0.020	9.01E-03	2E-0
Support Light Heavy Duty Trucks (2, DSL)	LHD1	4	13.2	13.2	11.6	0.8	0.8	1	1.79	0.1	0.00	0.000	1.69E-01	0.002	0.00	0.000	0.00	0.000	2.54E-02	0.001	1.20E-02	0.000	7.64E-02	0.002	2.43E-02	0.001	0.003	0.000	3.28E-02	0.001	8.28E-01	0.024	4.96E-03	1E-0
ractor Trailer Delivery (DSL)	T7 CAIRP	1	3.3	3.3	2.9	0.2	0.2	1	2.12	0.0	0.00	0.000	2.02E-02	0.000	0.00	0.000	0.00	0.000	2.86E-02	0.000	3.60E-02	0.000	6.17E-02	0.000	2.74E-02	0.000	0.009	0.000	0.026	0.000	1.88E-01	0.001	1.02E-02	7E-05
Carpool Vehicles (2, Gas)	LDT1	2	6.6	6.6	5.8	0.4	0.4	1	0.03	0.0	0.17	0.001	7.13E-01	0.010	0.21	0.001	0.46	0.002	1.08E-03	0.000	8.00E-03	0.000	3.68E-02	0.001	9.97E-04	0.000	0.002	0.000	0.016	0.000	5.01E-01	0.007	2.52E-03	4E-0
otals				138	121.4	8	9			0.767		0.001		0.019		0.001		0.002		0.006		0.004		0.035		0.005		0.039		0.002		0.070		0.008
Prorated by Mile										5.55E-03		5.56E-06		1.37E-04		6.74E-06		1.47E-05		4.10E-05		2.73E-05		2.55E-04		3.93E-05		2.83E-04		1.66E-05		5.06E-04		5.64E-

Note: The values for STREX, HTSK, REST, DIURN, RUNL were all zero in the EMFAC2017 output and were not analyzed. Notes: Assume 2 start per day.

Loads = 5.37

Total Miles One way

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See Footnotes on Attachment O1

Table O5.3 - On-Road Waste Deliver	ry On-Site Vehicles P	roposed Project P	eak Tonnage	Day				Assuming 2030	Emissions Ye	ear	Miles On Site																							
		Site Pr	operties																	Emissio	on Factors an	d Calculatio	ns											
On-Road Vehicles	Vehicle Category	Trips / Day (Peak Tonnage) from Att		Total Miles /		Miles on I Gravel Road	Unpaved Miles/Day (both ways)	Load Factor ⁵	RUNEX Emissions Factor NOs (g/mile) ¹⁰		STREX Emissions NOx (g/trip)	STREX Emissions Factor NOx (lb/day)	RUNEX Emissions Factor ROG (g/mile) ¹⁰	Emissions	STREX Emissions Factor ROG (g/trip) ¹⁰	STREX Emissions ROG (lbs/day) ⁸	RUNLOSS Emissions Factor ROG (g/trip) ¹⁰	Emissions ROG	Factor PM10		Tire Wear Emissions Factor PM10 (g/mile) ¹⁰		Factor PM10	Brake Wear Emissions PM10 (lbs/day) ⁸	Factor PM2.5	Exhaust Emissions PM2.5	PM2.5		Factor PM2.5	Brake Emissions PM2.5	Factor CO		Emissions Factor SOx (g/mile) ¹⁰	s SOx
n-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD-1 - Gas)	217	670	715	627	43	44	1	0.163	0.240	0.47	0.700	0.027	0.040	0.10	0.153	1.22	1.800	0.002	0.003	0.008	0.012	0.076	0.113	0.002	0.003	0.002	4.43E-04	0.033	0.048	0.524	0.774	0.009	0.013
In-County Commercial Diesel11	T7-SWCV (Ds	29	89	95	83	6	6	1	0.464	0.091	5.53	1.087	0.024	0.005	0.00	0.000	0.00	0.000	0.018	0.003	0.036	0.007	0.062	0.012	0.017	0.003	0.009	2.65E-03	0.026	0.005	0.066	0.013	0.028	0.005
In County Commercial CNG	T7-SWCV (NO	10	31	33	29	2	2	1	0.313	0.022	0.00	0.000	0.043	0.003	0.00	0.000	0.00	0.000	0.003	0.000	0.036	0.002	0.062	0.004	0.003	0.000	0.009	3.98E-03	0.026	0.002	11.219	0.775	0.000	0.000
Out of County Commercial ²	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	95	293	313	275	19	19	1	2.120	1.372	2.23	1.443	0.024	0.016	0.00	0.000	0.00	0.000	0.029	0.019	0.036	0.023	0.027	0.018	0.009	0.006	0.009	1.19E-01	0.026	0.017	0.188	0.121	0.010	0.007
TOTALS		351		1156	1,014	69.80113636	72			1.725				0.064		0.153		1.800		0.026		0.045		0.147		0.013		0.126		0.073		1.683		0.026
Prorated by Mile										1.49E-03		0.00E+00		6.26E-05		1.51E-04		1.77E-03		2.53E-05		4.40E-05		1.45E-04		1.23E-05		1.25E-04		7.15E-05		1.66E-03		2.52E-0

Table O5 4 - Emissions from Off-Road Vehicles for Construction Peak Day Assuming 2025 Model Year or Better for PM2.5, CO, and SO2

Assuming Tier 4 final for all equipment over 200 hp

Table Q5.4 - Emissions from Off-Road	Vehicles for Const				Assuming 2025	Model Year o	r Better for PM2	1.5, CO, and SO2		Assuming Tie	er 4 final for all	equipment over	200 hp								
		Vo	hicle Properties	3										Air Quality	Emission Fac	tors and Calcu	ılations				
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/ Model/ Fuel ²	Model Year (motor)	HP ³	Miles /Day	Tier ⁴	Load Factor ⁵	Peak Operating Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp-hr) ⁷	Emissions ROG (lbs/day) ⁹	Exhaust Emissions Factor PM10 (g/bhp-hr) ⁷	Exhaust Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ⁷	Emissions CO (lbs/day) ⁹	Factor SO ₂	SO ₂
Dozer (not used for bulk exc.)	Crawler Tractors	Caterpillar D6T LGP	2025	165	24	3	0.43	8	7	2.32	2.90	0.09	0.11	0.112	0.14	0.138	0.17	3.209	4.02	0.005	0.01
Dozer	Crawler Tractors	Caterpillar D8T Dies	2025	310	24	4 (Final)	0.43	8	7	0.26	0.61	0.05	0.12	0.009	0.02	0.074	0.17	1.717	4.04	0.005	0.01
Dozer (Stockpile Area)	Crawler Tractors	Caterpillar D6R Dies	2025	140	12	3	0.43	4	7	2.32	1.23	0.09	0.05	0.112	0.06	0.138	0.07	3.209	1.70	0.005	0.00
Grader (not used for bulk excav.)	Graders	Caterpillar 140G Die	2025	150	0	3	0.41	0	7	2.32	0.00	0.09	0.00	0.112	0.00	0.140	0.00	3.418	0.00	0.005	0.00
Loader (Stockpile Area for Screening)	Rubber Tired Loaders	Caterpillar 938M Die	2025	190	56.8	3	0.36	8	7	2.32	2.80	0.09	0.11	0.088	0.11	0.045	0.05	1.142	1.38	0.005	0.01
Pad-Foot Compactor	Rollers	Caterpillar 826C Die	2025	341	27	4 (Final)	0.38	9	7	0.26	0.67	0.05	0.13	0.009	0.02	0.083	0.21	1.968	5.06	0.005	0.01
Smooth Drum Roller (NA)	Rollers	Caterpillar CS34 Die	2025	74	0	3	0.38	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.125	0.00	3.444	0.00	0.005	0.00
Backhoe (NA)	Tractors/Loaders/ Backhoes	Caterpillar 426C Die	2025	88	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.112	0.00	0.079	0.00	3.522	0.00	0.005	0.00
Excavator (2)	Excavators	John Deere 350 Diesel	2025	271	0	4 (Final)	0.38	18	7	0.26	1.06	0.05	0.20	0.009	0.04	0.024	0.10	1.051	4.29	0.005	0.02
Screening Plant (Stockpile Area)	Other Construction Equipment	Spyder 514TS Diesel	2025	74	0	3	0.42	9	7	2.74	1.69	0.09	0.06	0.192	0.12	0.187	0.12	3.584	2.21	0.005	0.00
Extended Loader (for liner)	Tractors/Loaders/ Backhoes	JCB 20TC	2025	74	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.079	0.00	3.522	0.00	0.005	0.00
Off-Road Dump/haul truck (3)	Off-Highway Trucks	Caterpillar 740 diesel	2025	453	191.7	4 (Final)	0.38	27	7	0.26	2.66	0.05	0.51	0.009	0.09	0.035	0.36	1.182	12.11	0.005	0.05
Totals				-							13.63	<u> </u>	1.29		0.60		1.26		34.81	1	0.11

Note: Increased time for this analysis

For a typical construction project, it is assumed that highest emissions takes place during the bulk excavation phase - assuming site-specific excavation equipment consisting primarily of two scrapers and a dozer as listed above as Tier 4. Additional

Table O5.5 Off-Road Vehicles for Op	perations - Future - 2	2030			Assuming 2025	Model Year or	Better for PM2	.5, CO, and SO2													
		Vehicle Properti	ies					Operation	ration Properties Emission Factors and Calculations												
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Mod el/ Fuel ²	l Model Year (motor)	HP ³	Miles Per Day	Tier ⁴	Load Factor ⁵	Peak Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp-hr) ⁷	Emissions ROG (lbs/day) ⁹	Emissions Factor PM10 (g/bhp-hr) ⁷	Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ¹¹		Emissions Factor SO ₂ (g/bhp-hr) ¹¹	Emissions SO ₂ (lbs/day) ⁹
Dozer (Mainline)	Crawler Tractors	Caterpillar D6T LGF	2025	255	10	4 (Final)	0.43	8	7	0.260	0.50	0.050	0.10	0.009	0.02	0.074	0.14	1.717	3.32	0.005	0.01
Dozer (Mainline)	Crawler Tractors	Caterpillar D8T Dies	se 2025	310	10	4 (Final)	0.43	8	7	0.260	0.61	0.050	0.12	0.009	0.02	0.074	0.17	1.717	4.04	0.005	0.01
Dozer (Support)	Crawler Tractors	Caterpillar D6R Dies	s 2025	200	3	4 (Final)	0.43	2	7	0.260	0.10	0.050	0.02	0.009	0.00	0.088	0.03	1.308	0.50	0.005	0.00
Grader	Graders	Caterpillar 140G Die	2025	150	6	4 (Final)	0.41	2	7	7.600	2.06	0.620	0.17	0.274	0.07	0.140	0.04	3.418	0.93	0.005	0.00
Loader	Rubber Tired Loaders	Caterpillar 938M Die	e 2025	182	5	4 (Final)	0.36	2	7	12.090	3.49	1.310	0.38	0.605	0.17	0.104	0.03	1.269	0.37	0.005	0.00
Compactor	Rollers	Caterpillar 826K Die	2025	426	9	4 (Final)	0.38	8	7	0.260	0.74	0.050	0.14	0.009	0.03	0.083	0.24	1.968	5.62	0.005	0.01
Compactor	Rollers	Caterpillar 826K Die	2025	426	5	4 (Final)	0.38	4	7	0.260	0.37	0.050	0.07	0.009	0.01	0.083	0.12	1.968	2.81	0.005	0.01
Backhoe	Tractors/Loaders/ Backhoes	Caterpillar 426C Die	es 2025	81.8	0	4 (Final)	0.37	2	7	0.260	0.03	0.050	0.01	0.009	0.00	0.079	0.01	3.522	0.47	0.005	0.00
Excavator	Excavators	John Deere 350 Diesel	2025	283	0	4 (Final)	0.38	6	7	0.260	0.37	0.050	0.07	0.009	0.01	0.024	0.03	1.051	1.49	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2025	380	22	4 (Final)	0.38	8	7	0.260	0.66	0.050	0.13	0.009	0.02	0.035	0.09	1.182	3.01	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2025	380	11	4 (Final)	0.38	4	7	0.260	0.33	0.050	0.06	0.009	0.01	0.035	0.04	1.182	1.51	0.005	0.01
Truck Tipper	Other Construction Equipment	Columbia	2025	156	NA	4 (Final)	0.42	8	7	0.260	0.30	0.050	0.06	0.009	0.01	0.103	0.12	3.136	3.62	0.005	0.01
Street Sweeper	Other Construction Equipment	Elgin 2019	2025	74	NA	4 (Final)	0.42	4	7	2.740	0.75	0.090	0.02	0.009	0.00	0.187	0.05	3.584	0.98	0.005	0.00
Totals											10.33		1.35		0.39		1.12		28.66		0.08

Table O5.6 Fugitive Dust - Paved Operations and Construction Support

Construction Activity	Road Distance Both Ways	PM ₁₀ Emissions Factor, lb/VMT	Control Efficiency	Paved Road Const. PM ₁₀ Emissions lb per Day ³	PM _{2.5} Emissions Factor, lb/VMT	Paved Road PM _{2.5} Emissions lb per Day ³
In County Public / Self Haul	627	0.135	90%	8.48	0.007	0.43
In/County Commercial	113	0.134	90%	1.51	0.033	0.37
Out of County Commercial	275	0.178	90%	4.87	0.044	1.20
Operations/Support	121	0.135	90%	1.64	0.033	0.40
Current & Proposed				16.50		2.40

Table O5.7 Fugitive Dust - Graveled Operations & Construction

Construction Activity	Road Distance Both Ways	PM ₁₀ Emissions Factor, lb/VMT	Control Efficiency	Paved Road Const. PM ₁₀ Emissions lb per Day ³	PM _{2.5} Emissions Factor, lb/VMT	Paved Road PM _{2.5} Emissions lb per Day ³
In County Public / Self Haul	43	1.012	90%	4.37	0.101	0.44
In/County Commercial	8	0.134	90%	0.10	0.202	0.16
Out of County Commercial	19	2.290	90%	4.33	0.229	0.43
Construction/Operations Support	8	2.030	90%	1.70	0.203	0.17
Totals				10.49		1.20

Table O5.8 Fugitive Dust - Unpaved Operations

Construction Activity	Road Distance Both Ways	PM ₁₀ Emissions Factor, lb/VMT	Control Efficiency	Paved Road Const. PM ₁₀ Emissions per Day ³	PM _{2.5} Emissions Factor, lb/VMT	Paved Road PM _{2.5} Emissions per Day ³
Construction Support	9	2.030	90%	1.74	0.262	0.23
Daily Cover Haul Truck	11	4.242	90%	4.55	0.424	0.46
Totals				6.30		0.68

Table O5.9 Fugitive Dust - Unpaved Construction

	Road Distance	PM ₁₀ Emissions	Control	Paved Road Const. PM ₁₀ Emissions per	PM _{2.5} Emissions Factor,	Paved Road PM _{2.5} Emissions per
Construction Activity	Both Ways	Factor, lb/VMT	Efficiency	Day ³	lb/VMT	Day ³
Soil Haul Truck	172	4.242	95%	35.79	0.424	3.58
Totals				35.79		3.58

Table O5.10 Fugitive Dust - Waste Filling Pad (Operations)

Construction Activity	VMT	PM ₁₀ Emissions Factor, lb/VMT	Control Efficiency	Paved Road Const. PM ₁₀ Emissions lb per Day ³	PM _{2.5} Emissions Factor, lb/VMT	Paved Road PM _{2.5} Emissions lb per Day ³
Grader, Loader, Scraper	11	1.543	90.00%	1.69	0.227	0.25
Compacting Waste & Dozers	Hr	lb/hr			lb/hr	
Compactor/Dozer	12	0.753	90.00%	0.93	0.414	0.51
Unloading Daily Cover	Ton	lb/ton			lb/ton	
Daily Cover Unloading	1,069	0.0002	25.00%	0.19	0.000	0.03
Totals				2.80		0.79

Table O5.11 Fugitive Dust - Construction Area

Construction Activity	VMT	PM ₁₀ Emissions Factor, lb/VMT	Control Efficiency	Paved Road Const. PM ₁₀ Emissions lb per Day ³	PM _{2.5} Emissions Factor, lb/VMT	Paved Road PM _{2.5} Emissions per Day ³
·		,				
Loader, grader, scraper	11	1.543	90.00%	1.69	0.227	0.25
Ripping/Compacting	Hr	lb/hr			lb/hr	
Dozer, Compactor, Grader	12	0.753	90.00%	0.90	0.414	0.50
Loading	Tons	lb/ton			lb/ton	
Daily Cover Unloading	10,020	0.0002	25.00%	1.80	0.000	0.27
Totals				4.39		1.02

Table O5.12 Fugitive Dust - Stockpiling Area (including screening)

Construction Activity	Hr	Lb/Hr	Control Efficiency	Paved Road Const. PM ₁₀ Emissions per Day ³	PM _{2.5} Emissions Factor, lb/VMT	Paved Road PM _{2.5} Emissions per Day ³
Loader (to load screen)	6	1.543	75%	2.31	0.227	0.34
Dozer, Compactor,	6	1.543	75%	2.31	0.414	0.62
Loading	Tons					
Screening	820	0.0002	75%	0.05	0.000	0.01
Unloading	10,020	0.0002	75%	0.60	0.000	0.09
Totals				5.28		1.06

- 1: Average trips from Table K.1 x miles on paved or unpaved road
 2: Average trips from Table K.2 x miles on paved or unpaved road
 3: Assuming (Ep truck x VMT truck) + (Ep car x VMT car)
 4: Assuming (Eup truck x VMT truck) + (Eup car x VMT car)
 5: Assumes (Eup truck x VMT truck) + (Eup car x VMT car)
 6: Assumes regular watering during and/or dust suppressants during dry periods per AP-42 Section 13, Figure 13.2.2-2 Moisture Ratio of 4.25
 6: Assumes 10 delivery and employee trips per project at Proposed Project mileage
 7: Assumes 4,000 cy/day @ 25 cy/trip = 160 trips and one mile round trip to stockpile
 8: Assuming (Eup Off-Road Dump x VMT truck) + (Eup Off-Road Car x VMT car)

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Dust Emissions Factor Calculation

Paved Road Emission Factor Equation for On-Site Roads

Ep = [k(sL)^0.91 (W)^1.02]x (1-P/4N)

Equation (1) from USEPA, AP-42 Fifth Edition, 2011, Section 13.2.1

Where:

Ep = particulate matter factor (having units matching the units of K)

k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.1-1

sL = road surface silt loading (g/m2)

W = average weight (tons) of the vehicles traveling the road

P = number of wet days with at least 0.01 inch or precipitation during the averaging period

N = number of averaging days for period

		in-County			
When:	Out of County Units	Commercial Units	Self Haul	Operations	Source
$k_{2.5} =$	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT	AP-42 Table 13.2.1-1
$k_{10} =$	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT	AP-42 Table 13.2.1-1
sL =	4.25 g/m2	4.25 g/m2	4.25 g/m2	4.25 g/m2	AP-42 Table 13.2.1-5 Assume surface low range of 1.1 on onbound leg and mean of 7.4 on outbound leg from 13.2.13, average of:
W =	27.00 tons	20.5 tons	4.4 tons	20.7 tons	See Table Q12 below
On Site P =	1 days	1 days	1 days	1 days	days Assume watered surface
On Site N =	1 days	1 days	1 days	1 days	days Assume watered surface
Then:	0.044 H. G.D.AT	0.022 H ADAT	0.007 H 4.747	0.022 II 374T	
Ep2.5 =	0.044 lb/VMT	0.033 lb/VMT	0.007 lb/VMT	0.033 lb/VMT	
Ep10 =	0.178 lb/VMT	0.134 lb/VMT	0.028 lb/VMT	0.135 lb/VMT	

Source Per AP-42 Table 13.2.2-2 for industrial roads

Table O2
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-2 for industrial roads

Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-1 for landfills, mean of graveled roads

Gravel Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

Equation (1a) from USEPA, AP-42 Fitth Edition, 2006, Section 13.2.2.

Where:

Eup = size-specific emission factor (lb/VMT) for unpaved surface

k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2

s = surface material silt content (%)

W = mean vehicle weight (tons)

a = industrial road constant from AP-42, Table 13.2.2-2

b = industrial road constant from AP-42, Table 13.2.2-2

		in-County		
When:	Out of County Units	Commercial Units	Self Haul	Operations
$k_{2.5} =$	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT
$_{S} =$	6.4 %	6.4 %	6.4 %	6.4 %
W =	27.0 tons	20.5 tons	4.4 tons	20.7 tons
a =	0.9	0.9	0.9	0.9
b =	0.45	0.45	0.45	0.45
Then:				
Eup2.5 =	0.229 lb/VMT	0.202 lb/VMT	0.101 lb/VMT	0.203 lb/VMT
$E_{UP}10 =$	2.290 lb/VMT	2.023 lb/VMT	1.012 lb/VMT	2.030 lb/VMT

Unpaved Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

Where:

Eup = size-specific emission factor (lb/VMT) for unpaved surface
k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2
s = surface material silt content (%)
W = mean vehicle weight (tons)
a = industrial road constant from AP-42, Table 13.2.2-2
b = industrial road constant from AP-42, Table 13.2.2-2

Haul Truck Units When: Operations Units Source
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-1 for landfills, mean for construction site scraper routes 0.15 lb/VMT 1.5 lb/VMT 0.15 lb/VMT 1.5 lb/VMT $\mathbf{k}_{10} =$ 60.3 tons 0.9 0.45 20.7 tons 0.9 0.45 Table Q13
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-2 for industrial roads Then: Eup2.5 = 0.424 lb/VMT 0.262 lb/VMT 4.242 lb/VMT 2.621 lb/VMT

Table O5.13 Vehicle Weight Assumptions (assumes full load in and empty out)

Category	Type	Percent	GVW, lb	NVW, lb	Average, lb	Av Tons
Small Vehicle (Public /Self Haul)	Ford F250 Gross V	NA	9,900	7,700	8,800	4.4
In County Commercial	Garbage Truck	NA	51,000	31,000	41,000	20.5
Out of County Commercial	Waste Transfer Tr	NA	75,000	33,000	54,000	27.0
Support Vehicles For Construction						
Average of:	Miles					
Ford Mechanic Truck (DSL)	2	5%	14,000	8,600	11,300	5.7
Ford F450 Flat Bed (DSL)	1	2%	14,000	8,600	11,300	5.7
Water Truck (DSL), 4,000 gal	32	76%	63,000	29500	46,250	23.1
Support Light Heavy Duty Trucks (2, DSL)	4	10%	14,000	8,600	11,300	5.7
Tractor Trailer Delivery (DSL)	1	2%	75,000	33,000	54,000	37.5
Carpool Vehicles (2, Gas)	2	5%	51,000	31,000	41,000	25.5
Total	42				Weighted Aver	20.7
Off Road Dump	CAT 740	NA	162,399	78,632	120,516	60.3

GVW: Gross vehicle weight including load

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4.25

Grading Equipment Passes Use for graders, loaders, rubber tired dozers, and scrapers to scrape or push soil

```
EF_{PM15} = 0.051 \text{ x (S)}^{2.0}, and EF_{PM10} = EF_{PM15} \text{ x } F_{PM10}, Used for PM_{10}
           EF_{TSP} = 0.4 x (S)<sup>2.5</sup>, and EF_{PM2.5} = EF_{TSP} x F_{PM2.5}, Used for PM_{2.5}
           Source: CalEEMod 2020.4.0, Appendix A Page 8
 Where :

EF = emissions factor (lb/VMT)

S = mean vehicle speed (mph)
                                                                                            Typical grading areas Acres per day
7.1 Crawler Tractors (Dozer) 0.5
                                                            AP-42 Default =
 F_{PM2.5} = PM_{2.5} scaling factor.

F_{PM10} = PM_{10} scaling factor.
                                                          AP-42 Default =
AP-42 Default =
                                                                                             0.03
                                                                                                                             Graders
                                                                                                                                                      0.5
0.5
                                                                                                               Rubber -Tired Dozers
                       1.543 lb/VMT
                    0.227 lb/VMT
EF_{PM2.5} =
```

Bulldozers Passes Use for compactors & tracked dozers

```
EF_{PM15} = (C_{PM15} \ x \ s^{1.5}) \ / \ M^{1.4} \ \ , \ and \ EF_{PM10} = EF_{PM15} \ x \ \ F_{PM10}; \ used \ for \ PM_{10}
                                            EF_{TSP} - (C_{TSP} x s ^{1.2} )/ M^{1.3} , and EF_{PM2.5} = EF_{TSP} x F_{PM2.5};\;\;used\;for\;PM_{2.5}
                                          CalEEMod 2020.4.0, Appendix A Page 9
          Where:
EF = emissions factor (lb/hr)
                                                                                                                                                                                                                                           Per AP-42 defaults for Overburden
                                                                                                                                                                                                                                                                                                                                                                                               C_{PM15} = 1
AP-42 Baseline On site material is bedrock that is being ripped or broken
                          C = Coefficient used by AP-42
s = Material silt content (%)
                                                                                                                                                                                                                                                                                C_{TSP} = 5.7

s = 6.90
     \begin{array}{lll} s = _{PMLS} s = _{PML
                                                                                                                                                                                                                                                                                                                                                                                               AP-42 Baseline
                                                                                            0.753 lb/hr x hr/day
EF_{PM2.5} =
                                                                                            0.414 lb/hr x hr/day
```

Truck Loading

From CalEEMod Appendix A and AP-42 Section 13.2.4 Per AP-42 defaults for Overburden

k = Particle size multiplier
U = mean wind speed (mph)
M = Material moisture content $PM_{10} = 0.35$ $PM_{2.5} = 0.053$ M = 7.90AP42 Table 13.2.4-1 clay/dirt mix

Assume: U = Load size = Fluff factor = 6.7 mph based on site specific wind data; Mode 30 CY loose, 1.3 CY loose/ CY banked Banked density =
Production =
Production = 1.6875 t/cy, in place 6,000 cy/day 10,125 t/day Screening Production = Screening Production =

 $EF_D = k \times (0.0032) \times ((U/5)^{1.3} / (M/2)^{1.4})$

2.3945E-04 lb/ton x production = 3.6260E-05 lb/ton x production = $EF_{PM2.5} =$

While there is no specific screen associated with asphalt paving emissions, CalEEMod estimates VOC off-gassing emissions associated with asphalt paving of parking lots using the following equation: Source CalEEMod Users Manual, 2020, Page 18

$$\begin{split} E_{AP} &= EF_{AP} \times A_{Parking} \\ Where: E &= emissions (lb) \\ EF &= emission factor (lb/acre). The SMAQMD default emission factor is 2.62 lb/acre.16 \\ A &= area of the parking lot (acre) \end{split}$$

9.17 lb. VOC /acre $E_{AP} =$ Acres of New Pavement
Das of Construction = 3.5 Acres 2 4.585 lb. VOC /day $E_{AP}d =$

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Last Revised Prepared by Checked by John Smith Road Landfill 10/29/2021 C. Coles

Attachment Q - Scenario 4

Alternatives Assessment

Table O6.1 - Summary Table - Scenario 4

PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG, lb/day	NOx, lb day	CO, lb day	SO ₂ , lb/day
9.43	1.45	2.42	2.12	2.06	0.04
15.22	1.74	0.45	0.39	0.38	0.01
5.95	0.72	0.68	0.60	0.58	0.01
17.68	1.77	0.70	3.66	16.63	0.02
3.20	1.91	1.08	8.97	22.65	0.06
4.70	1.02	0.63	5.62	18.90	0.06
1.34	1.30	0.21	0.39	5.29	0.01
0.44	0.45	4.22	49.89	2.27	214.91
NA	NA	10.81	NA	NA	NA
NA	NA	0.29	22.57	NA	NA
0.00	0.00	0.10	1.05	1.45	0.00
57.96	10.37	21.60	95.25	70.22	215.11
80.80	14.35	19.88	63.73	66.46	42.79
-22.83	-3.99	1.72	31.51	3.76	172.32
82	82	137	137	550	150
	9,43 15,22 5,95 17,68 3,20 4,70 1,34 0,44 NA NA NA 0,00 57,96 88,80	9,43 1.45 15.22 1.74 5.95 0.72 17.68 1.77 3.20 1.91 4.70 1.02 1.34 1.30 0.44 0.45 NA 0.00 0.00 57.96 10.37 80.80 14.35 -22.83 -3.99	9.43 1.45 2.42 15.22 1.74 0.45 5.95 0.72 0.68 17.68 1.77 0.70 3.20 1.91 1.08 4.70 1.02 0.63 1.34 1.30 0.21 0.44 0.45 4.22 NA NA 10.81 NA NA 0.29 0.00 0.00 0.10 57.96 10.37 21.60 80.80 14.35 19.88 -22.83 -3.99 1.72	9,43 1,45 2,42 2,12 15,12 15,12 16,14 16,15 16,15 16,15 16,15 17,16 18,15 17,16 18,15 17,16 18,15 17,16 18,15 17,16 18,15 17,16 18,15 17,16 18,15 17,16 18,15 17,16 18,15 18,1	943 1.45 2.42 2.12 2.06 15.22 1.74 0.45 0.39 0.38 5.95 0.72 0.68 0.60 0.58 17.68 1.77 0.70 3.66 16.63 3.20 1.91 1.08 8.97 22.65 4.70 1.02 0.63 5.62 18.90 1.34 1.30 0.21 0.39 5.29 0.44 0.45 4.22 49.89 2.27 NA NA NA 10.81 NA NA NA NA NA NA 0.29 22.57 NA NA NA 0.29 22.57 NA 0.00 0.00 0.10 1.05 1.45 57.96 10.37 21.60 95.25 70.22 80.80 14.35 19.88 63.73 66.46 -22.83 -3.99 1.72 31.51 3.76

Use This Version - Enter Indirect Manually

- Notes:

 1: The values for ROG and CO from the flare represent the detection limit. The actual value will be lower.

 2: Described as VOC in CEQA Guidelines (Assume ROG is synonymous)

 3: Described as NO₈ as NO₂ in CEQA Guidelines. Assume all NQ is NO₂ for this analysis.

 4: Describes as SO₈ as SO₂ in CEQA Guidelines. Assume all SQ is SO₂ for this analysis.

Variables						
Project Year	2030					
Waste Delivery Miles - Paved	4,080	0.77	Miles One Way			4,840
Waste Delivery Miles - Graveled	760	0.14	Miles One Way			
Construction Access - Unpaved	1,150	0.22	Miles One Way In	Addition to V	Waste Delivery	
Construction Soil Haul - Unpaved	920	0.17	Miles One Way			
Construction Area		7.9	Acres			
Stockpile Area		8.7	Acres			
Waste Disposal Area		1	Acres	Assume 20	00 x 200 working face	
Assumed Speeds						
Compactor Speed	3	mph				
Dozer Speed	3	mph				
Loader Speed	7.1	mph, AP-42 Default				
Grader Speed	7.1	mph, AP-42 Default				
Off-Road Haul Truck Speed	7.1	mph, AP-42 Default				
Excavator Speed	0	mph	mostly stationary			
Backhoe Speed	0	mph	mostly stationary			
Construction Excavation	6,000	cy				
Construction Excavation	10,020	tons @1.67 t/cy	239	Loads	41.68	Total Miles One way
Daily Cover Excavation	320	cy (2000 tpd waste /0.75	x 0.12 cy soil/cy waste			
Daily Cover Excavation	534	tons @1.67 t/cy	15	Loads =	2.60	Total Miles One way

Waste Delivery On-Site Emissions - Assuming

See Footnotes on Attachment O1

		Vehicle Prop	perties																	Em	ission Factors :	and Calculatio	ns											
On-Road Vehicles	Vehicle Category	Trips/Day	Trip Dist (both	Total Miles /	Paved Miles / Day (both ways)	Graveled Miles/Day (both ways)	Unpaved Miles/Day (both ways)	Load Factor ⁵	RUNEX Emissions Factor NOx (g/mile) ¹⁰		STREX Emissions NOx (g/trip)	STREX Emissions Factor NOx (lb/day)	RUNEX Emissions Factor ROC (g/mile) ¹⁰		STREX Emissions Factor ROG (g/trip) ¹⁰	Emissions	RUNLOSS Emissions Factor ROG (g/trip) ¹⁰	Emissions	Exhaust Emissions Factor PM10 (g/mile) ¹⁰	Emissions	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰		Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Tire Wear Emissions	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Factor CO		Emissions Factor SOx (g/mile) ¹⁰	
ord Mechanic Truck (DSL)	LHD1	2	4.5	4.5	3.1	0.6	0.9	1	1.79	0.0	0.00	0.000	1.69E-01	0.002	0.00	0.000	0.00	0.000	2.54E-02	0.000	1.20E-02	0.000	7.64E-02	0.001	2.43E-02	0.000	0.003	0.000	0.033	0.000	8.28E-01	0.008	4.96E-03	5E-03
ord F450 Flat Bed (DSL)	LHD2	1	2.3	2.3	1.5	0.3	0.4	1	1.30	0.0	0.00	0.000	1.56E-01	0.001	0.00	0.000	0.00	0.000	2.65E-02	0.000	1.20E-02	0.000	8.92E-02	0.000	2.54E-02	0.000	0.003	0.038	0.038	0.000	7.72E-01	0.004	5.54E-03	3E-05
Vater Truck (DSL) ¹	T6 CAIRP heavy	32	72.6	72.6	49.5	9.2	13.9	1	2.86	0.5	0.00	0.000	1.02E-02	0.002	0.00	0.000	0.00	0.000	1.79E-02	0.003	1.20E-02	0.002	1.30E-01	0.021	1.71E-02	0.003	0.003	0.000	0.001	0.000	8.47E-02	0.014	9.01E-03	1E-03
upport Light Heavy Duty Trucks (2, DSL)	LHD1	4	9.1	9.1	6.2	1.2	1.7	1	1.79	0.0	0.00	0.000	1.69E-01	0.002	0.00	0.000	0.00	0.000	2.54E-02	0.001	1.20E-02	0.000	7.64E-02	0.002	2.43E-02	0.000	0.003	0.000	3.28E-02	0.001	8.28E-01	0.017	4.96E-03	1E-04
ractor Trailer Delivery (DSL)	T7 CAIRP	1	2.3	2.3	1.5	0.3	0.4	1	2.12	0.0	0.00	0.000	2.02E-02	0.000	0.00	0.000	0.00	0.000	2.86E-02	0.000	3.60E-02	0.000	6.17E-02	0.000	2.74E-02	0.000	0.009	0.000	0.026	0.000	1.88E-01	0.001	1.02E-02	5E-05
Carpool Vehicles (2, Gas)	LDT1	2	4.5	4.5	3.1	0.6	0.9	1	0.03	0.0	0.17	0.001	7.13E-01	0.007	0.21	0.001	0.46	0.002	1.08E-03	0.000	8.00E-03	0.000	3.68E-02	0.000	9.97E-04	0.000	0.002	0.000	0.016	0.000	5.01E-01	0.005	2.52E-03	3E-05
otals				95	64.9	12	18			0.529		0.001		0.013		0.001		0.002		0.004		0.003		0.024		0.004		0.039		0.002		0.048		0.007
rorated by Mile										5.55E-03		8.06E-06		1.37E-04		9.78E-06		2.13E-05		4.10E-05		2.73E-05		2.55E-04		3.93E-05		4.08E-04		1.66E-05		5.06E-04		7.40E-05

Notes: Assume 2 start per day.

Table O6.3 - On-Road Waste Delivery On-Site Vehicles Proposed Project Peak Tonnage Day Assuming 2030 Emissions Year

		Site Prope	erties																	Em	ission Factors a	nd Calculatio	ns											
On-Road Vehicles	Vehicle Category	Trips / Day (Peak Tonnage) from Att K	Trip Dist (both	Total Miles /	Miles on Paved Road	Miles on Grav	Unpaved Miles/Day (both ways)	Load Factor ⁵	RUNEX Emissions Factor NOx (g/mile) ¹⁰	RUNEX Emissions NOx (lbs/day) ⁸	STREX Emissions NOx (g/trip)	STREX Emissions Factor NOx (lb/day)	RUNEX Emissions Factor ROG (g/mile) ¹⁰	RUNEX Emissions ROG (lbs/day) ⁸	STREX Emissions Factor ROG (g/trip) ¹⁰	Emissions	RUNLOSS Emissions Factor ROG (g/trip) ¹⁰	RUNLOSS Emissions ROG (lbs/day) ⁸	Emissions Factor PM10	Emissions	Tire Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions	Brake Wear Emissions Factor PM10 (g/mile) ¹⁰	Emissions	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰		Tire Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Tire Wear Emissions	Brake Wear Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions	Factor CO	CO	Emissions Factor SOx (g/mile) ¹⁰	so
-County Self Haul/Residential ^{†2}	Light/Heavy Duty Trucks (LHD 1 - Gas)	217	398	492	335	62	95	1	0.163	0.143	0.47	0.415	0.027	0.024	0.10	0.091	1.22	1.068	0.002	0.002	0.008	0.007	0.076	0.067	0.002	0.002	0.002	0.002	0.033	0.029	0.524	0.460	0.009	0.008
-County Commercial Diesel	T7-SWCV (Dsl)	29	53	65	45	8	13	1	0.464	0.054	5.53	0.645	0.024	0.003	0.00	0.000	0.00	0.000	0.018	0.002	0.036	0.004	0.062	0.007	0.017	0.002	0.009	0.001	0.026	0.003	0.066	0.008	0.028	0.003
County Commercial CNG	T7-SWCV (NG)	10	19	23	16	3	4	1	0.313	0.013	0.00	0.000	0.043	0.002	0.00	0.000	0.00	0.000	0.003	0.000	0.036	0.001	0.062	0.003	0.003	0.000	0.009	0.000	0.026	0.001	11.219	0.460	0.000	0.000
ut of County Commercial ²	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	95	174	216	147	27	41	1	2.120	0.814	2.23	0.857	0.024	0.009	0.00	0.000	0.00	0.000	0.029	0.011	0.036	0.014	0.027	0.011	0.009	0.003	0.009	0.003	0.026	0.010	0.188	0.072	0.010	0.004
TOTALS		351		796	542	101	153			1.024				0.038		0.091		1.068		0.015		0.027		0.087		0.007		0.007		0.043		0.999		0.015
orated by Mile				-	·		•			1.29E-03		0.00E+00		6.95E-05		1.68E-04		1.97E-03		2.81E-05		4.89E-05		1.61E-04		1.37E-05		1.22E-05		7.94E-05		1.84E-03	i	2.79E-0

Assuming 2025 Model Year or Better for PM2.5, CO, and SO2

Assuming Tier 4 final for all equipment over 200 hp

		Vehicle	e Properties											Air Quali	ity Emission l	actors and Ca	lculations				
Off-Road Equipment	Off-Road Equipment Equivalent ⁱ	Manufacturer/ Model/ Fuel ²	Model Year (motor)	HP ³	Miles /Day	Tier ⁴	Load Factor ⁵	Peak Operating Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp- hr) ⁷	Emissions ROG (lbs/day) ⁹	Exhaust Emissions Factor PM10 (g/bhp-hr) ⁷	Exhaust Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ⁷	Emissions CO (lbs/day) ⁹	Emissions Factor SO ₂ (g/bhp-hr) ⁷	_
Pozer (not used for bulk exc.)	Crawler Tractors	Caterpillar D6T LGP	2025	165	24	3	0.43	8	7	2.32	2.90	0.09	0.11	0.112	0.14	0.138	0.17	3.209	4.02	0.005	0.01
Oozer	Crawler Tractors	Caterpillar D8T Diesel	2025	310	24	4 (Final)	0.43	8	7	0.26	0.61	0.05	0.12	0.009	0.02	0.074	0.17	1.717	4.04	0.005	0.01
Oozer (Stockpile Area)	Crawler Tractors	Caterpillar D6R Diesel	2025	140	12	3	0.43	4	7	2.32	1.23	0.09	0.05	0.112	0.06	0.138	0.07	3.209	1.70	0.005	0.00
Grader (not used for bulk excav.)	Graders	Caterpillar 140G Diesel	2025	150	0	3	0.41	0	7	2.32	0.00	0.09	0.00	0.112	0.00	0.140	0.00	3.418	0.00	0.005	0.00
oader (Stockpile Area for Screening)	Rubber Tired Loaders	Caterpillar 938M Diesel	2025	190	56.8	3	0.36	8	7	2.32	2.80	0.09	0.11	0.088	0.11	0.045	0.05	1.142	1.38	0.005	0.01
ad-Foot Compactor	Rollers	Caterpillar 826C Diesel	2025	341	27	4 (Final)	0.38	9	7	0.26	0.67	0.05	0.13	0.009	0.02	0.083	0.21	1.968	5.06	0.005	0.01
mooth Drum Roller (NA)	Rollers	Caterpillar CS34 Diesel	2025	74	0	3	0.38	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.125	0.00	3.444	0.00	0.005	0.00
Backhoe (NA)	Tractors/Loaders/ Backhoes	Caterpillar 426C Diesel	2025	88	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.112	0.00	0.079	0.00	3.522	0.00	0.005	0.00
Excavator (2)	Excavators	John Deere 350 Diesel	2025	271	0	4 (Final)	0.38	18	7	0.26	1.06	0.05	0.20	0.009	0.04	0.024	0.10	1.051	4.29	0.005	0.02
creening Plant (Stockpile Area)	Other Construction Equipment	Spyder 514TS Diesel	2025	74	0	3	0.42	9	7	2.74	1.69	0.09	0.06	0.192	0.12	0.187	0.12	3.584	2.21	0.005	0.00
Extended Loader (for liner)	Tractors/Loaders/ Backhoes	JCB 20TC	2025	74	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.079	0.00	3.522	0.00	0.005	0.00
Off-Road Dump/haul truck (3)	Off-Highway Trucks	Caterpillar 740 diesel	2025	453	191.7	4 (Final)	0.38	27	7	0.26	2.66	0.05	0.51	0.009	0.09	0.035	0.36	1.182	12.11	0.005	0.05
otals											13.63		1.29		0.60		1.26		34.81		0.11

Note: Increased time for this analysis

For a typical construction project, it is assumed that highest emissions takes place during the bulk excavation phase - assuming site-specific excavation equipment consisting primarily of two scrapers and a dozer as listed above as Tier 4. Additional equipment listed is support equipment

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Table O6.5 Off-Road Vehicles for Oper	ations - Future - 2030				Assuming 2025 Mode	el Year or Better fo	or PM2.5, CO, and	1 SO2													
		Vehicle Properties						Operation	Properties					Em	ission Factors	and Calculati	ons				
Off-Road Equipment	Off-Road Equipment Equivalent	Manufacturer/Model/ Fuel ²	Model Year (motor)	HP ³	Miles Per Day	Tier ⁴	Load Factor ⁵	Peak Hours	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp- hr) ⁷	Emissions ROG (lbs/day) ⁹	Emissions Factor PM10 (g/bhp-hr) ⁷	Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ¹¹		Emissions Factor SO ₂ (g/bhp-hr) ¹¹	Emissions SO ₂ (lbs/day) ⁹
Dozer (Mainline)	Crawler Tractors	Caterpillar D6T LGP	2025	255	10	4 (Final)	0.43	8	7	0.260	0.50	0.050	0.10	0.009	0.02	0.074	0.14	1.717	3.32	0.005	0.01
Dozer (Mainline)	Crawler Tractors	Caterpillar D8T Diesel	2025	310	10	4 (Final)	0.43	8	7	0.260	0.61	0.050	0.12	0.009	0.02	0.074	0.17	1.717	4.04	0.005	0.01
Dozer (Support)	Crawler Tractors	Caterpillar D6R Diesel	2025	200	3	4 (Final)	0.43	2	7	0.260	0.10	0.050	0.02	0.009	0.00	0.088	0.03	1.308	0.50	0.005	0.00
Grader	Graders	Caterpillar 140G Diesel	2025	150	6	4 (Final)	0.41	2	7	7.600	2.06	0.620	0.17	0.274	0.07	0.140	0.04	3.418	0.93	0.005	0.00
Loader	Rubber Tired Loaders	Caterpillar 938M Diesel	2025	182	5	4 (Final)	0.36	2	7	12.090	3.49	1.310	0.38	0.605	0.17	0.104	0.03	1.269	0.37	0.005	0.00
Compactor	Rollers	Caterpillar 826K Diesel	2025	426	9	4 (Final)	0.38	8	7	0.260	0.74	0.050	0.14	0.009	0.03	0.083	0.24	1.968	5.62	0.005	0.01
Compactor	Rollers	Caterpillar 826K Diesel	2025	426	5	4 (Final)	0.38	4	7	0.260	0.37	0.050	0.07	0.009	0.01	0.083	0.12	1.968	2.81	0.005	0.01
Backhoe	Tractors/Loaders/Backhoes	Caterpillar 426C Diesel	2025	81.8	0	4 (Final)	0.37	2	7	0.260	0.03	0.050	0.01	0.009	0.00	0.079	0.01	3.522	0.47	0.005	0.00
Excavator	Excavators	John Deere 350 Diesel	2025	283	0	4 (Final)	0.38	6	7	0.260	0.37	0.050	0.07	0.009	0.01	0.024	0.03	1.051	1.49	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2025	380	22	4 (Final)	0.38	8	7	0.260	0.66	0.050	0.13	0.009	0.02	0.035	0.09	1.182	3.01	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2025	380	11	4 (Final)	0.38	4	7	0.260	0.33	0.050	0.06	0.009	0.01	0.035	0.04	1.182	1.51	0.005	0.01
Truck Tipper	Other Construction Equipment	Columbia	2025	156	NA	4 (Final)	0.42	8	7	0.260	0.30	0.050	0.06	0.009	0.01	0.103	0.12	3.136	3.62	0.005	0.01
Street Sweeper	Other Construction Equipment	Elgin 2019	2025	74	NA	4 (Final)	0.42	4	7	2.740	0.75	0.090	0.02	0.009	0.00	0.187	0.05	3.584	0.98	0.005	0.00
Totals											10.33		1.35		0.39		1.12		28.66		0.08

Table O6.6 Fugitive Dust - Paved Operations and Construction Support

				Paved Road		
		PM ₁₀ Emissions Factor,		Const. PM ₁₀ Emissions lb	PM, Emissions	Paved Road PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	lb per Day ³
In County Public / Self Haul	335	0.142	90%	4.78	0.007	0.24
In/County Commercial	60	0.141	90%	0.85	0.035	0.21
Out of County Commercial	147	0.187	90%	2.75	0.046	0.67
Operations/Support	65	0.142	90%	0.92	0.035	0.23
Current & Proposed	·			9.30		1.35

Table O6.7 Fugitive Dust - Graveled Operations & Construction

		PM ₁₀ Emissions Factor,		Paved Road Const. PM ₁₀ Emissions lb	4.3	Paved Road PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	lb per Day ³
In County Public / Self Haul	62	1.012	90.00%	6.32	0.101	0.63
In/County Commercial	11	0.141	90.00%	0.16	0.202	0.23
Out of County Commercial	27	2.290	90.00%	6.26	0.229	0.63
Construction/Operations Support	12	2.030	90.00%	2.45	0.203	0.25
Totals				15.20		1.73

Table O6.8 Fugitive Dust - Unpaved Operations

				Paved Road		
				Const. PM ₁₀		Paved Road
		PM ₁₀ Emissions Factor,		Emissions	PM _{2.5} Emissions	PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	per Day ³
Construction Support	18	2.030	90.00%	3.71	0.262	0.48
Daily Cover Haul Truck	5	4.242	90.00%	2.21	0.424	0.22
Totals				5.92		0.70

Table O6.9 Fugitive Dust - Unpaved Construction

				Paved Road Const. PM ₁₀		Paved Road
		PM ₁₀ Emissions Factor,		Emissions	PM _{2.5} Emissions	PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	per Day ³
Soil Haul Truck	83	4.242	95%	17.68	0.424	1.77
Totals				17.68		1.77

Table O6.10 Fugitive Dust - Waste Filling Pad (Operations)

		PM ₁₀ Emissions Factor,		Paved Road Const. PM ₁₀ Emissions lb	PM, 5 Emissions	Paved Road PM _{2.5} Emissions
Construction Activity	VMT	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	lb per Day ³
Grader, Loader, Scraper	11	1.543	90.00%	1.69	0.227	0.25
Compacting Waste & Dozers	Hr	lb/hr			lb/hr	
Compactor/Dozer	12	0.753	90.00%	0.93	0.414	0.51
Unloading Daily Cover	Ton	lb/ton			lb/ton	
Daily Cover Unloading	1,069	0.0002	25.00%	0.19	0.000	0.03
Totals				2.80		0.79

Table O6.11 Fugitive Dust - Construction Area

- mart o and a general and a second						
		PM ₁₀ Emissions Factor,		Paved Road Const. PM ₁₀ Emissions lb	PM _{2.5} Emissions	Paved Road PM _{2.5} Emissions
Construction Activity	VMT	lb/VMT	Control Efficiency	per Day	Factor, lb/VMT	per Day ³
Loader, grader, scraper	11	1.543	90.00%	1.69	0.227	0.25
Ripping/Compacting	Hr	lb/hr			lb/hr	
Dozer, Compactor, Grader	12	0.753	90.00%	0.90	0.414	0.50
Loading	Tons	lb/ton			lb/ton	
Daily Cover Unloading	10,020	0.0002	25.00%	1.80	0.000	0.27
Totals				4.39		1.02

Table O6.12 Fugitive Dust - Stockpiling Area (including screening)

Construction Activity	Hr	Lb/Hr	Control Efficiency	Paved Road Const. PM ₁₀ Emissions per Day ³	PM _{2.5} Emissions Factor, lb/VMT	Paved Road PM _{2.5} Emissions per Day ³
Loader (to load screen)	6	1.543	75.00%	2.31	0.227	0.34
Dozer, Compactor,	6	1.543	75.00%	2.31	0.414	0.62
Loading	Tons					
Screening	887	0.0002	75.00%	0.05	0.000	0.01
Unloading	10,020	0.0002	75.00%	0.60	0.000	0.09
Totals				5.28		1.06

- 1: Average trips from Table K1 x miles on paved or unpaved road
 2: Average trips from Table K2 x miles on paved or unpaved road
 3: Assuming (Ep truck x VMT truck) + (Ep car x VMT car)
 4: Assuming (Ep truck x VMT truck) + (Ep car x VMT car)
 5: Assumes 10 delivery and employee trips per project at Proposed Project mileage
 7: Assumes 10 delivery and employee trips per project at Proposed Project mileage
 7: Assumes 4,000 cyday @ 25 cy/trip = 160 traps and one mile round trip to stockpile
 8: Assuming (Eup Off-Road Dump x VMT truck) + (Eup Off-Road Car x VMT car)

Dust Emissions Factor Calculation

Paved Road Emission Factor Equation for On-Site Roads

Ep = [k(sL)^0.91 (W)^1.02]x (1-P/4N)

Equation (1) from USEPA, AP-42 Fifth Edition, 2011, Section 13.2.1

•							
Where:							
Ep = particula	te matter factor (having units matching the uni	ts of K)					
k = particle	size multiplier for particle size range and units	of interest from AP-42 Table 13.2.1-1					
sL = road sur	face silt loading (g/m2)						
W = average	weight (tons) of the vehicles traveling the road						
P = number	of wet days with at least 0.01 inch or precipitat	ion during the averaging period					
N = number	of averaging days for period						
		In-County					
When:	Out of County Units	Commercial Units	Self Haul	Operations	Source		
k _{2.5} =	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT	AP-42 Tab	le 13.2.1-1	
k ₁₀ =	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT	AP-42 Tab	le 13.2.1-1	
sL =	4.5 g/m2	4.5 g/m2	4.5 g/m2	4.5 g/m2	AP-42 Tab	le 13.2.1-5	Assume surface low range of 1.1 on onbound leg and mean of 7.4
W =	27.00 tons	20.5 tons	4.4 tons	20.7 tons	See Table (Q12 below	
On Site P =	l days	1 days	1 days	1 days	days	Assume water	red surface
On Site N =	l days	1 days	1 days	1 days	days	Assume water	red surface
Then:							
Ep2.5 =	0.046 lb/VMT	0.035 lb/VMT	0.007 lb/VMT	0.035 lb/VMT			
Ep10 =	0.187 lb/VMT	0.141 lb/VMT	0.029 lb/VMT	0.142 lb/VMT			

Gravel Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

- Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

 Where:

 Eup = size-specific emission factor (Ib/VMT) for unpaved surface
 k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2
 s = surface material silt content (%)

 W = mean vehicle weight (tons)
 a = industrial road constant from AP-42, Table 13.2.2-2
 b = industrial road constant from AP-42, Table 13.2.2-2

		in-County			
When:	Out of County Units	Commercial Units	Self Haul	Operations	Sou
$k_{2.5} =$	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT	Per
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT	Per
s =	6.4 %	6.4 %	6.4 %	6.4 %	Per
W =	27.0 tons	20.5 tons	4.4 tons	20.7 tons	Tab
a =	0.9	0.9	0.9	0.9	Per
b =	0.45	0.45	0.45	0.45	Per
Then:					
Eup2.5 =	0.229 lb/VMT	0.202 lb/VMT	0.101 lb/VMT	0.203 lb/VMT	
$E_{IIP}10 =$	2.290 lb/VMT	2.023 lb/VMT	1.012 lb/VMT	2.030 lb/VMT	

Unpaved Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

- Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

 Where:

 Eup = size-specific emission factor (lb/VMT) for unpaved surface
 k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2
 s = surface material silt content (%)

 W = mean vehicle weight (tons)
 a = industrial road constant from AP-42, Table 13.2.2-2
 b = industrial road constant from AP-42, Table 13.2.2-2

When:	Haul Truck Units	Operations Units	Source
k _{2.5} =	0.15 lb/VMT	0.15 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
s =	8.5 %	8.5 %	Per AP-42 Table 13.2.2-1 for landfills, mean for construction site scraper
W =	60.3 tons	20.7 tons	Table Q13
a =	0.9	0.9	Per AP-42 Table 13.2.2-2 for industrial roads
b =	0.45	0.45	Per AP-42 Table 13.2.2-2 for industrial roads
Then:			
Eup2.5 =	0.424 lb/VMT	0.262 lb/VMT	
E _{UP} 10 =	4.242 lb/VMT	2.621 lb/VMT	

7.4 on outbound leg from 13.2.1.-3, average of:

Source
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-1 for landfills, mean of graveled roads
Table 02
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-2 for industrial roads

Table O6.13 Vehicle	Waight Accumption	(accumae full land in	and ampty out)

Category	Type	Percent	GVW, lb	NVW, lb	Average, lb	Av Tons
Small Vehicle (Public /Self Haul)	Ford F250 Gross Weight	NA	9,900	7,700	8,800	4.4
In County Commercial	Garbage Truck	NA	51,000	31,000	41,000	20.5
Out of County Commercial	Waste Transfer Truck	NA	75,000	33,000	54,000	27.0
Support Vehicles For Construction						
Average of:	Miles					
Ford Mechanic Truck (DSL)	2	5%	14,000	8,600	11,300	5.7
Ford F450 Flat Bed (DSL)	1	2%	14,000	8,600	11,300	5.7
Water Truck (DSL), 4,000 gal	32	76%	63,000	29500	46,250	23.1
Support Light Heavy Duty Trucks (2, DSL)	4	10%	14,000	8,600	11,300	5.7
Tractor Trailer Delivery (DSL)	1	2%	75,000	33,000	54,000	37.5
Carpool Vehicles (2, Gas)	2	5%	51,000	31,000	41,000	25.5
Total	42				Weighted Average	20.7
Off Road Dump	CAT 740	NA	162,399	78,632	120,516	60.3

GVW: Gross vehicle weight including load

Grading Equipment Passes Use for graders, loaders, rubber tired dozers, and scrapers to scrape or push soil

Source: CalEEMod 2020.4.0, Appendix A Page 8

$$\begin{split} &EF_{PM15} = 0.051~x~(S)^{2.0}, \text{and } EF_{PM10} = EF_{PM15}~x~F_{PM10}. \text{Used for } PM_{10} \\ &EF_{TSP} - 0.4~x~(S)^{2.5}, \text{and } EF_{PM2.5} = EF_{TSP}~x~F_{PM2.5}. \text{Used for } PM_{2.5} \end{split}$$

 $\begin{aligned} & \text{Where:} \\ & \text{EF} = \text{ emissions factor (lb/VMT)} \\ & \text{S} = \text{mean vehicle speed (mph)} \\ & \text{F}_{\text{PM2.5}} = \text{PM}_{2.5} \text{ scaling factor.} \\ & \text{F}_{\text{PM10}} = \text{PM}_{10} \text{ scaling factor.} \end{aligned}$ AP-42 Default = 7.1 AP-42 Default = 0.03 AP-42 Default = 0.6

1.543 lb/VMT 0.227 lb/VMT

Bulldozers Passes Use for compactors & tracked dozers

$$EF_{PM15}=\left(C_{PM15}~x~s^{1.5}\right)/~M^{1.4}~$$
 , and $EF_{PM10}=EF_{PM15}~x~F_{PM10};~used~for~PM_{10}$

$$EF_{TSP}$$
 - (C $_{TSP}$ x $s^{1.2}$)/ $M^{1.3}$, and $EF_{PM2.5}$ = EF_{TSP} x $F_{PM2.5};\;\;used$ for $PM_{2.5}$

CalEEMod 2020.4.0, Appendix A Page 9

Per AP-42 defaults for Overburden

Where:
$$\begin{split} & \text{FF} = \text{emissions factor (lb/hr)} \\ & \text{C} = \text{Coefficient used by AP-42} \\ & \text{s} = \text{Material silt content (%)} \\ & \text{M} = \text{Material indrostoure content (%)} \\ & \text{F}_{\text{PM2}} = \text{PM}_{\text{20}} \text{ sealing factor.} \\ & \text{F}_{\text{PM0}} = \text{PM}_{\text{10}} \text{ scaling factor.} \\ \end{split}$$
 $& \text{AP-42 default is 0.031} \\ & \text{F}_{\text{M10}} = \text{PM}_{\text{10}} \text{ scaling factor.} \\ \end{split}$

0.753 lb/hr x hr/day 0.414 lb/hr x hr/day $EF_{PM10} = EF_{PM2.5} =$

Truck Loading

 $EF_D = k \times (0.0032) \times ((U/5)^{1.3} / (M/2)^{1.4})$

From CalEEMod Appendix A and AP-42 Section 13.2.4

Per AP-42 defaults for Overburden

From CalEEMod Appendix
Where:
EF = emissions factor (lb/ton)
k = Particle size multiplier
U = mean wind speed (mph)
M = Material moisture content $PM_{10} = 0.35$ $PM_{2.5} = 0.053$ M = 7.90 AP42 Table 13.2.4-1 clay/dirt mix

6.7 mph based on site specific wind data; Mode 30 CY loose, CY banked 1.8 CY loose/CY banked 1.6875 by, in place 1 6.000 cy/day 10.125 b/day 500 cy/day 500 cy/day 843.75 b/day

Assume:
U =
Load size =
Fluff factor =
Banked density =
Production =
Production =
Screening Production =
Screening Production =

 $EF_{PM10} = EF_{PM2.5} =$ 2.3945E-04 lb/ton x production = 3.6260E-05 lb/ton x production =

Asphalt

While there is no specific screen associated with asphalt paving emissions, CalEEMod estimates VOC off-gassing emissions associated with asphalt paving of parking lots using the following equation: Source CalEEMod Users Manual, 2020, Page 18

$$E_{AP} = EF_{AP} \times A_{Parking}$$

Where: E = emissions (lb)

EF = emission factor (lb/acre). The SMAQMD default emission factor is 2.62 lb/acre.16

A = area of the parking lot (acre)

$$\begin{split} E_{AP} = \\ Acres of New Pavement \\ Das of Construction = \\ E_{AP}d = \end{split}$$
9.17 lb. VOC /acre 3.5 Acres 2 4.585 lb. VOC /day

John Smith Road Landfill

Attachment Q - Scenario 5 - Class I Area Clean Closure

Alternatives Assessment

Table O7.1 - Summary Table - Scenario 5 - South Project & Class I Area

Location	PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG, lb/day	NOx, lb day	CO, lb day	SO2, lb/day
Emissions from Paved Road	16.48	23.74	4.41	4.24	3.77	0.07
Emissions from Graveled Road	27.02	3.10	0.79	0.76	0.68	0.01
Emissions from Unpaved Road	7.78	0.86	0.45	0.44	0.39	0.01
Emissions from Soil Haul Path	42.28	4.23	0.70	3.66	16.63	0.02
Emissions from Waste Disposal Area	3.20	1.91	1.08	8.97	22.65	0.06
Emissions from Construction Area	4.70	1.02	0.63	5.62	18.90	0.06
Emissions from Stockpile	1.55	1.50	0.21	0.39	5.29	0.01
Flare or IC (peak) ¹	0.44	0.45	4.22	49.89	2.27	214.91
Peak LFG Fugitive Emissions	NA	NA	10.81	NA	NA	NA
Indirect (peak tonnage day, off site)App L	NA	NA	0.29	22.57	NA	NA
Entrance Queuing	0.00	0.00	0.10	1.05	1.45	0.00
Total	103.46	36.81	23.72	97.58	72.03	215.14
Baseline (2021)	80.80	14.35	19.88	63.73	66.46	42.79
Change from Baseline	22.66	22.46	3.83	33.85	5.57	172.34
MBARD Thresholds	82	82	137	137	550	150

Notes:

1: The values for ROG and CO from the flare represent the detection limit. The actual value will be lower.

2: Described as VOC in CEQA Guidelines (Assume ROG is synonymous)

3: Described as NO_X as NO₂ in CEQA Guidelines. Assume all NO_X is NO₂ for this analysis.

4: Describes as SO_X as SO₂ in CEQA Guidelines. Assume all SO_X is SO₂ for this analysis.

Variables						
Project Year	2040					
Waste Delivery Miles - Paved	7,500	1.42	Miles One Way			8,850
Waste Delivery Miles - Graveled	1,350	0.26	Miles One Way			
Construction Access - Unpaved	770	0.15	Miles One Way In	Addition to V	Waste Delivery	
Construction Soil Haul - Unpaved	2,200	0.42	Miles One Way			
Construction Area		9	Acres			
Stockpile Area		5.7	Acres			
Waste Disposal Area		1	Acres	Assume 20	00 x 200 working face	
Assumed Speeds						
Compactor Speed	3	mph				
Dozer Speed	3	mph				
Loader Speed	7.1	mph, AP-42 Default				
Grader Speed	7.1	mph, AP-42 Default				
Off-Road Haul Truck Speed	7.1	mph, AP-42 Default				
Excavator Speed	0	mph	mostly stationary			
Backhoe Speed	0	mph	mostly stationary			
Construction Excavation	6,000	cy				
Construction Excavation	10,020	tons @1.67 t/cy	239	Loads	99.67	Total Miles One way
Daily Cover Excavation	320	cy (2000 tpd waste /0.7	5 x 0.12 cy soil/cy wast	e		
Daily Cover Excavation	534	tons @1.67 t/cy	15	Loads =	6.22	Total Miles One way

Waste Delivery On-Site Emissions - Assuming

See Footnotes on Attachment O1

Table O7.2 - On-Road Support Vehicles	s for Construction or Operat	tions Peak Day						2030 Calend	ar Year with A	ggregate Model	Years and Annu	al Emissions																						
		Vehicle Pro	perties							Emission Factors and Calculations																								
																							Brake						Brake	1 '				
																			Exhaust		Tire Wear		Wear	Brake	Exhaust		Tire Wear	r	Wear	1 '			l	
									RUNEX	RUNEX		STREX	RUNEX	RUNEX	STREX	STREX	RUNLOSS	RUNLOSS	Emissions	Exhaust	Emissions	Tire Wear	Emissions	Wear	Emissions	Exhaust	Emissions	s Tire Wear	Emissions	Brake			l	
						Graveled	Unpayed		Emissions	Emissions	STREX	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Emissions	Factor	Emissions	Factor	Emissions	Factor	Emissions	Factor	Emissions	Factor	Emissions	Factor	Emissions	Emissions	Emissions	Emissions	Emission
			Trip Dist (both	Total Miles	Paved Miles / Day		Miles/Day	Load	Factor NOx	NOx	Emissions	Factor NOx	Factor ROG	ROG	Factor ROG	ROG	Factor ROG	ROG	PM10	PM10	PM10	PM10	PM10	PM10	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	Factor CO	CO	Factor SOx	SOx
On-Road Vehicles	Vehicle Category	Trips/Day	ways)	/ Day	(both ways)	ways)	(both ways)	Factor ⁵	(g/mile)10	(lbs/day)8	NOx (g/trip)	(lb/day)	(g/mile) ¹⁰	(lbs/day) ⁸	(g/trip) ¹⁰	(lbs/day)8	(g/trip) 10	(lbs/day)8	(g/mile) ¹⁰	(lbs/day)8	(g/mile)10	(lbs/day)8	(g/mile)10	(lbs/day)8	(g/mile) ¹⁰	(lbs/day)8	(g/mile)10	(lbs/day)8	(g/mile) ¹⁰	(lbs/day)8	(g/mile)10	(lbs/day)8	(g/mile) ¹⁰	(lbs/day)8
ord Mechanic Truck (DSL)	LHD1	2	7.3	7.3	5.7	1.0	0.6	1	1.79	0.0	0.00	0.000	1.69E-01	0.003	0.00	0.000	0.00	0.000	2.54E-02	0.000	1.20E-02	0.000	7.64E-02	0.001	2.43E-02	0.000	0.003	0.000	0.033	0.001	8.28E-01	0.013	4.96E-03	5E-03
Ford F450 Flat Bed (DSL)	LHD2	1	3.6	3.6	2.8	0.5	0.3	1	1.30	0.0	0.00	0.000	1.56E-01	0.001	0.00	0.000	0.00	0.000	2.65E-02	0.000	1.20E-02	0.000	8.92E-02	0.001	2.54E-02	0.000	0.003	0.038	0.038	0.000	7.72E-01	0.006	5.54E-03	4E-05
Water Truck (DSL) ¹	T6 CAIRP heavy	32	116.6	116.6	90.9	16.4	9.3	1	2.86	0.7	0.00	0.000	1.02E-02	0.003	0.00	0.000	0.00	0.000	1.79E-02	0.005	1.20E-02	0.003	1.30E-01	0.034	1.71E-02	0.004	0.003	0.001	0.001	0.000	8.47E-02	0.022	9.01E-03	2E-03
Support Light Heavy Duty Trucks (2, DSL)	LHD1	4	14.6	14.6	11.4	2.0	1.2	1	1.79	0.1	0.00	0.000	1.69E-01	0.003	0.00	0.000	0.00	0.000	2.54E-02	0.001	1.20E-02	0.000	7.64E-02	0.002	2.43E-02	0.001	0.003	0.000	3.28E-02	0.001	8.28E-01	0.027	4.96E-03	2E-04
Fractor Trailer Delivery (DSL)	T7 CAIRP	1	3.6	3.6	2.8	0.5	0.3	1	2.12	0.0	0.00	0.000	2.02E-02	0.000	0.00	0.000	0.00	0.000	2.86E-02	0.000	3.60E-02	0.000	6.17E-02	0.000	2.74E-02	0.000	0.009	0.000	0.026	0.000	1.88E-01	0.002	1.02E-02	8E-05
Carpool Vehicles (2, Gas)	LDT1	2	7.3	7.3	5.7	1.0	0.6	1	0.03	0.0	0.17	0.001	7.13E-01	0.011	0.21	0.001	0.46	0.002	1.08E-03	0.000	8.00E-03	0.000	3.68E-02	0.001	9.97E-04	0.000	0.002	0.000	0.016	0.000	5.01E-01	0.008	2.52E-03	4E-05
Fotals				153	119.3	21	12			0.849		0.001		0.021		0.001		0.002		0.006		0.004		0.039		0.006		0.039		0.003		0.077		0.008
Prorated by Mile										5.55E-03		5.02E-06		1.37E-04		6.09E-06		1.32E-05		4.10E-05		2.73E-05		2.55E-04		3.93E-05		2.56E-04		1.66E-05		5.06E-04		5.26E-05
No	ote: The values for STREX, HTSK, I	REST, DIURN, RUNL wer	e all zero in the EMF	AC2017 output	t and were not analyze	d.													To	tal PM ₁₀ g/da	y 4.95E-02	Tota	al PM ₁₀ g/mi	3.23E-04	To	otal PM _{2.5} g/day	y 4.78E-0	J2 T	otal PM _{2.5} g/mi	i 3.12E-04				

Note: The values for STREX, HTSK, REST, DIURN, RUNL were all zero in the EMFAC2017 output and were not analyzed. Notes: Assume 2 start per day.

Table O7 3 On Pond Waste Delivery	y On-Site Vehicles Proposed Project Peak Tonnage Day	
Table O7.5 - Oll-Road Waste Deliver	y On-Site venicles i roposeu i roject i cak ronnage Day	

		Site Prope	rties																	Emissi	on Factors an	d Calculation	ns											
		Trips / Day (Peak	Trip Dist (both	Total Miles	Miles on Paved	Miles on Council	Unpaved Miles/Day	Load	RUNEX Emissions Factor NOx	RUNEX Emissions NOx	STREX Emissions	STREX Emissions Factor NOx	RUNEX Emissions	RUNEX Emissions ROG	STREX Emissions Factor ROG	Emissions	RUNLOSS Emissions Factor ROG	Emissions	Exhaust Emissions Factor PM10	Exhaust Emissions PM10	Tire Wear Emissions Factor		Brake Wear Emissions Factor PM10	Emissions	Exhaust Emissions Factor PM2.5	Exhaust Emissions PM2.5	Tire Wear Emissions Factor PM2.5		Brake Wear Emissions Factor PM2.5	Brake Emissions PM2.5	Emissions		Emissions Factor SOx	
On-Road Vehicles	Vehicle Category	Tonnage) from Att K	ways)	/ Day	Road	Miles on Grave Road	(both ways)		(g/mile) ¹⁰		NOx (g/trip)		(g/mile) ¹⁰			(lbs/day) ⁸	(g/trip) ¹⁰	(lbs/day) ⁸		(lbs/day)8	(g/mile) ¹⁰	(lbs/day) ⁸	(g/mile) ¹⁰	(lbs/day) ⁸	(g/mile) ¹⁰		10	(lbs/day)8	10	(lbs/day) ⁸	(g/mile) ¹⁰	_	(g/mile) ¹⁰	
In-County Self Haul/Residential 12	Light/Heavy Duty Trucks (LHD 1 - Gas)	217	727	791	616	111	63	1	0.163	0.261	0.47	0.759	0.027	0.043	0.10	0.166	1.22	1.953	0.002	0.004	0.008	0.013	0.076	0.123	0.002	0.003	0.002	0.003	0.033	0.053	0.524	0.840	0.009	0.015
In-County Commercial Diesel11	T7-SWCV (Dsl)	29	97	105	82	15	8	1	0.464	0.099	5.53	1.180	0.024	0.005	0.00	0.000	0.00	0.000	0.018	0.004	0.036	0.008	0.062	0.013	0.017	0.004	0.009	0.002	0.026	0.006	0.066	0.014	0.028	0.006
In County Commercial CNG	T7-SWCV (NG)	10	34	37	29	5	3	1	0.313	0.023	0.00	0.000	0.043	0.003	0.00	0.000	0.00	0.000	0.003	0.000	0.036	0.003	0.062	0.005	0.003	0.000	0.009	0.001	0.026	0.002	11.219	0.841	0.000	0.000
Out of County Commercial ¹²	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	95	318	346	270	49	28	1	2.120	1.489	2.23	1.566	0.024	0.017	0.00	0.000	0.00	0.000	0.029	0.020	0.036	0.025	0.027	0.019	0.009	0.006	0.009	0.006	0.026	0.019	0.188	0.132	0.010	0.007
TOTALS	<u> </u>	351		1279	997	179.4886364	102			1.872		•		0.069		0.166		1.953		0.028		0.048		0.160		0.014		0.012		0.079		1.827		0.028
Prorated by Mile										1.46E-03		0.00E+00		6.91E-05		1.67E-04		1.96E-03		2.79E-05		4.86E-05		1.60E-04		1.36E-05		1.22E-05		7.90E-05		1.83E-03		2.78E-0

JSRL DEIR Appendix B Attachment O7

Lawrence & Associates 1 of 4

Table O7.4 - Emissions from Off-Road Vehicles for Construction Peak Day	Assur

ssuming 2025 Model Year or Better for PM2.5, CO, and SO2 Assuming Tier 4 final for all equipment over 200 hp

		Vehicl	le Properties											Air Quality	Emission Fac	tors and Calcu	lations				
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/ Model/ Fuel ²	Model Year (motor)	HP ³	Miles /Day	Tier ⁴	Load Factor ⁵	Peak Operating Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp-hr) ⁷	Emissions ROG (lbs/day) ⁹	Exhaust Emissions Factor PM10 (g/bhp-hr) ⁷	Exhaust Emissions PM10 (lbs/day) ⁹	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ⁷		Emissions Factor SO ₂ (g/bhp-hr) ⁷	
Dozer (not used for bulk exc.)	Crawler Tractors	Caterpillar D6T LGP	2025	165	24	3	0.43	8	7	2.32	2.90	0.09	0.11	0.112	0.14	0.138	0.17	3.209	4.02	0.005	0.01
Dozer	Crawler Tractors	Caterpillar D8T Diesel	2025	310	24	4 (Final)	0.43	8	7	0.26	0.61	0.05	0.12	0.009	0.02	0.074	0.17	1.717	4.04	0.005	0.01
Dozer (Stockpile Area)	Crawler Tractors	Caterpillar D6R Diesel	2025	140	12	3	0.43	4	7	2.32	1.23	0.09	0.05	0.112	0.06	0.138	0.07	3.209	1.70	0.005	0.00
Grader (not used for bulk excav.)	Graders	Caterpillar 140G Diesel	2025	150	0	3	0.41	0	7	2.32	0.00	0.09	0.00	0.112	0.00	0.140	0.00	3.418	0.00	0.005	0.00
Loader (Stockpile Area for Screening)	Rubber Tired Loaders	Caterpillar 938M Diesel	2025	190	56.8	3	0.36	8	7	2.32	2.80	0.09	0.11	0.088	0.11	0.045	0.05	1.142	1.38	0.005	0.01
Pad-Foot Compactor	Rollers	Caterpillar 826C Diesel	2025	341	27	4 (Final)	0.38	9	7	0.26	0.67	0.05	0.13	0.009	0.02	0.083	0.21	1.968	5.06	0.005	0.01
Smooth Drum Roller (NA)	Rollers	Caterpillar CS34 Diesel	2025	74	0	3	0.38	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.125	0.00	3.444	0.00	0.005	0.00
Backhoe (NA)	Tractors/Loaders/ Backhoes	Caterpillar 426C Diesel	2025	88	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.112	0.00	0.079	0.00	3.522	0.00	0.005	0.00
Excavator (2)	Excavators	John Deere 350 Diesel	2025	271	0	4 (Final)	0.38	18	7	0.26	1.06	0.05	0.20	0.009	0.04	0.024	0.10	1.051	4.29	0.005	0.02
Screening Plant (Stockpile Area)	Other Construction Equipment	Spyder 514TS Diesel	2025	74	0	3	0.42	9	7	2.74	1.69	0.09	0.06	0.192	0.12	0.187	0.12	3.584	2.21	0.005	0.00
Extended Loader (for liner)	Tractors/Loaders/ Backhoes	JCB 20TC	2025	74	0	3	0.37	0	7	2.74	0.00	0.09	0.00	0.192	0.00	0.079	0.00	3.522	0.00	0.005	0.00
Off-Road Dump/haul truck (3)	Off-Highway Trucks	Caterpillar 740 diesel	2025	453	191.7	4 (Final)	0.38	27	7	0.26	2.66	0.05	0.51	0.009	0.09	0.035	0.36	1.182	12.11	0.005	0.05
Totals											13.63		1.29		0.60		1.26	<u> </u>	34.81		0.11

| Iotals | 13.63 |
Note: Increased time for this analysis
For a typical construction project, it is assumed that highest emissions takes place during the bulk excavation phase - assuming site-specific excavation equipment consisting primarily of two scrapers and a dozer as listed above as Tier 4. Additional equipment listed is support

Table O7.5 Off-Road Vehicles for Operations - Future - 2030

Table O7.5 Off-Road Vehicles for Op	erations - Future - 2030				Assuming 2025 Mode	rear or Better i	or PM2.5, CO, an														
		Vehicle Properties						Operation	Properties					Emis	sion Factors a	nd Calculations					
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	Model Year (motor)	HP ³	Miles Per Day	Tier ⁴	Load Factor ⁵	Peak Hours per Day ⁶	Days of Operation ⁶	Emissions Factor NOx (g/bhp-hr) ⁷	Emissions NOx (lbs/day) ⁹	Emissions Factor ROG (g/bhp-hr) ⁷	Emissions ROG (lbs/day) ⁹	Emissions Factor PM10 (g/bhp-hr) ⁷	(lbe/day)9	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/day) ⁹	Emissions Factor CO (g/bhp-hr) ¹¹		Emissions Factor SO ₂ (g/bhp-hr) ¹¹	Emissions SO ₂ (lbs/day) ⁹
Dozer (Mainline)	Crawler Tractors	Caterpillar D6T LGP	2025	255	10	4 (Final)	0.43	8	7	0.260	0.50	0.050	0.10	0.009	0.02	0.074	0.14	1.717	3.32	0.005	0.01
Dozer (Mainline)	Crawler Tractors	Caterpillar D8T Diesel	2025	310	10	4 (Final)	0.43	8	7	0.260	0.61	0.050	0.12	0.009	0.02	0.074	0.17	1.717	4.04	0.005	0.01
Dozer (Support)	Crawler Tractors	Caterpillar D6R Diesel	2025	200	3	4 (Final)	0.43	2	7	0.260	0.10	0.050	0.02	0.009	0.00	0.088	0.03	1.308	0.50	0.005	0.00
Grader	Graders	Caterpillar 140G Diesel	2025	150	6	4 (Final)	0.41	2	7	7.600	2.06	0.620	0.17	0.274	0.07	0.140	0.04	3.418	0.93	0.005	0.00
Loader	Rubber Tired Loaders	Caterpillar 938M Diesel	2025	182	5	4 (Final)	0.36	2	7	12.090	3.49	1.310	0.38	0.605	0.17	0.104	0.03	1.269	0.37	0.005	0.00
Compactor	Rollers	Caterpillar 826K Diesel	2025	426	9	4 (Final)	0.38	8	7	0.260	0.74	0.050	0.14	0.009	0.03	0.083	0.24	1.968	5.62	0.005	0.01
Compactor	Rollers	Caterpillar 826K Diesel	2025	426	5	4 (Final)	0.38	4	7	0.260	0.37	0.050	0.07	0.009	0.01	0.083	0.12	1.968	2.81	0.005	0.01
Backhoe	Tractors/Loaders/Backhoes	Caterpillar 426C Diesel	2025	81.8	0	4 (Final)	0.37	2	7	0.260	0.03	0.050	0.01	0.009	0.00	0.079	0.01	3.522	0.47	0.005	0.00
Excavator	Excavators	John Deere 350 Diesel	2025	283	0	4 (Final)	0.38	6	7	0.260	0.37	0.050	0.07	0.009	0.01	0.024	0.03	1.051	1.49	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2025	380	22	4 (Final)	0.38	8	7	0.260	0.66	0.050	0.13	0.009	0.02	0.035	0.09	1.182	3.01	0.005	0.01
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2025	380	11	4 (Final)	0.38	4	7	0.260	0.33	0.050	0.06	0.009	0.01	0.035	0.04	1.182	1.51	0.005	0.01
Truck Tipper	Other Construction Equipment	Columbia	2025	156	NA	4 (Final)	0.42	8	7	0.260	0.30	0.050	0.06	0.009	0.01	0.103	0.12	3.136	3.62	0.005	0.01
Street Sweeper	Other Construction Equipment	Elgin 2019	2025	74	NA	4 (Final)	0.42	4	7	2.740	0.75	0.090	0.02	0.009	0.00	0.187	0.05	3.584	0.98	0.005	0.00
Totals											10.33		1.35		0.39		1.12		28.66		0.08

Table 07.6 Fugitive Dust - Paved Operations and Construction Support

		PM ₁₀ Emissions Factor,		Paved Road Const. PM ₁₀ Emissions lb		Paved Road PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	lb per Day ³
In County Public / Self Haul	616	0.135	90%	8.33	0.007	4.22
In/County Commercial	111	0.134	90%	1.49	0.033	3.65
Out of County Commercial	270	0.178	90%	4.79	0.044	11.76
Operations/Support	119	0.135	90%	1.61	0.033	3.96
Current & Proposed				16.22		23.59

Table O7.7 Fugitive Dust - Graveled Operations & Construction

Construction Activity	Road Distance Both Ways	PM ₁₀ Emissions Factor,		Paved Road Const. PM ₁₀ Emissions lb per Day ³	PM _{2.5} Emissions Factor, lb/VMT	Paved Road PM _{2.5} Emissions lb per Day ³
In County Public / Self Haul	111	1.012	90%	11.23	0.101	1.12
In/County Commercial	20	0.134	90%	0.27	0.202	0.40
Out of County Commercial	49	2.290	90%	11.12	0.229	1.11
Construction/Operations Support	21	2.030	90%	4.36	0.203	0.44
Totals				26.98		3.07

Table O7.8 Fugitive Dust - Unpaved Operations

- more of the region of the more of the						
				Paved Road Const. PM ₁₀		Paved Road
		PM ₁₀ Emissions Factor,		Emissions	PM _{2.5} Emissions	PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	per Day ³
Construction Support	12	2.030	90%	2.49	0.262	0.32
Daily Cover Haul Truck	12	4.242	90%	5.27	0.424	0.53
Totals				7.76		0.85

Table O7.9 Fugitive Dust - Unpaved Construction Haul

				Paved Road		
				Const. PM ₁₀		Paved Road
		PM ₁₀ Emissions Factor,		Emissions	PM _{2.5} Emissions	PM _{2.5} Emissions
Construction Activity	Road Distance Both Ways	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	per Day ³
Soil Haul Truck	199	4.242	95%	42.28	0.424	4.23
Totals				42.28		4.23

Table O7.10 Fugitive Dust - Waste Filling Pad (Operations)

				Paved Road		
				Const. PM ₁₀		Paved Road
		PM ₁₀ Emissions Factor,		Emissions lb	PM _{2.5} Emissions	PM _{2.5} Emissions
Construction Activity	VMT	lb/VMT	Control Efficiency	per Day ³	Factor, lb/VMT	lb per Day ³
Grader, Loader, Scraper	11	1.543	90%	1.69	0.227	0.25
Compacting Waste & Dozers	Hr	lb/hr			lb/hr	
Compactor/Dozer	12	0.753	90%	0.93	0.414	0.51
Unloading Daily Cover	Ton	lb/ton			lb/ton	
Daily Cover Unloading	1,069	0.0002	25%	0.19	0.000	0.03
Totals				2.80		0.79

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Table O7.11 Fugitive Dust - Construction Area

		PM ₁₀ Emissions Factor,		Paved Road Const. PM ₁₀ Emissions lb	PM _{2.5} Emissions	Paved Road PM _{2.5} Emissions
Construction Activity	VMT	lb/VMT	Control Efficiency	per Day	Factor, lb/VMT	per Day ³
Loader, grader, scraper	11	1.543	90%	1.69	0.227	0.25
Ripping/Compacting	Hr	lb/hr			lb/hr	
Dozer, Compactor, Grader	12	0.753	90%	0.90	0.414	0.50
Loading	Tons	lb/ton			lb/ton	
Daily Cover Unloading	10,020	0.0002	25%	1.80	0.000	0.27
Totals				4.39		1.02

Table O7.12 Fugitive Dust - Stockpiling Area (including screening)

				Paved Road Const. PM ₁₀ Emissions	PM _{2.5} Emissions	Paved Road PM _{2.5} Emissions
Construction Activity	Hr	Lb/Hr	Control Efficiency	per Day ³	Factor, lb/VMT	per Day ³
Loader (to load screen)	6	1.543	75%	2.31	0.227	0.34
Dozer, Compactor,	6	1.543	75%	2.31	0.414	0.62
Loading	Tons					
Screening	1,010	0.0002	25%	0.18	0.000	0.03
Unloading	10,020	0.0002	25%	1.80	0.000	0.27
Totals				6.61		1.26

- 1: Average trips from Table K1 x miles on paved or unpaved road
 2: Average trips from Table K2 x miles on paved or unpaved road
 3: Assuming (Ep truck x VMT truck) + (Ep car x VMT car)
 4: Assuming (Eup truck x VMT truck) + (Ep car x VMT car)
 5: Assumes regular watering during and/or dust suppressants during dry periods per AP-42 Section 13, Figure 13.2.2-2 Moisture Ratio of 4.25
 6: Assumes 10 delivery and employee trips per project at Proposed Project mileage
 7: Assumes 4,000 cyd/aw (25 cytrip = 160 trips and one mile round trip to sockepile
 8: Assuming (Eup Off-Road Dump x VMT truck) + (Eup Off-Road Car x VMT car)

Dust Emissions Factor Calculation

Paved Road Emission Factor Equation for On-Site Roads

Ep = [k(sL)^0.91 (W)^1.02]x (1-P/4N)

Equation (1) from USEPA, AP-42 Fifth Edition, 2011, Section 13.2.1

- Where:

 Ep = particulate matter factor (having units matching the units of K)

 k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.1-1

 sl. = road surface sit loading (g/m2)

 W = average weight (tons) of the vehicles traveling the road

 P = number of wet days with at least 0.01 inch or precipitation during the averaging period

 N = number of averaging days for period

		In-County		
When:	Out of County Units	Commercial Units	Self Haul	Operations
$k_{2.5} =$	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT	0.00054 lb/VMT
$k_{10} =$	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT	0.0022 lb/VMT
sL=	4.25 g/m2	4.25 g/m2	4.25 g/m2	4.25 g/m2
W =	27.00 tons	20.5 tons	4.4 tons	20.7 tons
On Site P =	1 days	1 days	1 days	1 days
On Site N =	1 days	1 days	1 days	1 days
Then:				
Ep2.5 =	0.044 lb/VMT	0.033 lb/VMT	0.007 lb/VMT	0.033 lb/VMT
Ep10 =	0.178 lb/VMT	0.134 lb/VMT	0.028 lb/VMT	0.135 lb/VMT

Gravel Road Emission Factor

 $E = k * (s/12)^a * (W/3)^b$

Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

- Where:

 Eup = size-specific emission factor (lb/VMT) for unpaved surface
 k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2
 s = surface material silt content (%)
 W = mean vehicle weight (tons)
 a = industrial road constant from AP-42, Table 13.2.2-2
 b = industrial road constant from AP-42, Table 13.2.2-2

		In-County			
When:	Out of County Units	Commercial Units	Self Haul	Operations	
$k_{2.5} =$	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT	0.15 lb/VMT	
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT	1.5 lb/VMT	
$_{S} =$	6.4 %	6.4 %	6.4 %	6.4 %	
W =	27.0 tons	20.5 tons	4.4 tons	20.7 tons	
a =	0.9	0.9	0.9	0.9	
b =	0.45	0.45	0.45	0.45	
Then:					
Eup2.5 =	0.229 lb/VMT	0.202 lb/VMT	0.101 lb/VMT	0.203 lb/VMT	
$E_{UP}10 =$	2.290 lb/VMT	2.023 lb/VMT	1.012 lb/VMT	2.030 lb/VMT	

Unpaved Road Emission Factor

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 $E = k * (s/12)^a * (W/3)^b$

Equation (1a) from USEPA, AP-42 Fifth Edition, 2006, Section 13.2.2

- Equation (1a) from USLIFA, A. INCLINE
 Where:

 Eup = size-specific emission factor (Ib/VMT) for unpaved surface

 k = particle size multiplier for particle size range and units of interest from AP-42 Table 13.2.2-2

 s = surface material silt content (%)

 W = mean vehicle weight (tons)

 a = industrial road constant from AP-42, Table 13.2.2-2

 b = industrial road constant from AP-42, Table 13.2.2-2

 Onerations Units

$k_{2.5} =$	0.15 lb/VMT	0.15 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
$k_{10} =$	1.5 lb/VMT	1.5 lb/VMT	Per AP-42 Table 13.2.2-2 for industrial roads
$_{S} =$	8.5 %	8.5 %	Per AP-42 Table 13.2.2-1 for landfills, mean for
W =	60.3 tons	20.7 tons	Table Q13
a =	0.9	0.9	Per AP-42 Table 13.2.2-2 for industrial roads
b =	0.45	0.45	Per AP-42 Table 13.2.2-2 for industrial roads
Then:			
Eup2.5 =	0.424 lb/VMT	0.262 lb/VMT	
$E_{rm}10 =$	4.242 lb/VMT	2.621 lb/VMT	

Source AP-42 Table 13.2.1-1

Source
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-1 for landfills, mean of graveled roads
Table 02
Per AP-42 Table 13.2.2-2 for industrial roads
Per AP-42 Table 13.2.2-2 for industrial roads

AP-42 Table 13.2.1-1
AP-42 Table 13.2.1-5
Assume surface low range of See Table Q12 below
Assume watered surface equalt to 0.1 in/day
days
Assume watered surface

Assume surface low range of 1.1 on onbound leg and mean of 7.4 on outbound leg from 13.2.1.-3, average of:

4.25

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Table O7.13 Vehicle Weight Assumptions (assumes full load in and empty out)

Category	Type	Percent	GVW, lb	NVW, lb	Average, lb	Av Tons
Small Vehicle (Public /Self Haul)	Ford F250 Gross Weight	NA	9,900	7,700	8,800	4.4
In County Commercial	Garbage Truck	NA	51,000	31,000	41,000	20.5
Out of County Commercial	Waste Transfer Truck	NA	75,000	33,000	54,000	27.0
Support Vehicles For Construction						
Average of:	Miles					
Ford Mechanic Truck (DSL)	2	5%	14,000	8,600	11,300	5.7
Ford F450 Flat Bed (DSL)	1	2%	14,000	8,600	11,300	5.7
Water Truck (DSL), 4,000 gal	32	76%	63,000	29500	46,250	23.1
Support Light Heavy Duty Trucks (2, DSL)	4	10%	14,000	8,600	11,300	5.7
Tractor Trailer Delivery (DSL)	1	2%	75,000	33,000	54,000	37.5
Carpool Vehicles (2, Gas)	2	5%	51,000	31,000	41,000	25.5
Total	42				Weighted Average	20.7
Off Road Dump	CAT 740	NA	162,399	78,632	120,516	60.3

GVW: Gross vehicle weight including load NVWL Net vehicle weight or :"curb weight" without load

US. EPA, Fifth Edition AP-42, Section 13.2.

Grading Equipment Passes Use for graders, loaders, rubber tired dozers, and scrapers to scrape or push soil

$$EF_{PM15}=0.051~x~(S)^{2.0},$$
 and $EF_{PM10}=EF_{PM15}~x~F_{PM10},$ Used for PM_{10}

EF_{TSP} - 0.4 x (S)
$$^{2.5}$$
, and EF _{PM2.5} = EF_{TSP} x F_{PM2.5}, Used for PM_{2.5}

Source: CalEEMod 2020.4.0, Appendix A Page 8

 $\begin{aligned} &Where:\\ &EF=\ emissions\ factor\ (lb/VMT)\\ &S=\ mean\ vehicle\ speed\ (mph)\\ &F_{PM2.5}=PM_{2.5}\ scaling\ factor.\\ &F_{PM10}=PM_{10}\ scaling\ factor. \end{aligned}$ Typical grading areas Acres per day
Crawler Tractors (Dozer) 0.5
Graders 0.5 AP-42 Default = 7.1 AP-42 Default = 0.03 0.6 Rubber -Tired Dozers AP-42 Default = 0.5

1.543 lb/VMT 0.227 lb/VMT

Bulldozers Passes Use for compactors & tracked dozers

$$EF_{PM15} = (C_{PM15}\,x\,\,s^{1.5})\,/\,M^{1.4}\,$$
 , and $EF_{\,PM10} = EF_{PM15}\,x\,\,F_{PM10};\,$ used for PM_{10}

EF_TSP - (C_TSP x s^{1.2})/ M^{1.3} , and EF
$$_{PM2.5}$$
 = EF_TSP x $F_{PM2.5};\;$ used for PM $_{2.5}$

CalEEMod 2020.4.0, Appendix A Page 9

Where:

EF = emissions factor (lb/hr)

C = Coefficient used by AP-42

s = Material silt content (%)

M = Material moisture content (%) $\begin{array}{lll} \textbf{Per AP-42 defaults for Overburden} \\ C_{TSP} = 5.7 & C_{PMI5} = 1 \\ s = 6.90 & AP-42 & Baseline \\ M = 7.90 & AP-42 & Baseline \\ F_{PM2.5} = 0.105 & F_{PM10} = 0.75 \end{array}$ AP-42 default is 0.031

$$\begin{split} F_{PM2.5} &= PM_{2.5} \text{ scaling factor.} \\ F_{PM10} &= PM_{10} \text{ scaling factor.} \end{split}$$
AP-42 default is 0.6

 $EF_{PM10} =$ $EF_{PM2.5} =$ 0.753 lb/hr x hr/day 0.414 lb/hr x hr/day

Truck Loading

 $EF_D = k \times (0.0032) \times ((U/5)^{1.3} / (M/2)^{1.4})$

From CalEEMod Appendix A and AP-42 Section 13.2.4

Where:

EF = emissions factor (lb/ton)

k = Particle size multiplier

Per AP-42 defaults for Overburden

 $PM_{10} = 0.35$ $PM_{2.5} = 0.053$ U = mean wind speed (mph) M = Material moisture content M = 7.90 AP42 Table 13.2.4-1 clay/dirt mix

6.7 mph based on site specific wind data; Mode 30 CY loose, 1.3 CY loose/ CY banked 1.6875 Vey, in place 12 6.000 cy/day 10.125 Vday 500 cy/day 843.75 t/day

Assume: U = Load size = Fluff factor = Banked density = Production = Production =

Screening Production = Screening Production =

2.3945E-04 lb/ton x production = 3.6260E-05 lb/ton x production = EF_{PM2.5} =

While there is no specific screen associated with asphalt paving emissions, CalEEMod estimates VOC off-gassing emissions associated with asphalt paving of parking lots using the following equation: Source CalEEMod Users Manual, 2020, Page 18

 $E_{AP} = EF_{AP} \times A_{Parking}$

Where: E = emissions (lb)

EF = emission factor (lb/acre). The SMAQMD default emission factor is 2.62 lb/acre.16

A = area of the parking lot (acre)

9.17 lb. VOC /acre 3.5 Acres
$$\begin{split} E_{AP} = \\ Acres of New Pavement \\ Das of Construction = \\ E_{AP}d = \end{split}$$
4.585 lb. VOC /day

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John Smith Road Landfill - DEIR Cancer Risk, Chronic Hazards and Acute Hazard Risks Table P-1

1 Summary (Sum of Flare TACs + Fugitive TACs + DPM from Landfill + DPM from JSR)

Exposure Characterization	Cancer Risk	Cancer Risk per Million	Chronic Hazard Index	Acute Hazard Risk	Receptor ID	Year ^A
PMI	1.49E-05	14.88	3.27E-02	7.53E-05	P40	20188/202023,3,7
MEIR	3.59E-06	3.59	7.91E-03	1.99E-05	RP_H31	$2018^8/2019^2/2020^{3,7}$
MEIW	2.20E-07	0.22	7.86E-03	1.51E-05	CR_WP_2	$2018^8/2019^2/2020^{3,7}$
School 1	2.70E-07	0.27	8.96E-04	4.28E-06	CR_SC_13	$2018^{2,3,7}/2020^8$
School 2	1.94E-07	0.19	5.05E-04	3.41E-06	CR_SC_14	$2018^{3,7}/2020^{2,8}$
Nearest Potential Receptor	7.44E-06	7.44	1.64E-02	5.69E-05	G68	2018 ^{2,8} /2020 ^{3,7}

Note: A. Superscripts on year column correspond to the table number, as listed below for the corresponding cancer risk source peak year.

2 Summary - Landfill Flare Emissions at 2,400 CFM

Exposure Characterization	Cancer Risk	Cancer Risk per Million	Chronic Hazard Index	Acute Hazard Risk	Receptor ID	Year
PMI	6.52E-09	0.01	2.08E-05	4.96E-08	P40	2020
MEIR	6.60E-09	0.01	2.10E-05	5.02E-08	RP_H31	2019
MEIW	2.01E-10	0.00	2.10E-05	2.18E-08	CR_WP_2	2019
School 1	2.17E-09	0.00	6.92E-06	1.75E-08	CR_SC_13	2018
School 2	4.30E-10	0.00	1.37E-06	4.68E-09	CR_SC_14	2020
Nearest Potential Receptor	1.50E-08	0.01	4.78E-05	1.14E-07	G68	2018

3 Summary - Landfill Fugitive Emissions at 160 CFM

Exposure Characterization	Cancer Risk	Cancer Risk per Million	Chronic Hazard Index	Acute Hazard Risk	Receptor ID	Year
PMI	9.89E-06	9.89	3.15E-02	7.52E-05	P40	2020
MEIR	2.38E-06	2.38	7.60E-03	1.99E-05	RP_H31	2020
MEIW	1.46E-07	0.15	7.60E-03	1.51E-05	CR_WP_2	2020
School 1	1.93E-07	0.19	8.54E-04	4.27E-06	CR_SC_13	2018
School 2	1.52E-07	0.15	4.84E-04	3.41E-06	CR_SC_14	2018
Nearest Potential Receptor	4.94E-06	4.94	1.57E-02	3.75E-05	G68	2020

4 Summary (Sum of Landfill Gas from Flare at 2,400 CFM + Fugitive Emissions at 160 CFM)

Exposure Characterization	Cancer Risk	Cancer Risk per Million	Chronic Hazard Index	Acute Hazard Risk	Receptor ID	Year ^A
PMI	9.90E-06	9.90	3.15E-02	7.53E-05	P40	$2020^{2,3}$
MEIR	2.39E-06	2.39	7.62E-03	1.99E-05	RP_H31	$2019^2/2020^3$
MEIW	1.46E-07	0.15	7.62E-03	1.51E-05	CR_WP_2	$2019^2/2020^3$
School 1	1.95E-07	0.20	8.61E-04	4.28E-06	CR_SC_13	2018 ^{2,3}
School 2	1.52E-07	0.15	4.85E-04	3.41E-06	CR_SC_14	$2018^3/2020^2$
Nearest Potential Receptor	4.95E-06	4.95	1.58E-02	3.77E-05	G68	2018 ² /2020 ³

Note: A. Superscripts on year column correspond to the table number, as listed above for the corresponding cancer risk source peak year.

5 Nearest Potential Receptor - Landfill Fugitive Emissions at 242 CFM

Exposure Characterization	Cancer Risk	Cancer Risk per Million	Chronic Hazard Index	Acute Hazard Risk	Receptor ID	Year
Nearest Potential Receptor	7.47E-06	7.47	2.38E-02	5.68E-05	G68	2020

John Smith Road Landfill - DEIR Cancer Risk, Chronic Hazards and Acute Hazard Risks Table P-1

6 Summary (Sum of DPM from Landfill + DPM from JSR)

Exposure Characterization	Cancer Risk	Cancer Risk per Million	Chronic Hazard Index	Acute Hazard Risk	Receptor ID	Year ^A
PMI	4.98E-06	4.98	1.18E-03	NA	P40	2018 ⁸ /2020 ⁷
MEIR	1.20E-06	1.20	2.85E-04	NA	RP_H31	2018 ⁸ /2020 ⁷
MEIW	7.45E-08	0.07	2.40E-04	NA	CR_WP_2	2018 ⁸ /2020 ⁷
School 1	7.47E-08	0.07	3.49E-05	NA	CR_SC_13	$2018^7/2020^8$
School 2	4.18E-08	0.04	1.95E-05	NA	CR_SC_14	2018 ⁷ /2020 ⁸
Nearest Potential Receptor	2.49E-06	2.49	5.90E-04	NA	G68	2018 ⁸ /2020 ⁷

Note: A. Superscripts on year column correspond to the table number, as listed below for the corresponding cancer risk source peak year.

7 Cancer Risk DPM from Landfill

Exposure Characterization	Cancer Risk	Cancer Risk per Million	Chronic Hazard Index	Acute Hazard Risk	Receptor ID	Year
PMI	4.98E-06	4.98	1.18E-03	NA	P40	2020
MEIR	1.20E-06	1.20	2.85E-04	NA	RP_H31	2020
MEIW	7.34E-08	0.07	2.39E-04	NA	CR_WP_2	2020
School 1	6.86E-08	0.07	3.20E-05	NA	CR_SC_13	2018
School 2	3.88E-08	0.04	1.81E-05	NA	CR_SC_14	2018
Nearest Potential Receptor	2.49E-06	2.49	5.89E-04	NA	G68	2020

8 Cancer Risk DPM from John Smith Road

Exposure Characterization	Cancer Risk	Cancer Risk per Million	Chronic Hazard Index	Acute Hazard Risk	Receptor ID	Year
PMI	2.08E-09	0.002	4.94E-07	NA	P40	2018
MEIR	1.38E-09	0.001	3.28E-07	NA	RP_H31	2018
MEIW	1.05E-09	0.001	6.59E-07	NA	CR_WP_2	2018
School 1	6.13E-09	0.006	2.86E-06	NA	CR_SC_13	2020
School 2	2.92E-09	0.003	1.36E-06	NA	CR_SC_14	2020
Nearest Potential Receptor	1.48E-09	0.001	3.51E-07	NA	G68	2018

John Smith Road Landfill - DEIR Table P-2A

Summary - Landfill Flare Emissions at 2,400 CFM

Exposure Characterization	Cancer Risk	Cancer Risk per Million	Chronic Hazard Index	Acute Hazard Risk	Receptor ID	Year
PMI	6.52E-09	0.01	2.08E-05	4.96E-08	P40	2020
MEIR	6.60E-09	0.01	2.10E-05	5.02E-08	RP_H31	2019
MEIW	2.01E-10	0.00	2.10E-05	2.18E-08	CR_WP_2	2019
School 1	2.17E-09	0.00	6.92E-06	1.75E-08	CR_SC_13	2018
School 2	4.30E-10	0.00	1.37E-06	4.68E-09	CR_SC_14	2020

John Smith Road Landfill - DEIR Table P-2B

Concentration Summary for Peak Flare Concentration

Peak Yearly Peak (Concentration for R	eceptors			2018	8 Highest Rece	ptors			201	9 Highest Rece	ptors			202	0 Highest Rece	ptors	
Receptor	2018 Peak Concentration (μg/m³)	2019 Peak Concentration (μg/m³)	2020 Peak Concentration (μg/m³)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)
PMI MEIR	0.03106 0.00265	0.03425 0.00639	0.03811 0.00374	P46 RP_H31	Boundary Perimeter 46 House 31	648659	4076384 4077241	208 206	* RP_H1	* House 1	* 648659	* 4077241	* 206	* 	* House 1	* 648659	* 4077241	* 206
MEIW School 1	0.00061	0.00109	0.0007 0.00064	CR_WP_1 CR SC 13	Workplace Rancho Santana School	650902 646059	4076062	215	CR_WP_1 *	Workplace *	650902 *	4076062 *	215	CR_WP_1 *	Workplace *	650902 *	4076062 *	215
School 2	0.00016	0.00015	0.00017		Future School		4075575	158	*	*	*	*	*	*	*	*	*	*

Peak deposition obtained from AERMOD.

Matching High Concentrations to Peak Fugitive Emission Receptors:

			Concentration
Receptor	Receptor ID	Year	$(\mu g/m^3)$
PMI	P40	2020	0.00258
MEIR	RP H31	2020	0.00261

^{*} Same as 2018

John Smith Road Landfill - DEIR Table P-2B_G68

Concentration Summary for Peak Flare Concentration

Peak Yearly Peak C	oncentration for R	eceptors			2018	8 Highest Recep	otors			2019	9 Highest Recep	otors			2020) Highest Rece	otors	
	2018 Peak	2019 Peak	2020 Peak															
	Concentration	Concentration	Concentration			UTM	UTM				UTM	UTM				UTM	UTM	
Receptor	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	Receptor ID	Description	Easting (m)	Northing (m)	Elev (m)	Receptor ID	Description	Easting (m)	Northing (m)	Elev (m)	Receptor ID	Description	Easting (m)	Northing (m)	Elev (m)
Potential Nearest					Grid Receptor													
Receptor	0.00593	0.00568	0.0053	G68	68	650144	4076373	231	*	*	*	*	*	*	*	*	*	*

Peak deposition obtained from AERMOD.

* Same as 2018

John Smith Road Landfill - DEIR

Table P-2C

Calculating Maximum Individual Cancer Risk from Peak Landfill Flare TACs (MICRr)

 $MICR^{[1]} = SUM [CP * Q_{tpv} * \chi/Q * CEF * MP * MWAF * 10^{-6}] =$

Where:

MICR: Maximum Individual Cancer Risk per million

CP: Cancer Potency in (mg/kg day)⁻¹

Qtpy: Emissions Rate in tons per year (tpy)

 χ /Q: Dispersion factor in $(\mu g/m^3)$ /(tpy) calculated using AERMOD for receptor of interest, where Q = 1 ton/yr

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

CEF: Combined Exposure Factor, residential or worker (L/Kg-day)

MPr: Multipathway Adjustment Factor (dimensionless)

10⁻⁶: Micrograms to milligrams conversion and liters to cubic meters conversion.

John Smith Road Landfill Individual Cancer Risk Residential =	PMI 6.52E-09	MEIR 6.60E-09	MEIW 2.01E-10	School 1 2.17E-09	School 2 4.30E-10	
Factors: Dispersion Factor $(\chi/Q)^{[2]} =$	PMI 0.00258	MEIR	MEIW	School 1	School 2	(
_		0.00261	0.00109	0.00086	0.00017	(μg/m ³)/(tpy)
$ \begin{array}{c} \operatorname{CEFr}^{[3]} = \\ \operatorname{CEFw}^{[3]} = \\ \end{array} $	766.78 55.86	(L/kg-day) (L/kg-day)				

CAS No.	Volatile Carcinogenic Compounds ^[A]	MWAF ^[4] =	Q _{tpy} ^[B]	CP (mg/kg day) ⁻¹ [5]	MPr ^[6]	PMI MICR per million	MEIR MICR per million	MEIW MICR per million	School 1 MICR per million	School 2 MICR per million
79-34-5	1, 1, 2, 2-Tetrachloroethane	1	-	2.00E-01	1	-	-	-	-	-
75-34-3	1,1-Dichloroethane (ethylidene dichloride)	1	-	5.70E-03	1	-	-	-	-	-
75-35-4	1,1-Dichloroethene (vinylidene chloride)	1	-	1.00E+00	1	-	-	-	-	-
107-06-2	1,2-Dichloroethane (ethylene dichloride)	1	1.48E-03	7.20E-02	1	2.11E-10	2.14E-10	6.51E-12	7.05E-11	1.39E-11
78-87-5	1,2-Dichloropropane (propylene dichloride)	1	8.51E-05	1.00E+00	1	1.68E-10	1.70E-10	5.18E-12	5.61E-11	1.11E-11
107-13-1	Acrylonitrile	1	-	1.00E+00	1	-	-	-	-	-
71-43-2	Benzene	1	4.39E-03	1.00E-01	1	8.68E-10	8.78E-10	2.67E-11	2.89E-10	5.72E-11
56-23-5	Carbon tetrachloride	1	-	1.50E-01	1	-	-	-	-	-
75-00-3	Chlorodifluoromethane	1	2.25E-03	1.00E+00	1	4.46E-09	4.51E-09	1.37E-10	1.49E-09	2.94E-10
67-66-3	Chloroform	1	-	1.90E-02	1	-	-	-	-	-
106-46-7	Dichlorobenzene (1, 4-dichlorobenzene)	1	2.10E-03	4.00E-02	1	1.66E-10	1.68E-10	5.11E-12	5.54E-11	1.09E-11
75-09-2	Dichloromethane (methylene Chloride)	1	5.54E-04	3.50E-03	1	3.83E-12	3.88E-12	1.18E-13	1.28E-12	2.53E-13
100-41-4	Ethylbenzene	1	1.95E-02	8.70E-03	1	3.36E-10	3.40E-10	1.03E-11	1.12E-10	2.21E-11
106-93-4	Ethylene dibromide (1, 2-dibromoethane)	1	2.83E-04	2.50E-01	1	1.40E-10	1.42E-10	4.31E-12	4.67E-11	9.23E-12
127-18-4	Perchloroethylene (tetrachloroethylene)	1	1.88E-03	2.10E-02	1	7.81E-11	7.90E-11	2.40E-12	2.60E-11	5.15E-12
79-01-6	Trichloroethylene (trichloroethane)	1	7.28E-04	7.00E-03	1	1.01E-11	1.02E-11	3.10E-13	3.36E-12	6.64E-13
75-01-4	Vinyl chloride	1	1.44E-04	2.70E-01	1	7.69E-11	7.78E-11	2.37E-12	2.56E-11	5.07E-12
					Total	6.52E-09	6.60E-09	2.01E-10	2.17E-09	4.30E-10

Highlighted cells indicates assumed values of 1, where no data was available.

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating MICR, Page 12.

^[2] Obtained from AERMOD. Dispersion Factor calculated for annual concentration at residential receptor for location at: PMI at P46 for 2020, MEIR at RP_H1 for 2019, MIEW CR_WP_2 for 2019, School 1 at CR_SC_13 for 2018, and School 2 at CR_SC_14 for 2020. See Table P-2B.

^[3] from SCAQMD Permit Application Package N, Version 8.1 page 14. "Combined Exposure Factor" for 70 years, Table 4.1E

^[4] https://www2.arb.ca.gov/sites/default/files/classic/toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Molecular Weight Adjustment Factor."

^[5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB A pproved Risk Assessment Health Values, "Cancer Potency Factor."

^[6] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors - Cancer, Table 3.1. Assumes inhalation pathway only.

[[]A] Volatile Carcinogenic Compounds derived from Title III Clean Air Act Amendments, 1990, and including compounds found in LFG, as determined by AP 42 Table 2.4-1 "Default Concentrations for Landfill Gas Constituents" and cross-referenced with California Proposition 65.

John Smith Road Landfill - DEIR

Table P-2C G68

Calculating Maximum Individual Cancer Risk from Peak Landfill Flare TACs (MICRr)

$$MICR^{[1]} = SUM [CP * Q_{tpv} * \chi/Q * CEF * MP * MWAF * 10^{-6}] =$$

Where:

MICR: Maximum Individual Cancer Risk per million

CP: Cancer Potency in (mg/kg day)

Qtpy: Emissions Rate in tons per year (tpy)

 χ /Q: Dispersion factor in $(\mu g/m^3)$ /(tpy) calculated using AERMOD for receptor of interest, where Q = 1 ton/yr

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

CEF: Combined Exposure Factor, residential or worker (L/Kg-day)

MPr: Multipathway Adjustment Factor (dimensionless)

 $10^{\text{-6}}$: Micrograms to milligrams conversion and liters to cubic meters conversion.

Potential Nearest Receptor 1.50E-08 John Smith Road Landfill Individual Cancer Risk Residential = **PMI** Factors: Dispersion Factor $(\chi/Q)^{[2]} =$ 0.00593 $(\mu g/m^3)/(tpy)$ CEFr^[3] (L/kg-day) CEFw^[3] 55.86

(L/kg-day)

CAS No.	Volatile Carcinogenic Compounds ^[A]	MWAF ^[4] =	Q _{tpy} ^[B]	CP (mg/kg day) ^{-1 [5]}	MPr ^[6]	PMI MICR per million
79-34-5	1, 1, 2, 2-Tetrachloroethane	1	-	2.00E-01	1	-
75-34-3	1,1-Dichloroethane (ethylidene dichloride)	1	-	5.70E-03	1	-
75-35-4	1,1-Dichloroethene (vinylidene chloride)	1	-	1.00E+00	1	-
107-06-2	1,2-Dichloroethane (ethylene dichloride)	1	1.48E-03	7.20E-02	1	4.86E-10
78-87-5	1,2-Dichloropropane (propylene dichloride)	1	8.51E-05	1.00E+00	1	3.87E-10
107-13-1	Acrylonitrile	1	-	1.00E+00	1	-
71-43-2	Benzene	1	4.39E-03	1.00E-01	1	2.00E-09
56-23-5	Carbon tetrachloride	1	-	1.50E-01	1	-
75-00-3	Chlorodifluoromethane	1	2.25E-03	1.00E+00	1	1.03E-08
67-66-3	Chloroform	1	-	1.90E-02	1	-
106-46-7	Dichlorobenzene (1, 4-dichlorobenzene)	1	2.10E-03	4.00E-02	1	3.82E-10
75-09-2	Dichloromethane (methylene Chloride)	1	5.54E-04	3.50E-03	1	8.81E-12
100-41-4	Ethylbenzene	1	1.95E-02	8.70E-03	1	7.73E-10
106-93-4	Ethylene dibromide (1, 2-dibromoethane)	1	2.83E-04	2.50E-01	1	3.22E-10
127-18-4	Perchloroethylene (tetrachloroethylene)	1	1.88E-03	2.10E-02	1	1.79E-10
79-01-6	Trichloroethylene (trichloroethane)	1	7.28E-04	7.00E-03	1	2.32E-11
75-01-4	Vinyl chloride	1	1.44E-04	2.70E-01	1	1.77E-10
					Total	1.50E-08

Highlighted cells indicates assumed values of 1, where no data was available.

[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment.

Instructions for Calculating MICR, Page 12.

[2] Obtained from AERMOD. Dispersion Factor calculated for annual concentration at residential receptor for location at: PMI at P46 for 2020, MEIR at RP_H1 for 2019, MIEW CR_WP_2

for 2019, School 1 at CR SC 13 for 2018,

and School 2 at CR SC 14 for 2020. See Table P-2B.

[3] from SCAQMD Permit Application Package N, Version 8.1 page 14. "Combined Exposure Factor" for 70 years, Table 4.1E.

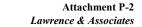
4 https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Molecular Weight Adjustment Factor."

[5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Cancer Potency Factor." [6] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors - Cancer, Table 3.1. Assumes inhalation

pathway only.

[A] Volatile Carcinogenic Compounds derived from Title III Clean Air Act Amendments, 1990, and including compounds found in LFG, as determined by AP

John Smith Road Landfill Page 1 of 1 **DEIR - Appendix B**



$\ \, \textbf{John Smith Road Landfill - DEIR} \\$

Table P-2D

Chronic Hazard Index from Peak Landfill Flare TAC (HIC)

 $HIC^{[1]} = ENDPOINT SUM (Q_{tpy} * \chi/Q * MWAF * MP * (1/REL)) =$

HIC: Hazard Index - Chronic

Qtpy: Emissions Rate in tons per year

 χ/Q : Dispersion factor in $(\mu g/m3)/(tpy)$ calculated using AERMOD for receptor of interest, where Q=1 ton/yr

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

MP: Multipathway Adjustment Factor (dimensionless)

REL: Reference Exposure Level (μg/m³)

HIC Endpoint Sum Summary for Landfill Flare TAC Emissions:

	PMI	MEIR	MEIW	School 1	School 2
Chronic Hazard Endpoint Sum =	2.08E-05	2.10E-05	2.10E-05	6.92E-06	1.37E-06
Receptor ID	P40	RP_H31	CR_WP_2	CR_SC_13	CR_SC_14
Peak Concentration Year	2020	2020	2019	2018	2020

TAC Flow and Adjustment Factors

CAS	TACs ^[2]	$Q_{(tpy)}^{[3]}$	MP ^[4]	MWAF ^[5]
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	-	1	1
75-35-4	1,1-Dichloroethene (vinylidene chloride)	-	1	1
107-06-2	1,2-Dichloroethane (ethylene dichloride)	1.48E-03	1	1
67-63-0	2-propanol (isopropyl alcohol)	1.58E-01	1	1
107-13-1	Acrylonitrile	-	1	1
71-43-2	Benzene	4.39E-03	1	1
75-15-0	Carbon disulfide	8.65E-04	1	1
56-23-5	Carbon tetrachloride	-	1	1
108-90-7	Chlorobenzene	3.87E-04	1	1
75-00-3	Chloroethane (ethyl chloride)	2.25E-03	1	1
67-66-3	Chloroform	-	1	1
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	2.10E-03	1	1
75-09-2	Dichloromethane (methylene chloride)	5.54E-04	1	1
100-41-4	Ethylbenzene	1.95E-02	1	1
106-93-4	Ethylene dibromide (1,2-Dibromaethane)	2.83E-04	1	1
110-54-3	Hexane	5.48E-03	1	1
7439-97-6	Mercury (total)(e)	8.02E-07	1	1
127-18-4	Perchloroethylene (tetrachloroethylene)	1.88E-03	1	1
79-01-6	Trichloroethylene (trichloroethene)	7.28E-04	1	1
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	5.02E-02	1	1
108-88-3	Toluene	9.05E-02	1	1
1330-20-7	Xylenes	4.58E-02	1	1

John Smith Road Landfill - DEIR Table P-2D Chronic Hazard Index from Peak Landfill Flare TAC (HIC)

TAC RELs

CAS	TACs				RELs (μg/	m³) from OEHH	A/ARB ^[6]			
CAS	TACS	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)							1.00E+03		
75-35-4	1,1-Dichloroethene (vinylidene chloride)	7.00E+01								
107-06-2	1,2,Dichloroethane (ethylene dichloride)	4.00E+02								
67-63-0	2-propanol (isopropyl alcohol)						7.00E+03		7.00E+03	
107-13-1	Acrylonitrile									5.00E+03
71-43-2	Benzene					3.00E+00				
75-15-0	Carbon disulfide							8.00E+02	8.00E+02	
56-23-5	Carbon tetrachloride	4.00E+01						4.00E+01	4.00E+01	
108-90-7	Chlorobenzene	1.00E+03					1.00E+03		1.00E+03	
75-00-3	Chloroethane (ethyl chloride)	3.00E+04							3.00E+04	
67-66-3	Chloroform	3.00E+02					3.00E+02		3.00E+02	
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	8.00E+02					8.00E+02	8.00E+02		8.00E+02
75-09-2	Dichloromethane (methylene chloride)		4.00E+02					4.00E+02		
100-41-4	Ethylbenzene	2.00E+03	2.00E+03	2.00E+03			2.00E+03		2.00E+03	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								8.00E-01	
110-54-3	Hexane							7.00E+03		
7439-97-6	Mercury (total)(e)						3.00E-02	3.00E-02	3.00E-02	
127-18-4	Perchloroethylene (tetrachloroethylene)	3.50E+01					3.50E+01			
79-01-6	Trichloroethylene (trichloroethene)	<u>'</u>			6.00E+02			6.00E+02		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	<u>'</u>								9.00E+00
108-88-3	Toluene				4.20E+02					
1330-20-7	Xylenes				7.00E+02			7.00E+02		7.00E+02

John Smith Road Landfill - DEIR Table P-2D

Chronic Hazard Index from Peak Landfill Flare TAC (HIC)

Factors:

PMI Dispersion Factor $(\chi/Q)^{[7]}$ = 0.00258

 $(\mu g/m^3)/(tpy)$

Hazard Indices for PMI

CAS	TACs			H	lazard Indices	s - Chronic (HIC) - Calculated			
CAS	IACS	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	9.58E-09								
67-63-0	2-propanol (isopropyl alcohol)						5.83E-08		5.83E-08	
107-13-1	Acrylonitrile									
71-43-2	Benzene					3.77E-06				
75-15-0	Carbon disulfide							2.79E-09	2.79E-09	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	9.99E-10					9.99E-10		9.99E-10	
75-00-3	Chloroethane (ethyl chloride)	1.94E-10							1.94E-10	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	6.77E-09					6.77E-09	6.77E-09		6.77E-09
75-09-2	Dichloromethane (methylene chloride)		3.57E-09					3.57E-09		
100-41-4	Ethylbenzene	2.52E-08	2.52E-08	2.52E-08			2.52E-08		2.52E-08	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								9.13E-07	
110-54-3	Hexane							2.02E-09		
7439-97-6	Mercury (total)(e)						6.89E-08	6.89E-08	6.89E-08	
127-18-4	Perchloroethylene (tetrachloroethylene)						1.39E-07			
79-01-6	Trichloroethylene (trichloroethene)				3.13E-09			3.13E-09		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)									1.44E-05
108-88-3	Toluene				5.56E-07				_	
1330-20-7	Xylenes				1.69E-07			1.69E-07		1.69E-07
	Endpoint Sum Totals	4.27E-08	2.88E-08	2.52E-08	7.28E-07	3.77E-06	2.99E-07	2.56E-07	1.07E-06	1.46E-05
	Total	2.08E-05								

John Smith Road Landfill - DEIR Table P-2D

Chronic Hazard Index from Peak Landfill Flare TAC (HIC)

MEIR

Dispersion Factor $(\chi/Q)^{[7]}$ =

0.00261

 $(\mu g/m^3)/(tpy)$

Hazard Indices for MEIR

CAS	TACs			Н	lazard Indices	- Chronic (HIC) - Calculated			
CAS	TACS	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	9.69E-09								
67-63-0	2-propanol (isopropyl alcohol)						5.90E-08		5.90E-08	
107-13-1	Acrylonitrile									
71-43-2	Benzene					3.82E-06				
75-15-0	Carbon disulfide							2.82E-09	2.82E-09	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	1.01E-09					1.01E-09		1.01E-09	
75-00-3	Chloroethane (ethyl chloride)	1.96E-10							1.96E-10	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	6.85E-09					6.85E-09	6.85E-09		6.85E-09
75-09-2	Dichloromethane (methylene chloride)		3.61E-09					3.61E-09		
100-41-4	Ethylbenzene	2.55E-08	2.55E-08	2.55E-08			2.55E-08		2.55E-08	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								9.24E-07	
110-54-3	Hexane							0.00E+00		
7439-97-6	Mercury (total)(e)						6.97E-08	6.97E-08	6.97E-08	
127-18-4	Perchloroethylene (tetrachloroethylene)						1.40E-07			
79-01-6	Trichloroethylene (trichloroethene)				3.16E-09			3.16E-09		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			•						1.45E-05
108-88-3	Toluene			•	5.63E-07					
1330-20-7	Xylenes			<u> </u>	1.71E-07		·	1.71E-07		1.71E-07
-	Endpoint Sum Totals	4.32E-08	2.91E-08	2.55E-08	7.36E-07	3.82E-06	3.02E-07	2.57E-07	1.08E-06	1.47E-05
	Total	2.10E-05								

John Smith Road Landfill - DEIR Table P-2D Chronic Hazard Index from Peak Landfill Flare TAC (HIC)

MEIW **Factors:**

Dispersion Factor $(\chi/Q)^{[7]}$ = 0.00109 $(\mu g/m^3)/(tpy)$

Hazard Indices for MEIW

CAS	TAC			Н	Iazard Indices	s - Chronic (HIC) - Calculated			
CAS	TACs	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	4.05E-09								
67-63-0	2-propanol (isopropyl alcohol)						2.46E-08		2.46E-08	
107-13-1	Acrylonitrile									
71-43-2	Benzene					1.59E-06				
75-15-0	Carbon disulfide							1.18E-09	1.18E-09	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	4.22E-10					4.22E-10		4.22E-10	
75-00-3	Chloroethane (ethyl chloride)	8.19E-11							8.19E-11	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	2.86E-09					2.86E-09	2.86E-09		2.86E-09
75-09-2	Dichloromethane (methylene chloride)		1.51E-09					1.51E-09		
100-41-4	Ethylbenzene	1.06E-08	=	1.06E-08			1.06E-08		1.06E-08	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								3.86E-07	
110-54-3	Hexane							0.00E+00		
7439-97-6	Mercury (total)(e)						2.91E-08	2.91E-08	2.91E-08	
127-18-4	Perchloroethylene (tetrachloroethylene)						5.85E-08			
79-01-6	Trichloroethylene (trichloroethene)				1.32E-09			1.32E-09		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)									6.08E-06
108-88-3	Toluene				2.35E-07					
1330-20-7	Xylenes			·	7.12E-08			7.12E-08		7.12E-08
	Endpoint Sum Totals	1.81E-08	1.51E-09	1.06E-08	3.08E-07	1.59E-06	1.26E-07	1.07E-07	4.52E-07	6.15E-06
	Total	8.77E-06		·	·				·	

Lawrence & Associates

John Smith Road Landfill - DEIR Table P-2D

Chronic Hazard Index from Peak Landfill Flare TAC (HIC)

Factors: School 1

Dispersion Factor $(\chi/Q)^{[7]} = 0.00086$ $(\mu g/m^3)/(tpy)$

Hazard Indices for School 1

CAS	TACs	Hazard Indices - Chronic (HIC) - Calculated								
		Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	3.19E-09								
67-63-0	2-propanol (isopropyl alcohol)						1.94E-08		1.94E-08	
107-13-1	Acrylonitrile									
71-43-2	Benzene					1.26E-06				
75-15-0	Carbon disulfide							9.30E-10	9.30E-10	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	3.33E-10					3.33E-10		3.33E-10	
75-00-3	Chloroethane (ethyl chloride)	6.46E-11							6.46E-11	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	2.26E-09					2.26E-09	2.26E-09		2.26E-09
75-09-2	Dichloromethane (methylene chloride)		1.19E-09					1.19E-09		
100-41-4	Ethylbenzene	8.40E-09	-	8.40E-09			8.40E-09		8.40E-09	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								3.04E-07	
110-54-3	Hexane							0.00E+00		
7439-97-6	Mercury (total)(e)						2.30E-08	2.30E-08	2.30E-08	
127-18-4	Perchloroethylene (tetrachloroethylene)						4.62E-08			
79-01-6	Trichloroethylene (trichloroethene)				1.04E-09			1.04E-09		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			<u> </u>			-			4.79E-06
108-88-3	Toluene			<u> </u>	1.85E-07		-			
1330-20-7	Xylenes				5.62E-08			5.62E-08		5.62E-08
	Endpoint Sum Totals	1.42E-08	1.19E-09	8.40E-09	2.43E-07	1.26E-06	9.96E-08	8.46E-08	3.57E-07	4.85E-06
	Total	6.92E-06								

John Smith Road Landfill - DEIR Table P-2D

Chronic Hazard Index from Peak Landfill Flare TAC (HIC)

Factors: School 2

Dispersion Factor $(\chi/Q)^{[7]} = 0.00017$

 $(\mu g/m^3)/(tpy)$

Hazard Indices for School 2

CAS	TACs			Н	Iazard Indices	s - Chronic (HIC) - Calculated	1		
CAS	TACS	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	6.31E-10								
67-63-0	2-propanol (isopropyl alcohol)						3.84E-09		3.84E-09	
107-13-1	Acrylonitrile									
71-43-2	Benzene					2.49E-07				
75-15-0	Carbon disulfide							1.84E-10	1.84E-10	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	6.58E-11					6.58E-11		6.58E-11	
75-00-3	Chloroethane (ethyl chloride)	1.28E-11							1.28E-11	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	4.46E-10					4.46E-10	4.46E-10		4.46E-10
75-09-2	Dichloromethane (methylene chloride)		2.35E-10					2.35E-10		
100-41-4	Ethylbenzene	1.66E-09	-	1.66E-09			1.66E-09		1.66E-09	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								6.02E-08	
110-54-3	Hexane							0.00E+00		
7439-97-6	Mercury (total)(e)						4.54E-09	4.54E-09	4.54E-09	
127-18-4	Perchloroethylene (tetrachloroethylene)						9.13E-09			
79-01-6	Trichloroethylene (trichloroethene)				2.06E-10			2.06E-10		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)						-			9.48E-07
108-88-3	Toluene				3.67E-08					
1330-20-7	Xylenes				1.11E-08			1.11E-08		1.11E-08
•	Endpoint Sum Totals	2.82E-09	2.35E-10	1.66E-09	4.80E-08	2.49E-07	1.97E-08	1.67E-08	7.05E-08	9.59E-07
	Total	1.37E-06								

[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19.

^[2] Toxic Air Contaminants TACs.

^[3] Maximum emission rates in tons per year is the sum of current and future flare potential to emit.

^[4] SCAQMD Permit Application package N, Version 8.1 page 12. "Multipathway adjustment" factors - chronic HI, Table 3.2. No value tabulated, therefore assumed inhalation pathway only.

^[5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1 - "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values."

⁶ https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 - "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

^[7] Obtained from AERMOD. Dispersion Factor calculated for annual concentration at residential receptor for location at: PMI at P46 for 2020, MEIR at RP_H1 for 2019, MIEW CR_WP_2 for 2019, School 1 at CR_SC_13 for 2018, and School 2 at CR_SC_14 for 2020. See Table P-2B.

John Smith Road Landfill - DEIR Table P-2D_G68

Chronic Hazard Index from Peak Landfill Flare TAC (HIC)

 $HIC^{[1]} = ENDPOINT SUM (Q_{tpy} * \chi/Q * MWAF * MP * (1/REL)) =$

HIC: Hazard Index - Chronic

Qtpy: Emissions Rate in tons per year

 χ/Q : Dispersion factor in $(\mu g/m3)/(tpy)$ calculated using AERMOD for receptor of interest, where Q=1 ton/yr

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

MP: Multipathway Adjustment Factor (dimensionless)

REL: Reference Exposure Level (μg/m³)

HIC Endpoint Sum Summary for Landfill Flare TAC Emissions:

	PMI
Chronic Hazard Endpoint Sum =	4.78E-05
Receptor ID	P40
Peak Concentration Year	2020

TAC Flow and Adjustment Factors

CAS	TACs ^[2]	Q _(tpy) [3]	MP ^[4]	MWAF ^[5]
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	-	1	1
75-35-4	1,1-Dichloroethene (vinylidene chloride)	-	1	1
107-06-2	1,2-Dichloroethane (ethylene dichloride)	1.48E-03	1	1
67-63-0	2-propanol (isopropyl alcohol)	1.58E-01	1	1
107-13-1	Acrylonitrile	=	1	1
71-43-2	Benzene	4.39E-03	1	1
75-15-0	Carbon disulfide	8.65E-04	1	1
56-23-5	Carbon tetrachloride	-	1	1
108-90-7	Chlorobenzene	3.87E-04	1	1
75-00-3	Chloroethane (ethyl chloride)	2.25E-03	1	1
67-66-3	Chloroform	=	1	1
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	2.10E-03	1	1
75-09-2	Dichloromethane (methylene chloride)	5.54E-04	1	1
100-41-4	Ethylbenzene	1.95E-02	1	1
106-93-4	Ethylene dibromide (1,2-Dibromaethane)	2.83E-04	1	1
110-54-3	Hexane	5.48E-03	1	1
7439-97-6	Mercury (total)(e)	8.02E-07	1	1
127-18-4	Perchloroethylene (tetrachloroethylene)	1.88E-03	1	1
79-01-6	Trichloroethylene (trichloroethene)	7.28E-04	1	1
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	5.02E-02	1	1
108-88-3	Toluene	9.05E-02	1	1
1330-20-7	Xylenes	4.58E-02	1	1

John Smith Road Landfill - DEIR Table P-2D_G68 Chronic Hazard Index from Peak Landfill Flare TAC (HIC)

TAC RELs

CAS	TACs				RELs (μg/i	m³) from OEHH	A/ARB ^[6]			
CAS	TACS	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)							1.00E+03		
75-35-4	1,1-Dichloroethene (vinylidene chloride)	7.00E+01								
107-06-2	1,2,Dichloroethane (ethylene dichloride)	4.00E+02								
67-63-0	2-propanol (isopropyl alcohol)						7.00E+03		7.00E+03	
107-13-1	Acrylonitrile									5.00E+03
71-43-2	Benzene					3.00E+00				
75-15-0	Carbon disulfide							8.00E+02	8.00E+02	
56-23-5	Carbon tetrachloride	4.00E+01						4.00E+01	4.00E+01	
108-90-7	Chlorobenzene	1.00E+03					1.00E+03		1.00E+03	
75-00-3	Chloroethane (ethyl chloride)	3.00E+04							3.00E+04	
67-66-3	Chloroform	3.00E+02					3.00E+02		3.00E+02	
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	8.00E+02					8.00E+02	8.00E+02		8.00E+02
75-09-2	Dichloromethane (methylene chloride)		4.00E+02					4.00E+02		
100-41-4	Ethylbenzene	2.00E+03	2.00E+03	2.00E+03			2.00E+03		2.00E+03	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								8.00E-01	
110-54-3	Hexane							7.00E+03		
7439-97-6	Mercury (total)(e)						3.00E-02	3.00E-02	3.00E-02	
127-18-4	Perchloroethylene (tetrachloroethylene)	3.50E+01					3.50E+01			
79-01-6	Trichloroethylene (trichloroethene)				6.00E+02			6.00E+02		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)									9.00E+00
108-88-3	Toluene			<u>-</u>	4.20E+02					
1330-20-7	Xylenes				7.00E+02			7.00E+02		7.00E+02

John Smith Road Landfill - DEIR Table P-2D_G68 Chronic Hazard Index from Peak Landfill Flare TAC (HIC)

Potential Nearst

Factors: Receptor

Dispersion Factor $(\gamma/Q)^{[7]} = 0.00593$

 $(\mu g/m^3)/(tpy)$

Hazard Indices for PMI

CAS	TAC			H	Iazard Indices	s - Chronic (HIC) - Calculated			
CAS	TACs	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	2.20E-08								
67-63-0	2-propanol (isopropyl alcohol)						1.34E-07		1.34E-07	
107-13-1	Acrylonitrile									
71-43-2	Benzene					8.67E-06				
75-15-0	Carbon disulfide							6.42E-09	6.42E-09	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	2.30E-09					2.30E-09		2.30E-09	
75-00-3	Chloroethane (ethyl chloride)	4.46E-10							4.46E-10	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	1.56E-08					1.56E-08	1.56E-08		1.56E-08
75-09-2	Dichloromethane (methylene chloride)		8.21E-09					8.21E-09		
100-41-4	Ethylbenzene	5.79E-08	5.79E-08	5.79E-08			5.79E-08		5.79E-08	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								2.10E-06	
110-54-3	Hexane							4.64E-09		
7439-97-6	Mercury (total)(e)						1.58E-07	1.58E-07	1.58E-07	
127-18-4	Perchloroethylene (tetrachloroethylene)						3.18E-07			
79-01-6	Trichloroethylene (trichloroethene)				7.19E-09			7.19E-09		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)									3.31E-05
108-88-3	Toluene				1.28E-06					
1330-20-7	Xylenes			•	3.88E-07			3.88E-07		3.88E-07
	Endpoint Sum Totals	9.82E-08	6.61E-08	5.79E-08	1.67E-06	8.67E-06	6.87E-07	5.88E-07	2.46E-06	3.35E-05
	Total	4.78E-05								

[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19.

^[2] Toxic Air Contaminants TACs.

^[3] Maximum emission rates in tons per year is the sum of current and future flare potential to emit.

^[4] SCAQMD Permit Application package N, Version 8.1 page 12. "Multipathway adjustment" factors - chronic HI, Table 3.2. No value tabulated, therefore assumed inhalation pathway only.

^[5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1 - "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values."

^[6] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 - "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

^[7] Obtained from AERMOD. Dispersion Factor calculated for annual concentration at residential receptor for location at: PMI at P46 for 2020, MEIR at RP_H1 for 2019, MIEW CR_WP_2 for 2019, School 1 at CR_SC_13 for 2018, and School 2 at CR_SC_14 for 2020. See Table P-2B.

Acute Hazard from Peak Flare Emissions (AHI)

$$AHI^{[1]} = ENDPOINT SUM (Qtpy * \chi/Q * MWAF * (1/REL)) =$$

Where:

AHI: Acute Hazard Index

Q_{tov}: Emissions Rate in tons per year

 χ /Q: Dispersion factor in (μ g/m3)/(tpy) calculated using AERMOD for receptor of interest, where Q = 1 ton/yr

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

REL: Reference Exposure Level (μg/m³)

HIC Endpoint Sum Summary for Landfill Flare TAC Emissions:

	PMI	MEIR	MEIW	School 1	School 1
Chronic Hazard Endpoint Sum =	4.96E-08	5.02E-08	2.18E-08	1.75E-08	4.68E-09
Receptor ID	P40	RP_H31	CR_WP_2	CR_SC_13	CR_SC_14
Peak Concentration Year	2020	2019	2019	2018	2020

CAS	TACs ^[2]	$Q_{tpy}^{[3]}$	MWAF ^[5]
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	-	1
67-63-0	2-propanol (isopropyl alcohol)	4.55E-03	1
71-43-2	Benzene	1.26E-04	1
75-15-0	Carbon disulfide	2.49E-05	1
56-23-5	Carbon tetrachloride	-	1
67-66-3	Chloroform	-	1
75-09-2	Dichloromethane (methylene Chloride)	1.59E-05	1
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	1.44E-03	1
7439-97-6	Mercury (total)(e)	2.31E-08	1
78-93-3	Methyl ethyl ketone	2.73E-04	1
127-18-4	Perchloroethylene (tetrachloroethylene)	5.41E-05	1
108-88-3	Toluene	2.60E-03	1
75-01-4	Vinyl chloride	4.14E-06	1
1330-20-7	Xylenes	1.32E-03	1

John Smith Road Landfill, Hollister CA

Table P-2E

Acute Hazard from Peak Flare Emissions (AHI)

Acute Hazard RELs

CAS	TACs			REI	Ls (μg/m³) from (OEHHA/ARI	3 ^[6]		
CHS	mes	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nervous	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)						6.80E+04		
67-63-0	2-propanol (isopropyl alcohol)						3.20E+03		
71-43-2	Benzene				2.70E+01	2.70E+01		2.70E+01	
75-15-0	Carbon disulfide						6.20E+03	6.20E+03	
56-23-5	Carbon tetrachloride	1.90E+03					1.90E+03	1.90E+03	
67-66-3	Chloroform						1.50E+03	1.50E+02	1.50E+02
75-09-2	Dichloromethane (methylene Chloride)		1.40E+04				1.40E+04		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			2.10E+03					2.10E+03
7439-97-6	Mercury (total)(e)						6.00E-01	6.00E-01	
78-93-3	Methyl ethyl ketone			1.30E+04					1.30E+04
127-18-4	Perchloroethylene (tetrachloroethylene)			2.00E+04			2.00E+04		2.00E+04
108-88-3	Toluene			5.00E+03			5.00E+03	5.00E+03	5.00E+03
75-01-4	Vinyl chloride			1.80E+05			1.80E+05		1.80E+05
1330-20-7	Xylenes			2.20E+04		•	2.20E+04		2.20E+04

Acute Hazard from Peak Flare Emissions (AHI)

Factors: PMI

Dispersion Factor $(\chi/Q)^{[7]}$ =

0.00258 $(\mu g/m^3)/(tpy)$

Acute Hazard Calculated for PMI

CAS	TACs			Haza	ard Indices - Chr	onic (calculat	ed)		
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						3.67E-09		
71-43-2	Benzene				1.21E-08	1.21E-08		1.21E-08	
75-15-0	Carbon disulfide						1.04E-11	1.04E-11	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		2.94E-12				2.94E-12		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			1.77E-09					1.77E-09
7439-97-6	Mercury (total)(e)						9.92E-11	9.92E-11	
78-93-3	Methyl ethyl ketone			5.41E-11					5.41E-11
127-18-4	Perchloroethylene (tetrachloroethylene)			6.98E-12			6.98E-12		6.98E-12
108-88-3	Toluene			1.34E-09			1.34E-09	1.34E-09	1.34E-09
75-01-4	Vinyl chloride			5.94E-14			5.94E-14		5.94E-14
1330-20-7	Xylenes			1.54E-10			1.54E-10		1.54E-10
	Endpoint Sum Totals	0.00E+00	2.94E-12	3.33E-09	1.21E-08	1.21E-08	5.29E-09	1.35E-08	3.33E-09

John Smith Road Landfill, Hollister CA Table P-2E Acute Hazard from Peak Flare Emissions (AHI)

Factors: MEIR
Dispersion Factor $(\chi/Q)^{[7]} = 0.00261$

 $(\mu g/m^3)/(tpy)$

Acute Hazard Calculated for MEIR

CAS	TACs			Haza	ard Indices - Chr	onic (calculat	red)		
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						3.71E-09		
71-43-2	Benzene				1.22E-08	1.22E-08		1.22E-08	
75-15-0	Carbon disulfide						1.05E-11	1.05E-11	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		2.94E-12				2.97E-12		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			1.79E-09					1.79E-09
7439-97-6	Mercury (total)(e)						1.00E-10	1.00E-10	
78-93-3	Methyl ethyl ketone			5.47E-11					5.47E-11
127-18-4	Perchloroethylene (tetrachloroethylene)			7.06E-12			6.98E-12		7.06E-12
108-88-3	Toluene			1.36E-09			1.34E-09	1.36E-09	1.36E-09
75-01-4	Vinyl chloride			6.00E-14			5.94E-14		6.00E-14
1330-20-7	Xylenes			1.56E-10			1.54E-10		1.56E-10
	Endpoint Sum Totals	0.00E+00	2.94E-12	3.37E-09	1.22E-08	1.22E-08	5.33E-09	1.37E-08	3.37E-09
	Total	5.02E-08							

Acute Hazard from Peak Flare Emissions (AHI)

Factors: MEIW

Dispersion Factor $(\chi/Q)^{[7]}$ =

0.00109

 $(\mu g/m^3)/(tpy)$

Acute Hazard Calculated for MEIW

CAS	TACs			Haza	rd Indices - Chr	onic (calculat	red)		
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						1.55E-09		
71-43-2	Benzene				5.10E-09	5.10E-09		5.10E-09	
75-15-0	Carbon disulfide						4.38E-12	4.38E-12	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		2.94E-12				1.24E-12		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			7.49E-10					7.49E-10
7439-97-6	Mercury (total)(e)						4.19E-11	4.19E-11	
78-93-3	Methyl ethyl ketone			2.28E-11					2.28E-11
127-18-4	Perchloroethylene (tetrachloroethylene)			2.95E-12			6.98E-12		2.95E-12
108-88-3	Toluene			5.68E-10			1.34E-09	5.68E-10	5.68E-10
75-01-4	Vinyl chloride			2.51E-14			5.94E-14		2.51E-14
1330-20-7	Xylenes			6.52E-11			1.54E-10		6.52E-11
	Endpoint Sum Totals	0.00E+00	2.94E-12	1.41E-09	5.10E-09	5.10E-09	3.10E-09	5.71E-09	1.41E-09

Total 2.18E-08

Acute Hazard from Peak Flare Emissions (AHI)

Factors: School 1

Dispersion Factor $(\chi/Q)^{[7]} =$

0.00086

 $(\mu g/m^3)/(tpy)$

Acute Hazard Calculated for School 1

CAS	TACs			Haza	rd Indices - Chr	onic (calculat	ed)		
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						1.22E-09		
71-43-2	Benzene				4.02E-09	4.02E-09		4.02E-09	
75-15-0	Carbon disulfide						3.45E-12	3.45E-12	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		2.94E-12				9.79E-13		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			5.91E-10					5.91E-10
7439-97-6	Mercury (total)(e)						3.31E-11	3.31E-11	
78-93-3	Methyl ethyl ketone			1.80E-11					1.80E-11
127-18-4	Perchloroethylene (tetrachloroethylene)			2.33E-12			6.98E-12		2.33E-12
108-88-3	Toluene			4.48E-10			1.34E-09	4.48E-10	4.48E-10
75-01-4	Vinyl chloride			1.98E-14		·	5.94E-14		1.98E-14
1330-20-7	Xylenes			5.14E-11			1.54E-10		5.14E-11
	Endpoint Sum Totals	0.00E+00	2.94E-12	1.11E-09	4.02E-09	4.02E-09	2.77E-09	4.51E-09	1.11E-09

Total 1.75E-08

Acute Hazard from Peak Flare Emissions (AHI)

Factors: School 2

Dispersion Factor $(\chi/Q)^{[7]}$ =

0.00017

 $(\mu g/m^3)/(tpy)$

Acute Hazard Calculated for School 2

CAS	TACs			Haza	rd Indices - Chr	onic (calculat	red)		
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						2.42E-10		
71-43-2	Benzene				7.95E-10	7.95E-10		7.95E-10	
75-15-0	Carbon disulfide						6.83E-13	6.83E-13	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		2.94E-12				1.93E-13		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			1.17E-10					1.17E-10
7439-97-6	Mercury (total)(e)						6.53E-12	6.53E-12	
78-93-3	Methyl ethyl ketone			3.56E-12					3.56E-12
127-18-4	Perchloroethylene (tetrachloroethylene)			4.60E-13			6.98E-12		4.60E-13
108-88-3	Toluene			8.86E-11			1.34E-09	8.86E-11	8.86E-11
75-01-4	Vinyl chloride			3.91E-15			5.94E-14		3.91E-15
1330-20-7	Xylenes			1.02E-11			1.54E-10		1.02E-11
	Endpoint Sum Totals	0.00E+00	2.94E-12	2.20E-10	7.95E-10	7.95E-10	1.75E-09	8.91E-10	2.20E-10
	Total	4.68E-09				•	•	•	•

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19.

^[2] Toxic Air Contaminants TACs.

^[3] Maximum emission rates in tons per year is the sum of current and future flare potential to emit.

^[4] SCAQMD Permit Application package N, Version 8.1 page 10. "Multipathway adjustment" factors - chronic HI, Table 3.2. No value tabulated, therefore assumed inhalation pathway only.

^[5] https://ww2.arb.ca.gov/sites/default/files/classic/toxics/healthval/contable.pdf, Table 1 - "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values."

⁶ https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 - "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

^[7] Dispersion Factor calculated by AERMOD. See Table P-2B.

John Smith Road Landfill, Hollister CA Table P-2E_G68 Acute Hazard from Peak Flare Emissions (AHI)

$$AHI^{[1]} = ENDPOINT SUM (Qtpy * \chi/Q * MWAF * (1/REL)) =$$

Where:

AHI: Acute Hazard Index

Q_{tov}: Emissions Rate in tons per year

 χ /Q: Dispersion factor in (µg/m3)/(tpy) calculated using AERMOD for receptor of interest, where Q = 1 ton/yr

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

REL: Reference Exposure Level (μg/m³)

HIC Endpoint Sum Summary for Landfill Flare TAC Emissions:

	PMI
Chronic Hazard Endpoint Sum =	1.14E-07
Receptor ID	P40
Peak Concentration Year	2020

CAS	TACs ^[2]	$Q_{tpy}^{[3]}$	MWAF ^[5]
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	-	1
67-63-0	2-propanol (isopropyl alcohol)	4.55E-03	1
71-43-2	Benzene	1.26E-04	1
75-15-0	Carbon disulfide	2.49E-05	1
56-23-5	Carbon tetrachloride	-	1
67-66-3	Chloroform	-	1
75-09-2	Dichloromethane (methylene Chloride)	1.59E-05	1
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	1.44E-03	1
7439-97-6	Mercury (total)(e)	2.31E-08	1
78-93-3	Methyl ethyl ketone	2.73E-04	1
127-18-4	Perchloroethylene (tetrachloroethylene)	5.41E-05	1
108-88-3	Toluene	2.60E-03	1
75-01-4	Vinyl chloride	4.14E-06	1
1330-20-7	Xylenes	1.32E-03	1

Acute Hazard from Peak Flare Emissions (AHI)

Acute Hazard RELs

CAS	TACs	RELs (μg/m³) from OEHHA/ARB ^[6]											
CHS	mes	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nervous	Reproductive	Respiratory				
71-55-6	1,1,1-Trichloroethane (methyl chloroform)						6.80E+04						
67-63-0	2-propanol (isopropyl alcohol)						3.20E+03						
71-43-2	Benzene				2.70E+01	2.70E+01		2.70E+01					
75-15-0	Carbon disulfide						6.20E+03	6.20E+03					
56-23-5	Carbon tetrachloride	1.90E+03					1.90E+03	1.90E+03					
67-66-3	Chloroform						1.50E+03	1.50E+02	1.50E+02				
75-09-2	Dichloromethane (methylene Chloride)		1.40E+04				1.40E+04						
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			2.10E+03					2.10E+03				
7439-97-6	Mercury (total)(e)						6.00E-01	6.00E-01					
78-93-3	Methyl ethyl ketone			1.30E+04					1.30E+04				
127-18-4	Perchloroethylene (tetrachloroethylene)			2.00E+04			2.00E+04		2.00E+04				
108-88-3	Toluene			5.00E+03			5.00E+03	5.00E+03	5.00E+03				
75-01-4	Vinyl chloride			1.80E+05			1.80E+05		1.80E+05				
1330-20-7	Xylenes			2.20E+04		•	2.20E+04		2.20E+04				

John Smith Road Landfill, Hollister CA Table P-2E_G68 Acute Hazard from Peak Flare Emissions (AHI)

Nearest **Potential**

Factors:

Receptor Dispersion Factor $(\chi/Q)^{[7]}$ = 0.00593

 $(\mu g/m^3)/(tpy)$

Acute Hazard Calculated for PMI

CAS	TACs	Hazard Indices - Chronic (calculated)											
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory				
71-55-6	1,1,1-Trichloroethane (methyl chloroform)												
67-63-0	2-propanol (isopropyl alcohol)						8.44E-09						
71-43-2	Benzene				2.77E-08	2.77E-08		2.77E-08					
75-15-0	Carbon disulfide						2.38E-11	2.38E-11					
56-23-5	Carbon tetrachloride												
67-66-3	Chloroform												
75-09-2	Dichloromethane (methylene Chloride)		6.75E-12				6.75E-12						
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			4.08E-09					4.08E-09				
7439-97-6	Mercury (total)(e)						2.28E-10	2.28E-10					
78-93-3	Methyl ethyl ketone			1.24E-10					1.24E-10				
127-18-4	Perchloroethylene (tetrachloroethylene)			1.60E-11			1.60E-11		1.60E-11				
108-88-3	Toluene			3.09E-09			3.09E-09	3.09E-09	3.09E-09				
75-01-4	Vinyl chloride			1.36E-13			1.36E-13		1.36E-13				
1330-20-7	Xylenes			3.55E-10			3.55E-10		3.55E-10				
	Endpoint Sum Totals	0.00E+00	6.75E-12	7.66E-09	2.77E-08	2.77E-08	1.22E-08	3.11E-08	7.66E-09				
	Total	1.14E-07											

[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19.

[2] Toxic Air Contaminants TACs.

[3] Maximum emission rates in tons per year is the sum of current and future flare potential to emit.

[4] SCAQMD Permit Application package N, Version 8.1 page 10. "Multipathway adjustment" factors - chronic HI, Table 3.2. No value tabulated, therefore assumed inhalation pathway only. [5] https://ww2.arb.ca.gov/sites/default/files/classic/toxics/healthval/contable.pdf, Table 1 - "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values."

[6] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 - "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

[7] Dispersion Factor calculated by AERMOD. See Table P-2B.

John Smith Road Landfill - DEIR Table P-2F Potential-to-Emit Estimates for Proposed LFG Flare

Variables:

Model Input Variables:										
Methane Content	50.0%									
Max LFG Collection Rate to Flare	2,400	DSCFM								
(based on 75% of peak 5,500 dscfm rate)										

Conversion Factors*

Imperial Ton	2,000.00 lbs.
lb.	453.60 grams
hour	60.00 min
hour	3,600.00 sec
day	24.00 hrs.
12 months	365.00 days
mol conversion	24.04 L @ 20° C
cubic foot	28.32 L
MMBtu	1,000,000.00 Btu

^{*} Assume Ideal Gas Law at Standard Atmospheric Pressure & Temperature for all calculations, conversions, and constants.

CAS No.	HAPs Compounds ^[1]	Molecular weight (g/Mol) ^[2]	Ave. Concentration of Compounds Found in LFG at Inlet (ppmv) ^[3]	Pollutant Flow Rate to Flare (ton/year) ^[4]	Flare Destruction Efficiency ^[5]	Maximum Emissions from Flare (tons/yr.) ^[6]	
100-41-4	Ethylbenzene	106.16	5.62E+00	9.76E-01	98.00%	1.95E-02	
106-46-7	Dichlorobenzene (1, 4-dichlorobenzene)	147	4.36E-01	1.05E-01	98.00%	2.10E-03	
106-93-4	Ethylene dibromide (1, 2-dibromoethane)	187.88	4.60E-02	1.42E-02	98.00%	2.83E-04	
107-06-2	1,2-Dichloroethane (ethylene dichloride)	98.96	4.58E-01	7.42E-02	98.00%	1.48E-03	
107-13-1	Acrylonitrile	53.06	=	-	98.00%	-	
108-88-3	Toluene	92.13	3.00E+01	4.53E+00	98.00%	9.05E-02	
108-90-7	Chlorobenzene	112.56	1.05E-01	1.94E-02	98.00%	3.87E-04	
110-54-3	Hexane	86.18	1.94E+00	2.74E-01	98.00%	5.48E-03	
127-18-4	Perchloroethylene (tetrachloroethene)	165.83	3.46E-01	9.40E-02	98.00%	1.88E-03	
1330-20-7	Xylenes	106.16	1.32E+01	2.29E+00	98.00%	4.58E-02	
56-23-5	Carbon tetrachloride	153.84	-	-	98.00%	-	
67-63-0	2-propanol (isopropyl alcohol)	60.11	8.04E+01	7.91E+00	98.00%	1.58E-01	
67-66-3	Chloroform	119.39	-	-	98.00%	-	
71-43-2	Benzene	78.11	1.72E+00	2.19E-01	98.00%	4.39E-03	
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	133.41	-	-	98.00%	-	
7439-97-6	Mercury (total)(e)	200.59	1.22E-04	4.01E-05	98.00%	8.02E-07	
75-00-3	Chlorodifluoromethane	86.47	7.96E-01	1.13E-01	98.00%	2.25E-03	
75-01-4	Vinyl chloride	62.5	7.03E-02	7.20E-03	98.00%	1.44E-04	
75-09-2	Dichloromethane (methylene Chloride)	84.94	1.99E-01	2.77E-02	98.00%	5.54E-04	
75-15-0	Carbon disulfide	76.13	3.47E-01	4.33E-02	98.00%	8.65E-04	
75-34-3	1,1-Dichloroethane (ethylidene dichloride)	98.97	-	-	98.00%	-	
75-35-4	1,1-Dichloroethene (vinylidene chloride)	96.94	-	-	98.00%	-	
7647-01-0	Hydrogen Chloride (Hydrochloric Acid) ^[7]	36.46	4.20E+01	2.51E+00	98.00%	5.02E-02	
	1,2-Dichloropropane (propylene dichloride)	112.99	2.30E-02	4.26E-03	98.00%	8.51E-05	
78-93-3	Methyl ethyl ketone	72.11	4.01E+00	4.74E-01	98.00%	9.47E-03	
79-01-6	Trichloroethylene (trichloroethane)	131.4	1.69E-01	3.64E-02	98.00%	7.28E-04	
79-34-5	1, 1, 2, 2-Tetrachloroethane	167.85	-	_	98.00%	-	

See Notes on Following Page

Notes

- [1] List Hazardous Air Pollutants (HAPs) per Title III Clean Air Act Amendments, 1990, and include compounds found in landfill gas, per AP-42 Table 2.4-1 "Default Concentrations for LFG Constituents."
- [2] Molecular weight obtained from AP-42 Table 2.4-1 "Default Concentrations for LFG Constituents."
- [3] Constituent concentration obtained from flare test conducted on June 22, 2020 By AtmAA Inc.
- [5] Flare Destruction Efficiency based on regulatory thresholds (99%).
- [6] Maximum Emissions from flare calculated using Equation 1, multiplied by the inverse Flare Destruction Efficiency and converted to corresponding units.
- [7] Concentration of HCL is based on AP-42 default, 2.4.4.2, (11/98)
- "Indicates compounds found in trace amounts, or less than detectable testing limits amounting to negligible results.

Yellow highlight data from AP-42 (2008) Tables 2.4-1 AND 2.4-1 "Default Concentrations for LFG Constituents with waste in place on or after 1992".

Example Calculation (Equation 1)

Total Pollutant Flow Rate (To Flare) = ((Concentration of compound [ppmv]/1,000,000)) * (Molecular Weight of Compound [g/mol]) * (Total LFG to Flare [cfm])

*(60 min * 24 hr. * 365 days) * (1 ton/2,000 lbs.)* (1 lb./ 453.6 g) * (1 mol/24.04L) * (28.32 L/1 CF)

John Smith Road Landfill - DEIR Table P-2F_G68 Potential-to-Emit Estimates for Proposed LFG Flare

Variables:

Model Input Variables:										
Methane Content	50.0%									
Max LFG Collection Rate to Flare	2,400	DSCFM								
(based on 75% of peak 5,500 dscfm rate)										

Conversion Factors*

Imperial Ton	2,000.00 lbs.
lb.	453.60 grams
hour	60.00 min
hour	3,600.00 sec
day	24.00 hrs.
12 months	365.00 days
mol conversion	24.04 L @ 20° C
cubic foot	28.32 L
MMBtu	1,000,000.00 Btu

^{*} Assume Ideal Gas Law at Standard Atmospheric Pressure & Temperature for all calculations, conversions, and constants.

CAS No.	HAPs Compounds ^[1]	Molecular weight (g/Mol) ^[2]	Ave. Concentration of Compounds Found in LFG at Inlet (ppmv) ^[3]	Pollutant Flow Rate to Flare (ton/year) ^[4]	Flare Destruction Efficiency ^[5]	Maximum Emissions from Flare (tons/yr.) ^[6]	
100-41-4	Ethylbenzene	106.16	5.62E+00	9.76E-01	98.00%	1.95E-02	
106-46-7	Dichlorobenzene (1, 4-dichlorobenzene)	147	4.36E-01	1.05E-01	98.00%	2.10E-03	
106-93-4	Ethylene dibromide (1, 2-dibromoethane)	187.88	4.60E-02	1.42E-02	98.00%	2.83E-04	
107-06-2	1,2-Dichloroethane (ethylene dichloride)	98.96	4.58E-01	7.42E-02	98.00%	1.48E-03	
107-13-1	Acrylonitrile	53.06	=	-	98.00%	-	
108-88-3	Toluene	92.13	3.00E+01	4.53E+00	98.00%	9.05E-02	
108-90-7	Chlorobenzene	112.56	1.05E-01	1.94E-02	98.00%	3.87E-04	
110-54-3	Hexane	86.18	1.94E+00	2.74E-01	98.00%	5.48E-03	
127-18-4	Perchloroethylene (tetrachloroethene)	165.83	3.46E-01	9.40E-02	98.00%	1.88E-03	
1330-20-7	Xylenes	106.16	1.32E+01	2.29E+00	98.00%	4.58E-02	
56-23-5	Carbon tetrachloride	153.84	-	-	98.00%	-	
67-63-0	2-propanol (isopropyl alcohol)	60.11	8.04E+01	7.91E+00	98.00%	1.58E-01	
67-66-3	Chloroform	119.39	-	-	98.00%	-	
71-43-2	Benzene	78.11	1.72E+00	2.19E-01	98.00%	4.39E-03	
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	133.41	-	-	98.00%	-	
7439-97-6	Mercury (total)(e)	200.59	1.22E-04	4.01E-05	98.00%	8.02E-07	
75-00-3	Chlorodifluoromethane	86.47	7.96E-01	1.13E-01	98.00%	2.25E-03	
75-01-4	Vinyl chloride	62.5	7.03E-02	7.20E-03	98.00%	1.44E-04	
75-09-2	Dichloromethane (methylene Chloride)	84.94	1.99E-01	2.77E-02	98.00%	5.54E-04	
75-15-0	Carbon disulfide	76.13	3.47E-01	4.33E-02	98.00%	8.65E-04	
75-34-3	1,1-Dichloroethane (ethylidene dichloride)	98.97	-	-	98.00%	-	
75-35-4	1,1-Dichloroethene (vinylidene chloride)	96.94	-	-	98.00%	-	
7647-01-0	Hydrogen Chloride (Hydrochloric Acid) ^[7]	36.46	4.20E+01	2.51E+00	98.00%	5.02E-02	
	1,2-Dichloropropane (propylene dichloride)	112.99	2.30E-02	4.26E-03	98.00%	8.51E-05	
78-93-3	Methyl ethyl ketone	72.11	4.01E+00	4.74E-01	98.00%	9.47E-03	
79-01-6	Trichloroethylene (trichloroethane)	131.4	1.69E-01	3.64E-02	98.00%	7.28E-04	
79-34-5	1, 1, 2, 2-Tetrachloroethane	167.85	-	_	98.00%	-	

See Notes on Following Page

Notes

- [1] List Hazardous Air Pollutants (HAPs) per Title III Clean Air Act Amendments, 1990, and include compounds found in landfill gas, per AP-42 Table 2.4-1 "Default Concentrations for LFG Constituents."
- [2] Molecular weight obtained from AP-42 Table 2.4-1 "Default Concentrations for LFG Constituents."
- [3] Constituent concentration obtained from flare test conducted on June 22, 2020 By AtmAA Inc.
- [5] Flare Destruction Efficiency based on regulatory thresholds (99%).
- [6] Maximum Emissions from flare calculated using Equation 1, multiplied by the inverse Flare Destruction Efficiency and converted to corresponding units.
- [7] Concentration of HCL is based on AP-42 default, 2.4.4.2, (11/98)
- "Indicates compounds found in trace amounts, or less than detectable testing limits amounting to negligible results.

Yellow highlight data from AP-42 (2008) Tables 2.4-1 AND 2.4-1 "Default Concentrations for LFG Constituents with waste in place on or after 1992".

Example Calculation (Equation 1)

Total Pollutant Flow Rate (To Flare) = ((Concentration of compound [ppmv]/1,000,000)) * (Molecular Weight of Compound [g/mol]) * (Total LFG to Flare [cfm])

*(60 min * 24 hr. * 365 days) * (1 ton/2,000 lbs.)* (1 lb./ 453.6 g) * (1 mol/24.04L) * (28.32 L/1 CF)

John Smith Road Landfill - DEIR

Table P-2G

Concentration Summary for Landfill Fugitive TACs Emissions

Peak Yearly DPM	Deposition for Reco	eptors			201	18 Highest Recep	otors			201	19 Highest Recep	otors		2020 Highest Receptors				
Receptor	2018 Peak Dispersion Factors (µg/m³)	2019 Peak Dispersion Factors (µg/m³)	2020 Peak Dispersion Factors (µg/m³)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)
					Boundary													
PMI	12,408,169	10,870,574	12,924,632	P40	Permiter 40	649980	4076627	215	*	*	*	*	*	*	*	*	*	*
MEIR	2,806,308	2,484,311	3,116,868	RP_H31	House 31	648659	4077241	206	*	*	*	*	*	*	*	*	*	*
MEIW	2,029,204	2,274,519	2,615,205	CR_WP_2	Nearest Workplace	648949	4077938	189	*	*	*	*	*	*	*	*	*	*
School 1	350,639	188,442	244,067	CR_SC_13	Rancho Santana School	646059	4078443	129	*	*	*	*	*	*	*	*	*	*
School 2	198,589	125,121	175,355	CR_SC_14	Future School	647269	4075575	158	*	*	*	*	*	*	*	*	*	*

Peak deposition obtained from AERMOD.

^{*} Same as 2018

John Smith Road Landfill - DEIR

Table P-2G_G68

Concentration Summary for Landfill Fugitive TACs Emissions

Peak Yearly Deposit	tion for Receptors				201	8 Highest Recep	otors			201	9 Highest Recep	otors			Receptor ID Description UTM Easting (m) Northing (m)			
	2018 Peak Dispersion	2019 Peak Dispersion	2020 Peak Dispersion			UTM Easting	UTM				UTM Easting					UTM Easting	_	
Receptor	Factors (µg/m³)	Factors (µg/m³)	Factors (µg/m ³)	Receptor ID	Description	(m)	Northing (m)	Elev (m)	Receptor ID	Description	(m)	Northing (m)	Elev (m)	Receptor ID	Description	(m)	Northing (m)	Elev (m)
Nearest Potential					Grid Receptor													
Receptor	5,808,936	5,349,452	6,450,904	G68	68	649980	4076373	231	*	*	*	*	*	*	*	*	*	*

Peak deposition obtained from AERMOD.

^{*} Same as 2018

John Smith Road Landfill - DEIR Table P-2G_G68_242CFM

Concentration Summary for Landfill Fugitive TACs Emissions

Peak Yearly Deposit	tion for Receptors				201	8 Highest Recep	otors			201	9 Highest Recep	otors			2020 Highest Receptors UTM Easting UTM Receptor ID Description (m) Northing (m)			
Receptor	2018 Peak Dispersion Factors (µg/m³)	2019 Peak Dispersion Factors (µg/m³)	2020 Peak Dispersion Factors (µg/m³)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)	Receptor ID				Elev (m)
Nearest Potential					Grid Receptor													
Receptor	5,808,936	5,349,452	6,450,904	G68	68	649980	4076373	231	*	*	*	*	*	*	*	*	*	*

Peak deposition obtained from AERMOD.

^{*} Same as 2018

John Smith Road Landfill - DEIR

Table P-2H

Calculating Maximum Individual Cancer Risk from Landfill Fugitive TACs Emissions (MICRr)

 $MICR^{[1]} = SUM [CP * Q_{tpv} * \chi/Q * CEF * MP * MWAF * 10^{-6}] =$

Where:

MICR: Maximum Individual Cancer Risk per million

CP: Cancer Potency in (mg/kg day)⁻¹

Qtpy: Emissions Rate in tons per year (tpy)

 χ /Q: Dispersion factor in (μ g/m³)/(lb/hr-sf) calculated using AERMOD for receptor of interest, where Q = 1 lb/hr-sf

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

CEF: Combined Exposure Factor, residential or worker (L/Kg-day)

MPr: Multipathway Adjustment Factor (dimensionless)

10⁻⁶: Micrograms to milligrams conversion and liters to cubic meters conversion.

John Smith Road Landfill Individual Cancer Risk =	PMI 9.89E-06	MEIR 2.38E-06	MEIW 1.46E-07	School 1 1.93E-07	School 2 1.52E-07	
Factors: Dispersion Factor $(\chi/Q)^{[2]} =$	PMI 1.29E+07	MEIR 3.12E+06	MEIW 2.62E+06	School 1 3.51E+05	School 2 1.99E+05	$(\mu g/m^3)/(lb/hr-sf)$
$ CEFr^{[3]} = CEFw^{[3]} = $	766.78 55.86	(L/kg-day) (L/kg-day)				

CAS No.	Volatile Carcinogenic Compounds ^[A]	MWAF ^[4] =	Q _{tpy} [B]	CP (mg/kg day) ⁻¹ [5]	MPr ^[6]	PMI MICR	MEIR MICR	MEIW MICR	School 1 MICR	School 2 MICR
79-34-5	1, 1, 2, 2-Tetrachloroethane	1	-	2.00E-01	1	-	-	-	-	-
75-34-3	1,1-Dichloroethane (ethylidene dichloride)	1	-	5.70E-03	1	-	-	-	-	-
75-35-4	1,1-Dichloroethene (vinylidene chloride)	1	-	1.00E+00	1	-	-	-	-	-
107-06-2	1,2-Dichloroethane (ethylene dichloride)	1	4.50E-10	7.20E-02	1	3.21E-07	7.74E-08	4.73E-09	8.70E-09	4.93E-09
78-87-5	1,2-Dichloropropane (propylene dichloride)	1	2.58E-11	1.00E+00	1	2.55E-07	6.16E-08	3.77E-09	6.93E-09	3.93E-09
107-13-1	Acrylonitrile	1	-	1.00E+00	1	-	-	-	-	-
71-43-2	Benzene	1	1.33E-09	1.00E-01	1	1.32E-06	3.18E-07	1.94E-08	3.57E-08	2.02E-08
56-23-5	Carbon tetrachloride	1	-	1.50E-01	1	-	-	-	-	-
75-00-3	Chlorodifluoromethane	1	6.83E-10	1.00E+00	1	6.77E-06	1.63E-06	9.97E-08	1.84E-07	1.04E-07
67-66-3	Chloroform	1	-	1.90E-02	1	-	-	-	-	-
106-46-7	Dichlorobenzene (1, 4-dichlorobenzene)	1	6.36E-10	4.00E-02	1	2.52E-07	6.08E-08	3.71E-09	6.84E-09	3.87E-09
75-09-2	Dichloromethane (methylene Chloride)	1	1.68E-10	3.50E-03	1	5.82E-09	1.40E-09	8.57E-11	1.58E-10	8.94E-11
100-41-4	Ethylbenzene	1	5.91E-09	8.70E-03	1	5.10E-07	1.23E-07	7.51E-09	1.38E-08	7.83E-09
106-93-4	Ethylene dibromide (1, 2-dibromoethane)	1	8.57E-11	2.50E-01	1	2.12E-07	5.12E-08	3.13E-09	5.76E-09	3.26E-09
127-18-4	Perchloroethylene (tetrachloroethylene)	1	5.69E-10	2.10E-02	1	1.18E-07	2.86E-08	1.75E-09	3.21E-09	1.82E-09
79-01-6	Trichloroethylene (trichloroethane)	1	2.20E-10	7.00E-03	1	1.53E-08	3.69E-09	2.25E-10	4.15E-10	2.35E-10
75-01-4	Vinyl chloride	1	4.36E-11	2.70E-01	1	1.17E-07	2.81E-08	1.72E-09	3.16E-09	1.79E-09
					Total	9.89E-06	2.38E-06	1.46E-07	2.68E-07	1.52E-07

Highlighted cells indicates assumed values of 1, where no data was available.

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment,

Instructions for Calculating MICR, Page 12.

^[2] Obtained from AERMOD. See Table P-2G.

^[3] from SCAQMD Permit Application Package N, Version 8.1 page 14. "Combined Exposure Factor" for 70 years, Table 4.1E.

^[4] https://ww2.arb.ca.gov/sites/default/files/classic/toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Molecular Weight Adjustment Factor."

^[5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Cancer Potency Factor."

^[6] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors - Cancer, Table 3.1. Assumes inhalation pathway only.

[[]A] Volatile Carcinogenic Compounds derived from Title III Clean Air Act Amendments, 1990, and including compounds found in LFG, as determined by AP 42 Table 2.4-1 "Default Concentrations for Landfill Gas Constituents" and cross-referenced with California Proposition 65.

[[]B] Maximum emissions rate (tons/year) obtained from Table P-1.7.

John Smith Road Landfill - DEIR

Table P-2H G68

Calculating Maximum Individual Cancer Risk from Landfill Fugitive TACs Emissions (MICRr)

$$MICR^{[1]} = SUM [CP * Q_{tpy} * \chi/Q * CEF * MP * MWAF * 10^{-6}] =$$

Where:

MICR: Maximum Individual Cancer Risk per million

CP: Cancer Potency in (mg/kg day)⁻¹

Qtpy: Emissions Rate in tons per year (tpy)

 χ /Q: Dispersion factor in (µg/m³)/(lb/hr-sf) calculated using AERMOD for receptor of interest, where Q = 1 lb/hr-sf MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

CEF: Combined Exposure Factor, residential or worker (L/Kg-day)

MPr: Multipathway Adjustment Factor (dimensionless)

10⁻⁶: Micrograms to milligrams conversion and liters to cubic meters conversion.

Nearest **Potential**

Receptor

John Smith Road Landfill Individual Cancer Risk = 4.94E-06

> **PMI Factors:** Dispersion Factor $(\chi/Q)^{[2]} = 6.45E+06$ $(\mu g/m^3)/(lb/hr-sf)$ CEFr^[3] 766.78 (L/kg-day) CEFw^[3] 55.86 (L/kg-day)

CAS No.	Volatile Carcinogenic Compounds ^[A]	MWAF ^[4] =	Q _{tpy} ^[B]	CP (mg/kg day) ^{-1 [5]}	MPr ^[6]	PMI MICR
79-34-5	1, 1, 2, 2-Tetrachloroethane	1	-	2.00E-01	1	-
75-34-3	1,1-Dichloroethane (ethylidene dichloride)	1	-	5.70E-03	1	-
75-35-4	1,1-Dichloroethene (vinylidene chloride)	1	-	1.00E+00	1	-
107-06-2	1,2-Dichloroethane (ethylene dichloride)	1	4.50E-10	7.20E-02	1	1.60E-07
78-87-5	1,2-Dichloropropane (propylene dichloride)	1	2.58E-11	1.00E+00	1	1.28E-07
107-13-1	Acrylonitrile	1	-	1.00E+00	1	-
71-43-2	Benzene	1	1.33E-09	1.00E-01	1	6.57E-07
56-23-5	Carbon tetrachloride	1	-	1.50E-01	1	-
75-00-3	Chlorodifluoromethane	1	6.83E-10	1.00E+00	1	3.38E-06
67-66-3	Chloroform	1	-	1.90E-02	1	-
106-46-7	Dichlorobenzene (1, 4-dichlorobenzene)	1	6.36E-10	4.00E-02	1	1.26E-07
75-09-2	Dichloromethane (methylene Chloride)	1	1.68E-10	3.50E-03	1	2.90E-09
100-41-4	Ethylbenzene	1	5.91E-09	8.70E-03	1	2.54E-07
106-93-4	Ethylene dibromide (1, 2-dibromoethane)	1	8.57E-11	2.50E-01	1	1.06E-07
127-18-4	Perchloroethylene (tetrachloroethylene)	1	5.69E-10	2.10E-02	1	5.91E-08
79-01-6	Trichloroethylene (trichloroethane)	1	2.20E-10	7.00E-03	1	7.63E-09
75-01-4	Vinyl chloride	1	4.36E-11	2.70E-01	1	5.82E-08

4.94E-06 Total

Highlighted cells indicates assumed values of 1, where no data was available.

- [1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating MICR, Page 12.
 [2] Obtained from AERMOD. See Table P-2G.
- [3] from SCAQMD Permit Application Package N, Version 8.1 page 14. "Combined Exposure Factor" for 70 years, Table 4.1E.
- [4] https://ww2.arb.ca.gov/sites/default/files/classic/toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Molecular Weight Adjustment Factor."
- [5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB A pproved Risk Assessment Health Values, "Cancer Potency Factor."
- [6] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors Cancer, Table 3.1. Assumes inhalation
- [A] Volatile Carcinogenic Compounds derived from Title III Clean Air Act Amendments, 1990, and including compounds found in LFG, as determined by AP 42 Table 2.4-1 "Default Concentrations for Landfill Gas Constituents" and cross-referenced with California Proposition 65.
- [B] Maximum emissions rate (tons/year) obtained from Table P-1.7.

John Smith Road Landfill - DEIR Table P-2H G68 242CFM

Calculating Maximum Individual Cancer Risk from Landfill Fugitive TACs Emissions (MICRr)

 $MICR^{[1]} = SUM [CP * Q_{tpy} * \chi/Q * CEF * MP * MWAF * 10^{-6}] =$

Where:

MICR: Maximum Individual Cancer Risk per million

CP: Cancer Potency in (mg/kg day)⁻¹

Qtpy: Emissions Rate in tons per year (tpy)

 χ /Q: Dispersion factor in $(\mu g/m^3)/(lb/hr-sf)$ calculated using AERMOD for receptor of interest, where Q = 1 lb/hr-sf

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

CEF: Combined Exposure Factor, residential or worker (L/Kg-day)

MPr: Multipathway Adjustment Factor (dimensionless)

 10^{-6} : Micrograms to milligrams conversion and liters to cubic meters conversion.

Nearest Potential Receptor John Smith Road Landfill Individual Cancer Risk = 7.47E-06

> Factors: Dispersion Factor $(\chi/Q)^{[2]} = 6.45E+06 (\mu g/m^3)/(lb/hr-sf)$ CEFr^[3] (L/kg-day) CEFw^[3] (L/kg-day)

CAS No.	Volatile Carcinogenic Compounds ^[A]	MWAF ^[4] =	Q _{tpy} ^[B]	CP (mg/kg day) ⁻¹ [5]	MPr ^[6]	PMI MICR
79-34-5	1, 1, 2, 2-Tetrachloroethane	1	-	2.00E-01	1	-
75-34-3	1,1-Dichloroethane (ethylidene dichloride)	1	-	5.70E-03	1	-
75-35-4	1,1-Dichloroethene (vinylidene chloride)	1	-	1.00E+00	1	-
107-06-2	1,2-Dichloroethane (ethylene dichloride)	1	6.80E-10	7.20E-02	1	2.42E-07
78-87-5	1,2-Dichloropropane (propylene dichloride)	1	3.90E-11	1.00E+00	1	1.93E-07
107-13-1	Acrylonitrile	1	-	1.00E+00	1	-
71-43-2	Benzene	1	2.01E-09	1.00E-01	1	9.94E-07
56-23-5	Carbon tetrachloride	1	-	1.50E-01	1	-
75-00-3	Chlorodifluoromethane	1	1.03E-09	1.00E+00	1	5.11E-06
67-66-3	Chloroform	1	-	1.90E-02	1	-
106-46-7	Dichlorobenzene (1, 4-dichlorobenzene)	1	9.62E-10	4.00E-02	1	1.90E-07
75-09-2	Dichloromethane (methylene Chloride)	1	2.54E-10	3.50E-03	1	4.39E-09
100-41-4	Ethylbenzene	1	8.94E-09	8.70E-03	1	3.85E-07
106-93-4	Ethylene dibromide (1, 2-dibromoethane)	1	1.30E-10	2.50E-01	1	1.60E-07
127-18-4	Perchloroethylene (tetrachloroethylene)	1	8.61E-10	2.10E-02	1	8.94E-08
79-01-6	Trichloroethylene (trichloroethane)	1	3.33E-10	7.00E-03	1	1.15E-08
75-01-4	Vinyl chloride	1	6.59E-11	2.70E-01	1	8.80E-08
		-		-	Total	7.47E-06

Highlighted cells indicates assumed values of 1, where no data was available.

John Smith Road Landfill Attachment P-1 Page 1 of 1 DEIR - Appendix B Lawrence & Associates

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment,

Instructions for Calculating MICR, Page 12. [2] Obtained from AERMOD. See Table P-2G.

^[3] from SCAQMD Permit Application Package N, Version 8.1 page 14. "Combined Exposure Factor" for 70 years, Table 4.1E.
[4] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB A pproved Risk Assessment Health Values, "Molecular Weight Adjustment Factor."

^[5] https://ww2.arb.ca.gov/sites/default/files/classic/toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB A pproved Risk Assessment Health Values, "Cancer Potency Factor."

^[6] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors - Cancer, Table 3.1. Assumes inhalation pathway only.

[[]A] Volatile Carcinogenic Compounds derived from Title III Clean Air Act Amendments, 1990, and including compounds found in LFG, as determined by AP 42 Table 2.4-1 "Default Concentrations for Landfill Gas Constituents" and cross-referenced with California Proposition 65.

[[]B] Maximum emissions rate (tons/year) obtained from Table P-1.7.

John Smith Road Landfill - DEIR

Table P-2I

Chronic Hazard Index from Landfill Fugitive TACs Emissions (HIC)

 $HIC^{[1]} = ENDPOINT SUM (Q_{tpy} * \chi/Q * MWAF * MP * (1/REL)) =$

HIC: Hazard Index - Chronic

Qtpy: Emissions Rate in tons per year

 χ /Q: Dispersion factor in (μ g/m3)/(lb/hr-sf) calculated using AERMOD for receptor of interest, where Q = 1 lb/hr-sf MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

MP: Multipathway Adjustment Factor (dimensionless)

REL: Reference Exposure Level (μg/m³)

HIC Endpoint Sum Summary for Landfill Flare TAC Emissions:

	PMI	MEIR	MEIW	School 1	School 1
Chronic Hazard Endpoint Sum =	0.031518	0.007600	0.007600	0.000854	0.000484
Receptor ID	P40	RP_H31	CR_WP_2	CR_SC_13	CR_SC_14
Peak Concentration Year	2020	2019	2019	2018	2020

CAS	TACs ^[2]	Q _(lb/hr-sf) ^[3]	MP ^[4]	MWAF ^[5]
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	-	1	1
75-35-4	1,1-Dichloroethene (vinylidene chloride)	-	1	1
107-06-2	1,2-Dichloroethane (ethylene dichloride)	4.50E-10	1	1
67-63-0	2-propanol (isopropyl alcohol)	4.79E-08	1	1
107-13-1	Acrylonitrile	-	1	1
71-43-2	Benzene	1.33E-09	1	1
75-15-0	Carbon disulfide	2.62E-10	1	1
56-23-5	Carbon tetrachloride	-	1	1
108-90-7	Chlorobenzene	1.17E-10	1	1
75-00-3	Chloroethane (ethyl chloride)	6.83E-10	1	1
67-66-3	Chloroform	-	1	1
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	6.36E-10	1	1
75-09-2	Dichloromethane (methylene chloride)	1.68E-10	1	1
100-41-4	Ethylbenzene	5.91E-09	1	1
106-93-4	Ethylene dibromide (1,2-Dibromaethane)	8.57E-11	1	1
110-54-3	Hexane	1.66E-09	1	1
7439-97-6	Mercury (total)(e)	2.43E-13	1	1
127-18-4	Perchloroethylene (tetrachloroethylene)	5.69E-10	1	1
79-01-6	Trichloroethylene (trichloroethene)	2.20E-10	1	1
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	1.52E-08	1	1
108-88-3	Toluene	2.74E-08	1	1
1330-20-7	Xylenes	1.39E-08	1	1

John Smith Road Landfill - DEIR Table P-2I Chronic Hazard Index from Landfill Fugitive TACs Emissions (HIC)

CAS	TACs				RELs (μg/i	m³) from OEHH	A/ARB ^[6]			
CAS	TACS	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)							1.00E+03		
75-35-4	1,1-Dichloroethene (vinylidene chloride)	7.00E+01								
107-06-2	1,2,Dichloroethane (ethylene dichloride)	4.00E+02								
67-63-0	2-propanol (isopropyl alcohol)						7.00E+03		7.00E+03	
107-13-1	Acrylonitrile									5.00E+03
71-43-2	Benzene					3.00E+00				
75-15-0	Carbon disulfide							8.00E+02	8.00E+02	
56-23-5	Carbon tetrachloride	4.00E+01						4.00E+01	4.00E+01	
108-90-7	Chlorobenzene	1.00E+03					1.00E+03		1.00E+03	
75-00-3	Chloroethane (ethyl chloride)	3.00E+04							3.00E+04	
67-66-3	Chloroform	3.00E+02					3.00E+02		3.00E+02	
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	8.00E+02					8.00E+02	8.00E+02		8.00E+02
75-09-2	Dichloromethane (methylene chloride)		4.00E+02					4.00E+02		
100-41-4	Ethylbenzene	2.00E+03	2.00E+03	2.00E+03			2.00E+03		2.00E+03	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								8.00E-01	
110-54-3	Hexane							7.00E+03		
7439-97-6	Mercury (total)(e)						3.00E-02	3.00E-02	3.00E-02	
127-18-4	Perchloroethylene (tetrachloroethylene)	3.50E+01					3.50E+01			
79-01-6	Trichloroethylene (trichloroethene)				6.00E+02			6.00E+02		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)									9.00E+00
108-88-3	Toluene				4.20E+02					
1330-20-7	Xylenes			•	7.00E+02			7.00E+02		7.00E+02

John Smith Road Landfill - DEIR Table P-2I Chronic Hazard Index from Landfill Fugitive TACs Emissions (HIC)

Factors: PMI
Dispersion Factor $(\chi/Q)^{[7]} = \frac{1.29E+07}{(\mu g/m^3)/(lb/hr-sf)}$

CAS	TACs			H	lazard Indices	- Chronic (HIC) - Calculated			
CAS	IACS	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	1.45E-05								
67-63-0	2-propanol (isopropyl alcohol)						8.85E-05		8.85E-05	
107-13-1	Acrylonitrile									
71-43-2	Benzene					5.72E-03				
75-15-0	Carbon disulfide							4.23E-06	4.23E-06	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	1.52E-06					1.52E-06		1.52E-06	
75-00-3	Chloroethane (ethyl chloride)	2.94E-07							2.94E-07	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	1.03E-05					1.03E-05	1.03E-05		1.03E-05
75-09-2	Dichloromethane (methylene chloride)		5.42E-06					5.42E-06		
100-41-4	Ethylbenzene	3.82E-05	3.82E-05	3.82E-05			3.82E-05		3.82E-05	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								1.38E-03	
110-54-3	Hexane							3.06E-06		
7439-97-6	Mercury (total)(e)						1.05E-04	1.05E-04	1.05E-04	
127-18-4	Perchloroethylene (tetrachloroethylene)						2.10E-04			
79-01-6	Trichloroethylene (trichloroethene)				4.74E-06			4.74E-06		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)									2.18E-02
108-88-3	Toluene				8.44E-04					
1330-20-7	Xylenes				2.56E-04		-	2.56E-04		2.56E-04
	Endpoint Sum Totals	6.48E-05	4.36E-05	3.82E-05	1.10E-03	5.72E-03	4.53E-04	3.88E-04	1.62E-03	2.21E-02
	Total	3.15E-02				·	·	·		·

John Smith Road Landfill - DEIR Table P-2I

Chronic Hazard Index from Landfill Fugitive TACs Emissions (HIC)

Factors: MEIR

Dispersion Factor $(\chi/Q)^{[7]} = \frac{3.12E+06}{(\mu g/m^3)/(lb/hr-sf)}$

CAS	TACs			Н	Iazard Indices	s - Chronic (HIC) - Calculated			
CAS	TACS	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	3.50E-06								
67-63-0	2-propanol (isopropyl alcohol)						2.13E-05		2.13E-05	
107-13-1	Acrylonitrile									
71-43-2	Benzene					1.38E-03				
75-15-0	Carbon disulfide							1.02E-06	1.02E-06	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	3.65E-07					3.65E-07		3.65E-07	
75-00-3	Chloroethane (ethyl chloride)	7.09E-08							7.09E-08	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	2.48E-06					2.48E-06	2.48E-06		2.48E-06
75-09-2	Dichloromethane (methylene chloride)		1.31E-06					1.31E-06		
100-41-4	Ethylbenzene	9.21E-06	9.21E-06	9.21E-06			9.21E-06		9.21E-06	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								3.34E-04	
110-54-3	Hexane							0.00E+00		
7439-97-6	Mercury (total)(e)						2.52E-05	2.52E-05	2.52E-05	
127-18-4	Perchloroethylene (tetrachloroethylene)						5.07E-05			
79-01-6	Trichloroethylene (trichloroethene)				1.14E-06			1.14E-06		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			-	-		-		-	5.26E-03
108-88-3	Toluene				2.03E-04					
1330-20-7	Xylenes				6.17E-05			6.17E-05		6.17E-05
	Endpoint Sum Totals	1.56E-05	1.05E-05	9.21E-06	2.66E-04	1.38E-03	1.09E-04	9.28E-05	3.91E-04	5.32E-03
	Total	7.60E-03								

John Smith Road Landfill - DEIR Table P-2I **Chronic Hazard Index from Landfill Fugitive TACs Emissions (HIC)**

MEIW **Factors:**

Dispersion Factor $(\chi/Q)^{[7]} = 2.62E+06$ $(\mu g/m^3)/(lb/hr-sf)$

0.40	T.C.			Н	lazard Indices	- Chronic (HIC) - Calculated			
CAS	TACs	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	2.94E-06								
67-63-0	2-propanol (isopropyl alcohol)						1.79E-05		1.79E-05	
107-13-1	Acrylonitrile									
71-43-2	Benzene					1.16E-03				
75-15-0	Carbon disulfide							8.57E-07	8.57E-07	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	3.07E-07					3.07E-07		3.07E-07	
75-00-3	Chloroethane (ethyl chloride)	5.95E-08							5.95E-08	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	2.08E-06					2.08E-06	2.08E-06		2.08E-06
75-09-2	Dichloromethane (methylene chloride)		1.10E-06					1.10E-06		
100-41-4	Ethylbenzene	7.73E-06	-	7.73E-06			7.73E-06		7.73E-06	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								2.80E-04	
110-54-3	Hexane							0.00E+00		
7439-97-6	Mercury (total)(e)						2.12E-05	2.12E-05	2.12E-05	
127-18-4	Perchloroethylene (tetrachloroethylene)						4.25E-05			
79-01-6	Trichloroethylene (trichloroethene)				9.60E-07			9.60E-07		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)									4.41E-03
108-88-3	Toluene				1.71E-04					
1330-20-7	Xylenes				5.18E-05		-	5.18E-05		5.18E-05
-	Endpoint Sum Totals	1.31E-05	1.10E-06	7.73E-06	2.23E-04	1.16E-03	9.17E-05	7.79E-05	3.28E-04	4.47E-03
	Total	6.37E-03								

John Smith Road Landfill - DEIR Table P-2I

Chronic Hazard Index from Landfill Fugitive TACs Emissions (HIC)

Factors: School 1

Dispersion Factor $(\chi/Q)^{[7]} = \frac{3.51E+05}{(\mu g/m^3)/(lb/hr-sf)}$

CAS	TACs	Hazard Indices - Chronic (HIC) - Calculated								
		Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	3.94E-07								
67-63-0	2-propanol (isopropyl alcohol)						2.40E-06		2.40E-06	
107-13-1	Acrylonitrile									
71-43-2	Benzene					1.55E-04				
75-15-0	Carbon disulfide							1.15E-07	1.15E-07	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	4.11E-08					4.11E-08		4.11E-08	
75-00-3	Chloroethane (ethyl chloride)	7.98E-09							7.98E-09	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	2.79E-07					2.79E-07	2.79E-07		2.79E-07
75-09-2	Dichloromethane (methylene chloride)		1.47E-07					1.47E-07		
100-41-4	Ethylbenzene	1.04E-06	-	1.04E-06			1.04E-06		1.04E-06	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								3.76E-05	
110-54-3	Hexane							0.00E+00		
7439-97-6	Mercury (total)(e)						2.84E-06	2.84E-06	2.84E-06	
127-18-4	Perchloroethylene (tetrachloroethylene)						5.70E-06			
79-01-6	Trichloroethylene (trichloroethene)				1.29E-07			1.29E-07		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)									5.92E-04
108-88-3	Toluene				2.29E-05					
1330-20-7	Xylenes				6.94E-06			6.94E-06		6.94E-06
•	Endpoint Sum Totals	1.76E-06	1.47E-07	1.04E-06	3.00E-05	1.55E-04	1.23E-05	1.04E-05	4.40E-05	5.99E-04
	Total	8.54E-04								

John Smith Road Landfill - DEIR Table P-2I

Chronic Hazard Index from Landfill Fugitive TACs Emissions (HIC)

actors: School 2

Dispersion Factor $(\chi/Q)^{[7]} = \frac{1.99E+05}{(\mu g/m^3)/(lb/hr-sf)}$

CAS	TACs	Hazard Indices - Chronic (HIC) - Calculated								
		Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	2.23E-07								
67-63-0	2-propanol (isopropyl alcohol)						1.36E-06		1.36E-06	
107-13-1	Acrylonitrile									
71-43-2	Benzene					8.80E-05				
75-15-0	Carbon disulfide							6.50E-08	6.50E-08	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	2.33E-08					2.33E-08		2.33E-08	
75-00-3	Chloroethane (ethyl chloride)	4.52E-09							4.52E-09	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	1.58E-07					1.58E-07	1.58E-07		1.58E-07
75-09-2	Dichloromethane (methylene chloride)		8.32E-08					8.32E-08		
100-41-4	Ethylbenzene	5.87E-07	-	5.87E-07			5.87E-07		5.87E-07	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								2.13E-05	
110-54-3	Hexane							0.00E+00		
7439-97-6	Mercury (total)(e)						1.61E-06	1.61E-06	1.61E-06	
127-18-4	Perchloroethylene (tetrachloroethylene)						3.23E-06			
79-01-6	Trichloroethylene (trichloroethene)				7.29E-08			7.29E-08		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			•						3.35E-04
108-88-3	Toluene			•	1.30E-05					
1330-20-7	Xylenes			•	3.93E-06			3.93E-06		3.93E-06
	Endpoint Sum Totals	9.96E-07	8.32E-08	5.87E-07	1.70E-05	8.80E-05	6.96E-06	5.92E-06	2.49E-05	3.39E-04
	Total	4.84E-04		·	·	·		·	·	·

[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19.

^[2] Toxic Air Contaminants TACs.

^[3] Maximum emission rates in tons per year is the sum of current and future flare potential to emit.

^[4] SCAQMD Permit Application package N, Version 8.1 page 12. "Multipathway adjustment" factors - chronic HI, Table 3.2. No value tabulated, therefore assumed inhalation pathway only.

^[5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1 - "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values."

^[6] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 - "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

^[7] Obtained from AERMOD. Dispersion Factor calculated for annual concentration at residential receptor for location at: PMI at P46 for 2020, MEIR at RP_H1 for 2019, MIEW CR_WP_2 for 2019, School 1 at CR_SC_13 for 2018, and School 2 at

John Smith Road Landfill - DEIR Table P-2I_G68

Chronic Hazard Index from Landfill Fugitive TACs Emissions (HIC)

$$HIC^{[1]} = ENDPOINT SUM (Q_{tpy} * \chi/Q * MWAF * MP * (1/REL)) =$$

HIC: Hazard Index - Chronic

Qtpy: Emissions Rate in tons per year

 χ /Q: Dispersion factor in (μ g/m3)/(lb/hr-sf) calculated using AERMOD for receptor of interest, where Q = 1 lb/hr-sf MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

MP: Multipathway Adjustment Factor (dimensionless)

REL: Reference Exposure Level (μg/m³)

HIC Endpoint Sum Summary for Landfill Flare TAC Emissions:

	Nearest Pot.
	Recept.
Chronic Hazard Endpoint Sum =	0.015731
Receptor ID	G68
Peak Concentration Year	2020

CAS	TACs ^[2]	Q _(lb/hr-sf) ^[3]	MP ^[4]	MWAF ^[5]
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	-	1	1
75-35-4	1,1-Dichloroethene (vinylidene chloride)	-	1	1
107-06-2	1,2-Dichloroethane (ethylene dichloride)	4.50E-10	1	1
67-63-0	2-propanol (isopropyl alcohol)	4.79E-08	1	1
107-13-1	Acrylonitrile	-	1	1
71-43-2	Benzene	1.33E-09	1	1
75-15-0	Carbon disulfide	2.62E-10	1	1
56-23-5	Carbon tetrachloride	-	1	1
108-90-7	Chlorobenzene	1.17E-10	1	1
75-00-3	Chloroethane (ethyl chloride)	6.83E-10	1	1
67-66-3	Chloroform	-	1	1
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	6.36E-10	1	1
75-09-2	Dichloromethane (methylene chloride)	1.68E-10	1	1
100-41-4	Ethylbenzene	5.91E-09	1	1
106-93-4	Ethylene dibromide (1,2-Dibromaethane)	8.57E-11	1	1
110-54-3	Hexane	1.66E-09	1	1
7439-97-6	Mercury (total)(e)	2.43E-13	1	1
127-18-4	Perchloroethylene (tetrachloroethylene)	5.69E-10	1	1
79-01-6	Trichloroethylene (trichloroethene)	2.20E-10	1	1
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	1.52E-08	1	1
108-88-3	Toluene	2.74E-08	1	1
1330-20-7	Xylenes	1.39E-08	1	1

CAS	TACs	RELs (µg/m³) from OEHHA/ARB ^[6]								
		Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)							1.00E+03		
75-35-4	1,1-Dichloroethene (vinylidene chloride)	7.00E+01								
107-06-2	1,2,Dichloroethane (ethylene dichloride)	4.00E+02								
67-63-0	2-propanol (isopropyl alcohol)						7.00E+03		7.00E+03	
107-13-1	Acrylonitrile									5.00E+03
71-43-2	Benzene					3.00E+00				
75-15-0	Carbon disulfide							8.00E+02	8.00E+02	
56-23-5	Carbon tetrachloride	4.00E+01						4.00E+01	4.00E+01	
108-90-7	Chlorobenzene	1.00E+03					1.00E+03		1.00E+03	
75-00-3	Chloroethane (ethyl chloride)	3.00E+04							3.00E+04	
67-66-3	Chloroform	3.00E+02					3.00E+02		3.00E+02	
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	8.00E+02					8.00E+02	8.00E+02		8.00E+02
75-09-2	Dichloromethane (methylene chloride)		4.00E+02					4.00E+02		
100-41-4	Ethylbenzene	2.00E+03	2.00E+03	2.00E+03			2.00E+03		2.00E+03	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								8.00E-01	
110-54-3	Hexane							7.00E+03		
7439-97-6	Mercury (total)(e)						3.00E-02	3.00E-02	3.00E-02	
127-18-4	Perchloroethylene (tetrachloroethylene)	3.50E+01					3.50E+01			
79-01-6	Trichloroethylene (trichloroethene)				6.00E+02			6.00E+02		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)						·			9.00E+00
108-88-3	Toluene				4.20E+02					
1330-20-7	Xylenes				7.00E+02			7.00E+02		7.00E+02

Nearest Pot.

Factors: Recept

Dispersion Factor $(\chi/Q)^{[7]} = \frac{6.45E+06}{(\mu g/m^3)/(lb/hr-sf)}$

CAS	TAC				Iazard Indices	s - Chronic (HIC) - Calculated		·	•
CAS	TACs	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	7.25E-06								
67-63-0	2-propanol (isopropyl alcohol)						4.41E-05		4.41E-05	
107-13-1	Acrylonitrile									
71-43-2	Benzene					2.86E-03				
75-15-0	Carbon disulfide							2.11E-06	2.11E-06	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	7.56E-07					7.56E-07		7.56E-07	
75-00-3	Chloroethane (ethyl chloride)	1.47E-07							1.47E-07	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	5.13E-06					5.13E-06	5.13E-06		5.13E-06
75-09-2	Dichloromethane (methylene chloride)		2.70E-06					2.70E-06		
100-41-4	Ethylbenzene	1.91E-05	1.91E-05	1.91E-05			1.91E-05		1.91E-05	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								6.91E-04	
110-54-3	Hexane							1.53E-06		
7439-97-6	Mercury (total)(e)						5.22E-05	5.22E-05	5.22E-05	
127-18-4	Perchloroethylene (tetrachloroethylene)						1.05E-04			
79-01-6	Trichloroethylene (trichloroethene)				2.37E-06			2.37E-06		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)									1.09E-02
108-88-3	Toluene			-	4.21E-04					
1330-20-7	Xylenes			<u> </u>	1.28E-04		-	1.28E-04		1.28E-04
	Endpoint Sum Totals	3.24E-05	2.18E-05	1.91E-05	5.51E-04	2.86E-03	2.26E-04	1.94E-04	8.10E-04	1.10E-02
	Total	1.57E-02		•	•	•		•		•

[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19.

^[2] Toxic Air Contaminants TACs.

^[3] Maximum emission rates in tons per year is the sum of current and future flare potential to emit.

^[4] SCAQMD Permit Application package N, Version 8.1 page 12. "Multipathway adjustment" factors - chronic HI, Table 3.2. No value tabulated, therefore assumed inhalation pathway only.

^[5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1 - "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values."

^[6] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 - "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

^[7] Obtained from AERMOD. Dispersion Factor calculated for annual concentration at residential receptor for location at: PMI at P46 for 2020, MEIR at RP H1 for 2019, MIEW CR WP 2 for 2019, School 1 at CR SC 13 for 2018, and School 2 at

John Smith Road Landfill - DEIR Table P-2I_G68_242CFM

Chronic Hazard Index from Landfill Fugitive TACs Emissions (HIC)

 $HIC^{[1]} = ENDPOINT SUM (Q_{tpy} * \chi/Q * MWAF * MP * (1/REL)) =$

HIC: Hazard Index - Chronic

Qtpy: Emissions Rate in tons per year

 χ /Q: Dispersion factor in (μ g/m3)/(lb/hr-sf) calculated using AERMOD for receptor of interest, where Q = 1 lb/hr-sf MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

MP: Multipathway Adjustment Factor (dimensionless)

REL: Reference Exposure Level (μg/m³)

HIC Endpoint Sum Summary for Landfill Flare TAC Emissions:

	Nearest Pot.
	Recept.
Chronic Hazard Endpoint Sum =	0.023793
Receptor ID	G68
Peak Concentration Year	2020

CAS	TACs ^[2]	Q _(lb/hr-sf) ^[3]	MP ^[4]	MWAF ^[5]
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	-	1	1
75-35-4	1,1-Dichloroethene (vinylidene chloride)	-	1	1
107-06-2	1,2-Dichloroethane (ethylene dichloride)	6.80E-10	1	1
67-63-0	2-propanol (isopropyl alcohol)	7.25E-08	1	1
107-13-1	Acrylonitrile	-	1	1
71-43-2	Benzene	2.01E-09	1	1
75-15-0	Carbon disulfide	3.96E-10	1	1
56-23-5	Carbon tetrachloride	-	1	1
108-90-7	Chlorobenzene	1.77E-10	1	1
75-00-3	Chloroethane (ethyl chloride)	1.03E-09	1	1
67-66-3	Chloroform	-	1	1
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	9.62E-10	1	1
75-09-2	Dichloromethane (methylene chloride)	2.54E-10	1	1
100-41-4	Ethylbenzene	8.94E-09	1	1
106-93-4	Ethylene dibromide (1,2-Dibromaethane)	1.30E-10	1	1
110-54-3	Hexane	2.51E-09	1	1
7439-97-6	Mercury (total)(e)	3.67E-13	1	1
127-18-4	Perchloroethylene (tetrachloroethylene)	8.61E-10	1	1
79-01-6	Trichloroethylene (trichloroethene)	3.33E-10	1	1
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	2.30E-08	1	1
108-88-3	Toluene	4.15E-08	1	1
1330-20-7	Xylenes	2.10E-08	1	1

John Smith Road Landfill - DEIR Table P-2I_G68_242CFM Chronic Hazard Index from Landfill Fugitive TACs Emissions (HIC)

CAS	TACs				RELs (μg/ι	m³) from OEHH	A/ARB ^[6]			
CAS	TACS	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)							1.00E+03		
75-35-4	1,1-Dichloroethene (vinylidene chloride)	7.00E+01								
107-06-2	1,2,Dichloroethane (ethylene dichloride)	4.00E+02								
67-63-0	2-propanol (isopropyl alcohol)						7.00E+03		7.00E+03	
107-13-1	Acrylonitrile									5.00E+03
71-43-2	Benzene					3.00E+00				
75-15-0	Carbon disulfide							8.00E+02	8.00E+02	
56-23-5	Carbon tetrachloride	4.00E+01						4.00E+01	4.00E+01	
108-90-7	Chlorobenzene	1.00E+03					1.00E+03		1.00E+03	
75-00-3	Chloroethane (ethyl chloride)	3.00E+04							3.00E+04	
67-66-3	Chloroform	3.00E+02					3.00E+02		3.00E+02	
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	8.00E+02					8.00E+02	8.00E+02		8.00E+02
75-09-2	Dichloromethane (methylene chloride)		4.00E+02					4.00E+02		
100-41-4	Ethylbenzene	2.00E+03	2.00E+03	2.00E+03			2.00E+03		2.00E+03	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								8.00E-01	
110-54-3	Hexane							7.00E+03		
7439-97-6	Mercury (total)(e)						3.00E-02	3.00E-02	3.00E-02	
127-18-4	Perchloroethylene (tetrachloroethylene)	3.50E+01					3.50E+01			
79-01-6	Trichloroethylene (trichloroethene)				6.00E+02			6.00E+02		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)									9.00E+00
108-88-3	Toluene				4.20E+02					
1330-20-7	Xylenes			•	7.00E+02			7.00E+02		7.00E+02

John Smith Road Landfill - DEIR Table P-2I_G68_242CFM Chronic Hazard Index from Landfill Fugitive TACs

Chronic Hazard Index from Landfill Fugitive TACs Emissions (HIC)

Nearest Pot.

Factors: Recept

Dispersion Factor $(\chi/Q)^{[7]} = \frac{6.45E+06}{(\mu g/m^3)/(lb/hr-sf)}$

CAS	TACs			Н	Iazard Indices	- Chronic (HIC) - Calculated			
CAS	TACS	Alimentary	Cardiovascular	Endocrine	Eye	Hematologic	Kidney	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)									
75-35-4	1,1-Dichloroethene (vinylidene chloride)									
107-06-2	1,2,Dichloroethane (ethylene dichloride)	1.10E-05								
67-63-0	2-propanol (isopropyl alcohol)						6.68E-05		6.68E-05	
107-13-1	Acrylonitrile									
71-43-2	Benzene					4.32E-03				
75-15-0	Carbon disulfide							3.20E-06	3.20E-06	
56-23-5	Carbon tetrachloride									
108-90-7	Chlorobenzene	1.14E-06					1.14E-06		1.14E-06	
75-00-3	Chloroethane (ethyl chloride)	2.22E-07							2.22E-07	
67-66-3	Chloroform									
106-46-7	Dichlorobenzene (1,4-Dichlorobenzene)	7.75E-06					7.75E-06	7.75E-06		7.75E-06
75-09-2	Dichloromethane (methylene chloride)		4.09E-06					4.09E-06		
100-41-4	Ethylbenzene	2.88E-05	2.88E-05	2.88E-05			2.88E-05		2.88E-05	
106-93-4	Ethylene dibromide (1,2-Dibromaethane)								1.05E-03	
110-54-3	Hexane							2.31E-06		
7439-97-6	Mercury (total)(e)						7.89E-05	7.89E-05	7.89E-05	
127-18-4	Perchloroethylene (tetrachloroethylene)						1.59E-04			
79-01-6	Trichloroethylene (trichloroethene)				3.58E-06			3.58E-06		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)									1.65E-02
108-88-3	Toluene				6.37E-04					
1330-20-7	Xylenes			<u> </u>	1.93E-04		· · · · · · · · · · · · · · · · · · ·	1.93E-04		1.93E-04
	Endpoint Sum Totals	4.89E-05	3.29E-05	2.88E-05	8.34E-04	4.32E-03	3.42E-04	2.93E-04	1.22E-03	1.67E-02
	Total	2.38E-02								

[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19.

^[2] Toxic Air Contaminants TACs.

^[3] Maximum emission rates in tons per year is the sum of current and future flare potential to emit.

^[4] SCAQMD Permit Application package N, Version 8.1 page 12. "Multipathway adjustment" factors - chronic HI, Table 3.2. No value tabulated, therefore assumed inhalation pathway only.

^[5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1 - "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values."

^[6] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 - "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

^[7] Obtained from AERMOD. Dispersion Factor calculated for annual concentration at residential receptor for location at: PMI at P46 for 2020, MEIR at RP_H1 for 2019, MIEW CR_WP_2 for 2019, School 1 at CR_SC_13 for 2018, and School 2 at

John Smith Road Landfill, Hollister CA Table P-2J

Acute Hazard from Landfill Fugitive TACs Emissions (AHI)

 $AHI^{[1]} = ENDPOINT SUM (Qtpy * <math>\chi/Q$ * MWAF * (1/REL)) =

Where:

AHI: Acute Hazard Index

Q_{tpy}: Emissions Rate in tons per year

 $\chi/Q:\ \ Dispersion\ factor\ in\ (\mu g/m3)/(lb/hr-sf)\ calculated\ using\ AERMOD\ for\ \ receptor\ of\ interest,\ where\ Q=1\ lb/hr-sf$

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

REL: Reference Exposure Level (μg/m³)

HIC Endpoint Sum Summary for Landfill Flare TAC Emissions:

	PMI	MEIR	MEIW	School 1	School 1
Chronic Hazard Endpoint Sum =	7.52E-05	1.99E-05	1.51E-05	4.27E-06	3.41E-06
Receptor ID	P40	RP_H31	CR_WP_2	CR_SC_13	CR_SC_14
Peak Concentration Year	2020	2019	2019	2018	2020

CAS	TACs ^[2]	Q(lb/hr-sf) ^[3]	MWAF ^[5]
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	-	1
67-63-0	2-propanol (isopropyl alcohol)	1.38E-09	1
71-43-2	Benzene	3.82E-11	1
75-15-0	Carbon disulfide	7.54E-12	1
56-23-5	Carbon tetrachloride	=	1
67-66-3	Chloroform	=	1
75-09-2	Dichloromethane (methylene Chloride)	4.82E-12	1
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	4.37E-10	1
7439-97-6	Mercury (total)(e)	6.98E-15	1
78-93-3	Methyl ethyl ketone	8.25E-11	1
127-18-4	Perchloroethylene (tetrachloroethylene)	1.64E-11	1
108-88-3	Toluene	7.89E-10	1
75-01-4	Vinyl chloride	1.25E-12	1
1330-20-7	Xylenes	3.98E-10	1

John Smith Road Landfill, Hollister CA

Table P-2J

Acute Hazard from Landfill Fugitive TACs Emissions (AHI)

Acute Hazard RELs

CAS	TACs			REL	s (μg/m³) from C	DEHHA/ARB	[6]		
CHS	ITIOS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nervous	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)						6.80E+04		
67-63-0	2-propanol (isopropyl alcohol)						3.20E+03		
71-43-2	Benzene				2.70E+01	2.70E+01		2.70E+01	
75-15-0	Carbon disulfide						6.20E+03	6.20E+03	
56-23-5	Carbon tetrachloride	1.90E+03					1.90E+03	1.90E+03	
67-66-3	Chloroform						1.50E+03	1.50E+02	1.50E+02
75-09-2	Dichloromethane (methylene Chloride)		1.40E+04				1.40E+04		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			2.10E+03					2.10E+03
7439-97-6	Mercury (total)(e)						6.00E-01	6.00E-01	
78-93-3	Methyl ethyl ketone			1.30E+04					1.30E+04
127-18-4	Perchloroethylene (tetrachloroethylene)			2.00E+04			2.00E+04		2.00E+04
108-88-3	Toluene			5.00E+03			5.00E+03	5.00E+03	5.00E+03
75-01-4	Vinyl chloride			1.80E+05			1.80E+05		1.80E+05
1330-20-7	Xylenes			2.20E+04			2.20E+04		2.20E+04

John Smith Road Landfill, Hollister CA Table P-2J

Acute Hazard from Landfill Fugitive TACs Emissions (AHI)

Factors: PMI

Dispersion Factor $(\chi/Q)^{[7]} = \frac{1.29E+07}{(\mu g/m^3)/(lb/hr-sf)}$

Acute Hazard Calculated for PMI

CAS	TACs Hazard Indices - Chronic (calculated)								
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						5.57E-06		
71-43-2	Benzene				1.83E-05	1.83E-05		1.83E-05	
75-15-0	Carbon disulfide						1.57E-08	1.57E-08	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		4.45E-09				4.45E-09		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			2.69E-06					2.69E-06
7439-97-6	Mercury (total)(e)						1.50E-07	1.50E-07	
78-93-3	Methyl ethyl ketone			8.20E-08					8.20E-08
127-18-4	Perchloroethylene (tetrachloroethylene)			1.06E-08			1.06E-08		1.06E-08
108-88-3	Toluene			2.04E-06			2.04E-06	2.04E-06	2.04E-06
75-01-4	Vinyl chloride			9.00E-11			9.00E-11		9.00E-11
1330-20-7	Xylenes			2.34E-07		•	2.34E-07		2.34E-07
	Endpoint Sum Totals	0.00E+00	4.45E-09	5.05E-06	1.83E-05	1.83E-05	8.02E-06	2.05E-05	5.05E-06
	Total	7.52E-05			<u>. </u>		_	_	_

Factors: MEIR

Dispersion Factor $(\chi/Q)^{[7]} = \frac{3.12E+06}{(\mu g/m^3)/(lb/hr-sf)}$

Acute Hazard Calculated for MEIR

CAS	TACs			Haza	rd Indices - Chro	nic (calculate	ed)		
CAS	IACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						1.34E-06		
71-43-2	Benzene				4.41E-06	4.41E-06		4.41E-06	
75-15-0	Carbon disulfide						3.79E-09	3.79E-09	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		4.45E-09				1.07E-09		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			6.49E-07					6.49E-07
7439-97-6	Mercury (total)(e)						3.63E-08	3.63E-08	
78-93-3	Methyl ethyl ketone			1.98E-08					1.98E-08
127-18-4	Perchloroethylene (tetrachloroethylene)			2.55E-09			1.06E-08		2.55E-09
108-88-3	Toluene			4.92E-07			2.04E-06	4.92E-07	4.92E-07
75-01-4	Vinyl chloride			2.17E-11			9.00E-11		2.17E-11
1330-20-7	Xylenes			5.65E-08			2.34E-07		5.65E-08

John Smith Road Landfill, Hollister CA

Table P-2J

Acute Hazard from Landfill Fugitive TACs Emissions (AHI)

9	(,								
Enc	dpoint Sum Totals	0.00E+00	4.45E-09	1.22E-06	4.41E-06	4.41E-06	3.67E-06	4.94E-06	1.22E-06
	Total	1.99E-05							

Factors: MEIW

Dispersion Factor $(\chi/Q)^{[7]} =$ 2.27E+06 $(\mu g/m^3)/(lb/hr-sf)$

Acute Hazard Calculated for MEIW

CAS	TACs			Hazaı	rd Indices - Chro	onic (calculate	ed)		
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						9.80E-07		
71-43-2	Benzene				3.22E-06	3.22E-06		3.22E-06	
75-15-0	Carbon disulfide						2.77E-09	2.77E-09	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		4.45E-09				7.84E-10		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			4.73E-07					4.73E-07
7439-97-6	Mercury (total)(e)						2.65E-08	2.65E-08	
78-93-3	Methyl ethyl ketone			1.44E-08					1.44E-08
127-18-4	Perchloroethylene (tetrachloroethylene)			1.86E-09			1.06E-08		1.86E-09
108-88-3	Toluene			3.59E-07			2.04E-06	3.59E-07	3.59E-07
75-01-4	Vinyl chloride			1.58E-11			9.00E-11		1.58E-11
1330-20-7	Xylenes			4.12E-08			2.34E-07		4.12E-08
	Endpoint Sum Totals	0.00E+00	4.45E-09	8.90E-07	3.22E-06	3.22E-06	3.29E-06	3.61E-06	8.90E-07
	Total	1.51E-05				_		_	_

Factors: School 1

Dispersion Factor $(\chi/Q)^{[7]} =$ 3.51E+05 $(\mu g/m^3)/(lb/hr-sf)$

Acute Hazard Calculated for School 1

CAS	TACs			Hazai	rd Indices - Chro	onic (calculate	ed)		
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						1.51E-07		
71-43-2	Benzene				4.96E-07	4.96E-07		4.96E-07	
75-15-0	Carbon disulfide						4.26E-10	4.26E-10	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		4.45E-09				1.21E-10		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			7.30E-08					7.30E-08
7439-97-6	Mercury (total)(e)						4.08E-09	4.08E-09	
78-93-3	Methyl ethyl ketone			2.23E-09					2.23E-09
127-18-4	Perchloroethylene (tetrachloroethylene)			2.87E-10			1.06E-08		2.87E-10

John Smith Road Landfill, Hollister CA

Table P-2J

Acute Hazard from Landfill Fugitive TACs Emissions (AHI)

108-88-3	Toluene			5.53E-08			2.04E-06	5.53E-08	5.53E-08
75-01-4	Vinyl chloride			2.44E-12			9.00E-11		2.44E-12
1330-20-7	Xylenes			6.35E-09			2.34E-07		6.35E-09
	Endpoint Sum Totals	0.00E+00	4.45E-09	1.37E-07	4.96E-07	4.96E-07	2.44E-06	5.56E-07	1.37E-07
	Total	4.27E-06			_		_		

Factors: School 2

Dispersion Factor $(\chi/Q)^{[7]}$ = $(\mu g/m^3)/(lb/hr-sf)$ 1.99E+05

Acute Hazard Calculated for School 2

CAS	TACo		<u> </u>	Hazai	rd Indices - Chro	onic (calculate	ed)	_	<u> </u>
CAS	TACs	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						8.55E-08		
71-43-2	Benzene				2.81E-07	2.81E-07		2.81E-07	
75-15-0	Carbon disulfide						2.41E-10	2.41E-10	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		4.45E-09				6.84E-11		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			4.13E-08					4.13E-08
7439-97-6	Mercury (total)(e)						2.31E-09	2.31E-09	
78-93-3	Methyl ethyl ketone			1.26E-09					1.26E-09
127-18-4	Perchloroethylene (tetrachloroethylene)			1.63E-10			1.06E-08		1.63E-10
108-88-3	Toluene			3.13E-08			2.04E-06	3.13E-08	3.13E-08
75-01-4	Vinyl chloride			1.38E-12			9.00E-11		1.38E-12
1330-20-7	Xylenes			3.60E-09			2.34E-07		3.60E-09
	Endpoint Sum Totals	0.00E+00	4.45E-09	7.77E-08	2.81E-07	2.81E-07	2.37E-06	3.15E-07	7.77E-08
	Total	3.41E-06							

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19.

^[2] Toxic Air Contaminants TACs.

^[3] Maximum emission rates in tons per year is the sum of current and future flare potential to emit.

^[4] SCAQMD Permit Application package N, Version 8.1 page 10. "Multipathway adjustment" factors - chronic HI, Table 3.2. No value tabulated, therefore assumed inhalation pathway only. [5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1 - "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values."

^[6] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 - "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

^[7] Dispersion Factor calculated by AERMOD for UTM receptor (648225.5, 4076181.52).

John Smith Road Landfill, Hollister CA Table P-2J_G68

Acute Hazard from Landfill Fugitive TACs Emissions (AHI)

$$AHI^{[1]} = ENDPOINT SUM (Qtpy * \chi/Q * MWAF * (1/REL)) =$$

Where:

AHI: Acute Hazard Index

Q_{tpy}: Emissions Rate in tons per year

 χ /Q: Dispersion factor in (μ g/m3)/(lb/hr-sf) calculated using AERMOD for receptor of interest, where Q = 1 lb/hr-sf MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

REL: Reference Exposure Level (μg/m³)

HIC Endpoint Sum Summary for Landfill Flare TAC Emissions:

	Nearest Pot. Recept.
Chronic Hazard Endpoint Sum =	3.75E-05
Receptor ID	P40
Peak Concentration Year	2020

CAS	TACs ^[2]	Q(lb/hr-sf) ^[3]	MWAF ^[5]
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	-	1
67-63-0	2-propanol (isopropyl alcohol)	1.38E-09	1
71-43-2	Benzene	3.82E-11	1
75-15-0	Carbon disulfide	7.54E-12	1
56-23-5	Carbon tetrachloride	-	1
67-66-3	Chloroform	-	1
75-09-2	Dichloromethane (methylene Chloride)	4.82E-12	1
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	4.37E-10	1
7439-97-6	Mercury (total)(e)	6.98E-15	1
78-93-3	Methyl ethyl ketone	8.25E-11	1
127-18-4	Perchloroethylene (tetrachloroethylene)	1.64E-11	1
108-88-3	Toluene	7.89E-10	1
75-01-4	Vinyl chloride	1.25E-12	1
1330-20-7	Xylenes	3.98E-10	1

Acute Hazard RELs

CAS	TACs		RELs (μg/m³) from OEHHA/ARB ^[6]							
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nervous	Reproductive	Respiratory	
71-55-6	1,1,1-Trichloroethane (methyl chloroform)						6.80E+04			
67-63-0	2-propanol (isopropyl alcohol)						3.20E+03			
71-43-2	Benzene				2.70E+01	2.70E+01		2.70E+01		
75-15-0	Carbon disulfide						6.20E+03	6.20E+03		
56-23-5	Carbon tetrachloride	1.90E+03					1.90E+03	1.90E+03		
67-66-3	Chloroform						1.50E+03	1.50E+02	1.50E+02	
75-09-2	Dichloromethane (methylene Chloride)		1.40E+04				1.40E+04			
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			2.10E+03					2.10E+03	
7439-97-6	Mercury (total)(e)						6.00E-01	6.00E-01		
78-93-3	Methyl ethyl ketone			1.30E+04					1.30E+04	
127-18-4	Perchloroethylene (tetrachloroethylene)			2.00E+04			2.00E+04		2.00E+04	
108-88-3	Toluene			5.00E+03			5.00E+03	5.00E+03	5.00E+03	
75-01-4	Vinyl chloride			1.80E+05			1.80E+05		1.80E+05	
1330-20-7	Xylenes			2.20E+04			2.20E+04		2.20E+04	

Factors: earest Pot. Recept.

Dispersion Factor $(\chi/Q)^{[7]} = \frac{6.45E+06}{(\mu g/m^3)/(lb/hr-sf)}$

Acute Hazard Calculated for PMI

CAS	TACs			Hazai	rd Indices - Chro	onic (calculate	ed)		
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						2.78E-06		
71-43-2	Benzene				9.13E-06	9.13E-06		9.13E-06	
75-15-0	Carbon disulfide						7.84E-09	7.84E-09	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		2.22E-09				2.22E-09		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			1.34E-06					1.34E-06
7439-97-6	Mercury (total)(e)						7.51E-08	7.51E-08	
78-93-3	Methyl ethyl ketone			4.09E-08					4.09E-08
127-18-4	Perchloroethylene (tetrachloroethylene)			5.28E-09			5.28E-09		5.28E-09
108-88-3	Toluene			1.02E-06			1.02E-06	1.02E-06	1.02E-06
75-01-4	Vinyl chloride			4.49E-11			4.49E-11		4.49E-11
1330-20-7	Xylenes			1.17E-07			1.17E-07		1.17E-07
	Endpoint Sum Totals	0.00E+00	2.22E-09	2.52E-06	9.13E-06	9.13E-06	4.00E-06	1.02E-05	2.52E-06
•	Total	3.75E-05		_	_	_	_	_	_

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19.

^[2] Toxic Air Contaminants TACs.

^[3] Maximum emission rates in tons per year is the sum of current and future flare potential to emit.

^[4] SCAQMD Permit Application package N, Version 8.1 page 10. "Multipathway adjustment" factors - chronic HI, Table 3.2. No value tabulated, therefore assumed inhalation pathway only.

^[5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1 - "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values."

^[6] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 - "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

^[7] Dispersion Factor calculated by AERMOD for UTM receptor (648225.5, 4076181.52).

John Smith Road Landfill, Hollister CA Table P-2J_G68_242CFM Acute Hazard from Landfill Fugitive TACs Emissions (AHI)

$$AHI^{[1]} = ENDPOINT SUM (Qtpy * \chi/Q * MWAF * (1/REL)) =$$

Where:

AHI: Acute Hazard Index

Q_{tpy}: Emissions Rate in tons per year

 $\chi/Q:\ Dispersion\ factor\ in\ (\mu g/m3)/(lb/hr-sf)\ calculated\ using\ AERMOD\ for\ \ receptor\ of\ interest,\ where\ Q=1\ lb/hr-sf$

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

REL: Reference Exposure Level (μg/m³)

HIC Endpoint Sum Summary for Landfill Flare TAC Emissions:

	Nearest Pot. Recept.
Chronic Hazard Endpoint Sum =	5.68E-05
Receptor ID	P40
Peak Concentration Year	2020

CAS	TACs ^[2]	Q(lb/hr-sf) ^[3]	MWAF ^[5]
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	-	1
67-63-0	2-propanol (isopropyl alcohol)	2.08E-09	1
71-43-2	Benzene	5.78E-11	1
75-15-0	Carbon disulfide	1.14E-11	1
56-23-5	Carbon tetrachloride	-	1
67-66-3	Chloroform	-	1
75-09-2	Dichloromethane (methylene Chloride)	7.30E-12	1
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)	6.61E-10	1
7439-97-6	Mercury (total)(e)	1.06E-14	1
78-93-3	Methyl ethyl ketone	1.25E-10	1
127-18-4	Perchloroethylene (tetrachloroethylene)	2.48E-11	1
108-88-3	Toluene	1.19E-09	1
75-01-4	Vinyl chloride	1.90E-12	1
1330-20-7	Xylenes	6.03E-10	1

John Smith Road Landfill, Hollister CA Table P-2J_G68_242CFM

Acute Hazard from Landfill Fugitive TACs Emissions (AHI)

Acute Hazard RELs

CAS	TACs			REL	s (μg/m³) from C	DEHHA/ARB	[6]		
Cris	THOS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nervous	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)						6.80E+04		
67-63-0	2-propanol (isopropyl alcohol)						3.20E+03		
71-43-2	Benzene				2.70E+01	2.70E+01		2.70E+01	
75-15-0	Carbon disulfide						6.20E+03	6.20E+03	
56-23-5	Carbon tetrachloride	1.90E+03					1.90E+03	1.90E+03	
67-66-3	Chloroform						1.50E+03	1.50E+02	1.50E+02
75-09-2	Dichloromethane (methylene Chloride)		1.40E+04				1.40E+04		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			2.10E+03					2.10E+03
7439-97-6	Mercury (total)(e)						6.00E-01	6.00E-01	
78-93-3	Methyl ethyl ketone			1.30E+04					1.30E+04
127-18-4	Perchloroethylene (tetrachloroethylene)			2.00E+04			2.00E+04		2.00E+04
108-88-3	Toluene			5.00E+03			5.00E+03	5.00E+03	5.00E+03
75-01-4	Vinyl chloride			1.80E+05			1.80E+05		1.80E+05
1330-20-7	Xylenes			2.20E+04			2.20E+04		2.20E+04

John Smith Road Landfill, Hollister CA Table P-2J_G68_242CFM

Acute Hazard from Landfill Fugitive TACs Emissions (AHI)

Factors: earest Pot. Recept.

Dispersion Factor $(\chi/Q)^{[7]} =$ $(\mu g/m^3)/(lb/hr-sf)$ 6.45E+06

Acute Hazard Calculated for PMI

CAS	TACs		•	Hazaı	rd Indices - Chro	onic (calculate	ed)		
CAS	TACS	Alimentary	Cardiovascular	Eye	Hematologic	Immune	Nerve	Reproductive	Respiratory
71-55-6	1,1,1-Trichloroethane (methyl chloroform)								
67-63-0	2-propanol (isopropyl alcohol)						4.20E-06		
71-43-2	Benzene				1.38E-05	1.38E-05		1.38E-05	
75-15-0	Carbon disulfide						1.19E-08	1.19E-08	
56-23-5	Carbon tetrachloride								
67-66-3	Chloroform								
75-09-2	Dichloromethane (methylene Chloride)		3.36E-09				3.36E-09		
7647-01-0	Hydrogen Chloride (Hydrochloric Acid)			2.03E-06					2.03E-06
7439-97-6	Mercury (total)(e)						1.14E-07	1.14E-07	
78-93-3	Methyl ethyl ketone			6.19E-08					6.19E-08
127-18-4	Perchloroethylene (tetrachloroethylene)			7.99E-09			7.99E-09		7.99E-09
108-88-3	Toluene			1.54E-06			1.54E-06	1.54E-06	1.54E-06
75-01-4	Vinyl chloride			6.80E-11			6.80E-11		6.80E-11
1330-20-7	Xylenes			1.77E-07		•	1.77E-07		1.77E-07
	Endpoint Sum Totals	0.00E+00	3.36E-09	3.82E-06	1.38E-05	1.38E-05	6.05E-06	1.55E-05	3.82E-06
	Total	5.68E-05					_	_	_

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19.

^[2] Toxic Air Contaminants TACs.

^[3] Maximum emission rates in tons per year is the sum of current and future flare potential to emit.

^[4] SCAQMD Permit Application package N, Version 8.1 page 10. "Multipathway adjustment" factors - chronic HI, Table 3.2. No value tabulated, therefore assumed inhalation pathway only.

^[5] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1 - "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values." [6] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 - "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

^[7] Dispersion Factor calculated by AERMOD for UTM receptor (648225.5, 4076181.52).

John Smith Road Landfill - DEIR Table P-2K Potential-to-Emit Estimates for Proposed LFG Flare

Variables:

Model Input Variables:	
Methane Content	50.0%
Fugitive Emission (25% of LandGem)	160 DSCFM

Conversion Factors*

Imperial Ton	2,000.00	lbs.
lb.	453.60	grams
hour	60.00	min
hour	3,600.00	sec
day	24.00	hrs.
12 months	365.00	days
mol conversion	24.04	L @ 20° C
cubic foot	28.32	L
Fugitive transmission area	11,009,260.00	SF
MMBtu	1,000,000.00	Btu

^{*} Assume Ideal Gas Law at Standard Atmospheric Pressure & Temperature for all calculations, conversions, and constants.

CAS No.	HAPs Compounds ^[1]	Molecular weight (g/Mol) ^[2]	Ave. Concentration of Compounds Found in LFG at Inlet (ppmv) ^[3]	Pollutant Flow Rate (ton/year) ^[4]	Pollutant Flow Rate (lb/hr) [5]	Fugitive Emissions (lb/hr-SF) ^[6]
100-41-4	Ethylbenzene	106.16	5.62E+00	6.51E-02	1.49E-02	5.91E-09
106-46-7	Dichlorobenzene (1, 4-dichlorobenzene)	147	4.36E-01	7.00E-03	1.49E-02	6.36E-10
106-93-4	Ethylene dibromide (1, 2-dibromoethane)	187.88	4.60E-02	9.44E-04	1.49E-02	8.57E-11
107-06-2	1,2-Dichloroethane (ethylene dichloride)	98.96	4.58E-01	4.95E-03	1.49E-02	4.50E-10
107-13-1	Acrylonitrile	53.06	-	=	1.49E-02	-
108-88-3	Toluene	92.13	3.00E+01	3.02E-01	1.49E-02	2.74E-08
108-90-7	Chlorobenzene	112.56	1.05E-01	1.29E-03	1.49E-02	1.17E-10
110-54-3	Hexane	86.18	1.94E+00	1.83E-02	1.49E-02	1.66E-09
127-18-4	Perchloroethylene (tetrachloroethene)	165.83	3.46E-01	6.27E-03	1.49E-02	5.69E-10
1330-20-7	Xylenes	106.16	1.32E+01	1.53E-01	1.49E-02	1.39E-08
56-23-5	Carbon tetrachloride	153.84	-	-	1.49E-02	-
67-63-0	2-propanol (isopropyl alcohol)	60.11	8.04E+01	5.27E-01	1.49E-02	4.79E-08
67-66-3	Chloroform	119.39	-	-	1.49E-02	-
71-43-2	Benzene	78.11	1.72E+00	1.46E-02	1.49E-02	1.33E-09
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	133.41	-	-	1.49E-02	-
7439-97-6	Mercury (total)(e)	200.59	1.22E-04	2.67E-06	1.49E-02	2.43E-13
75-00-3	Chlorodifluoromethane	86.47	7.96E-01	7.52E-03	1.49E-02	6.83E-10
75-01-4	Vinyl chloride	62.5	7.03E-02	4.80E-04	1.49E-02	4.36E-11
75-09-2	Dichloromethane (methylene Chloride)	84.94	1.99E-01	1.85E-03	1.49E-02	1.68E-10
75-15-0	Carbon disulfide	76.13	3.47E-01	2.88E-03	1.49E-02	2.62E-10
75-34-3	1,1-Dichloroethane (ethylidene dichloride)	98.97	-	-	1.49E-02	-
75-35-4	1,1-Dichloroethene (vinylidene chloride)	96.94	-	-	1.49E-02	-
7647-01-0	Hydrogen Chloride (Hydrochloric Acid) ^[7]	36.46	4.20E+01	1.67E-01	1.49E-02	1.52E-08
78-87-5	1,2-Dichloropropane (propylene dichloride)	112.99	2.30E-02	2.84E-04	1.49E-02	2.58E-11
78-93-3	Methyl ethyl ketone	72.11	4.01E+00	3.16E-02	1.49E-02	2.87E-09
79-01-6	Trichloroethylene (trichloroethane)	131.4	1.69E-01	2.43E-03	1.49E-02	2.20E-10
79-34-5	1, 1, 2, 2-Tetrachloroethane	167.85	-	-	1.49E-02	-

See Notes on Following Page

Notes

- [1] List Hazardous Air Pollutants (HAPs) per Title III Clean Air Act Amendments, 1990, and include compounds found in landfill gas, per AP-42 Table 2.4-1 "Default Concentrations for LFG Constituents."
- [2] Molecular weight obtained from AP-42 Table 2.4-1 "Default Concentrations for LFG Constituents."
- [3] Constituent concentration obtained from flare test conducted on June 22, 2020 By AtmAA Inc.
- [5] Conversion from tons/year to lb/hr.
- [6] Calculated by dividing the flow rate by the total gugitive transmission area.
- [7] Concentration of HCL is based on AP-42 default, 2.4.4.2, (11/98)

Yellow highlight data from AP-42 (2008) Tables 2.4-1 AND 2.4-1 "Default Concentrations for LFG Constituents with waste in place on or after 1992".

Example Calculation (Equation 1)

Total Pollutant Flow Rate (To Flare) = ((Concentration of compound [ppmv]/1,000,000)) * (Molecular Weight of Compound [g/mol]) * (Total LFG to Flare [cfm])

*(60 min * 24 hr. * 365 days) * (1 ton/2,000 lbs.)* (1 lb./ 453.6 g) * (1 mol/24.04L) * (28.32 L/1 CF)

John Smith Road Landfill - DEIR Table P-2K_G68 Potential-to-Emit Estimates for Proposed LFG Flare

Variables:

Model Input Variables:					
Methane Content	50.0%				
Fugitive Emission (25% of LandGem)	160 DSCFM				

Conversion Factors*

Imperial Ton	2,000.00 lbs.
lb.	453.60 grams
hour	60.00 min
hour	3,600.00 sec
day	24.00 hrs.
12 months	365.00 days
mol conversion	24.04 L @ 20° C
cubic foot	28.32 L
Fugitive transmission area	11,009,260.00 SF
MMBtu	1,000,000.00 Btu

^{*} Assume Ideal Gas Law at Standard Atmospheric Pressure & Temperature for all calculations, conversions, and constants.

CAS No.	HAPs Compounds ^[1]	Molecular weight (g/Mol) ^[2]	Ave. Concentration of Compounds Found in LFG at Inlet (ppmv) ^[3]	Pollutant Flow Rate (ton/year) ^[4]	Pollutant Flow Rate (lb/hr) [5]	Fugitive Emissions (lb/hr-SF) ^[6]
100-41-4	Ethylbenzene	106.16	5.62E+00	6.51E-02	1.49E-02	5.91E-09
106-46-7	Dichlorobenzene (1, 4-dichlorobenzene)	147	4.36E-01	7.00E-03	1.49E-02	6.36E-10
106-93-4	Ethylene dibromide (1, 2-dibromoethane)	187.88	4.60E-02	9.44E-04	1.49E-02	8.57E-11
107-06-2	1,2-Dichloroethane (ethylene dichloride)	98.96	4.58E-01	4.95E-03	1.49E-02	4.50E-10
107-13-1	Acrylonitrile	53.06	-	=	1.49E-02	-
108-88-3	Toluene	92.13	3.00E+01	3.02E-01	1.49E-02	2.74E-08
108-90-7	Chlorobenzene	112.56	1.05E-01	1.29E-03	1.49E-02	1.17E-10
110-54-3	Hexane	86.18	1.94E+00	1.83E-02	1.49E-02	1.66E-09
127-18-4	Perchloroethylene (tetrachloroethene)	165.83	3.46E-01	6.27E-03	1.49E-02	5.69E-10
1330-20-7	Xylenes	106.16	1.32E+01	1.53E-01	1.49E-02	1.39E-08
56-23-5	Carbon tetrachloride	153.84	-	-	1.49E-02	-
67-63-0	2-propanol (isopropyl alcohol)	60.11	8.04E+01	5.27E-01	1.49E-02	4.79E-08
67-66-3	Chloroform	119.39	-	-	1.49E-02	-
71-43-2	Benzene	78.11	1.72E+00	1.46E-02	1.49E-02	1.33E-09
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	133.41	-	-	1.49E-02	-
7439-97-6	Mercury (total)(e)	200.59	1.22E-04	2.67E-06	1.49E-02	2.43E-13
75-00-3	Chlorodifluoromethane	86.47	7.96E-01	7.52E-03	1.49E-02	6.83E-10
75-01-4	Vinyl chloride	62.5	7.03E-02	4.80E-04	1.49E-02	4.36E-11
75-09-2	Dichloromethane (methylene Chloride)	84.94	1.99E-01	1.85E-03	1.49E-02	1.68E-10
75-15-0	Carbon disulfide	76.13	3.47E-01	2.88E-03	1.49E-02	2.62E-10
75-34-3	1,1-Dichloroethane (ethylidene dichloride)	98.97	-	-	1.49E-02	-
75-35-4	1,1-Dichloroethene (vinylidene chloride)	96.94	-	-	1.49E-02	-
7647-01-0	Hydrogen Chloride (Hydrochloric Acid) ^[7]	36.46	4.20E+01	1.67E-01	1.49E-02	1.52E-08
78-87-5	1,2-Dichloropropane (propylene dichloride)	112.99	2.30E-02	2.84E-04	1.49E-02	2.58E-11
78-93-3	Methyl ethyl ketone	72.11	4.01E+00	3.16E-02	1.49E-02	2.87E-09
79-01-6	Trichloroethylene (trichloroethane)	131.4	1.69E-01	2.43E-03	1.49E-02	2.20E-10
79-34-5	1, 1, 2, 2-Tetrachloroethane	167.85	-	-	1.49E-02	-

See Notes on Following Page

Notes

- [1] List Hazardous Air Pollutants (HAPs) per Title III Clean Air Act Amendments, 1990, and include compounds found in landfill gas, per AP-42 Table 2.4-1 "Default Concentrations for LFG Constituents."
- [2] Molecular weight obtained from AP-42 Table 2.4-1 "Default Concentrations for LFG Constituents."
- [3] Constituent concentration obtained from flare test conducted on June 22, 2020 By AtmAA Inc.
- [5] Conversion from tons/year to lb/hr.
- [6] Calculated by dividing the flow rate by the total gugitive transmission area.
- [7] Concentration of HCL is based on AP-42 default, 2.4.4.2, (11/98)

Yellow highlight data from AP-42 (2008) Tables 2.4-1 AND 2.4-1 "Default Concentrations for LFG Constituents with waste in place on or after 1992".

Example Calculation (Equation 1)

Total Pollutant Flow Rate (To Flare) = ((Concentration of compound [ppmv]/1,000,000)) * (Molecular Weight of Compound [g/mol]) * (Total LFG to Flare [cfm])

*(60 min * 24 hr. * 365 days) * (1 ton/2,000 lbs.)* (1 lb./ 453.6 g) * (1 mol/24.04L) * (28.32 L/1 CF)

John Smith Road Landfill - DEIR Table P-2K_G68_242CFM Potential-to-Emit Estimates for Proposed LFG Flare

Variables:

Model Input Variables:		
Methane Content	50.0%	
Fugitive Emission (25% of LandGem)	242	DSCFM

Conversion Factors*

Imperial Ton	2,000.00 lbs.
lb.	453.60 grams
hour	60.00 min
hour	3,600.00 sec
day	24.00 hrs.
12 months	365.00 days
mol conversion	24.04 L @ 20° C
cubic foot	28.32 L
Fugitive transmission area	11,009,260.00 SF
MMBtu	1,000,000.00 Btu

^{*} Assume Ideal Gas Law at Standard Atmospheric Pressure & Temperature for all calculations, conversions, and constants.

CAS No.	HAPs Compounds ^[1]	Molecular weight (g/Mol) ^[2]	Ave. Concentration of Compounds Found in LFG at Inlet (ppmv) ^[3]	Pollutant Flow Rate (ton/year) ^[4]	Pollutant Flow Rate (lb/hr) [5]	Fugitive Emissions (lb/hr-SF) ^[6]
100-41-4	Ethylbenzene	106.16	5.62E+00	9.85E-02	2.25E-02	8.94E-09
106-46-7	Dichlorobenzene (1, 4-dichlorobenzene)	147	4.36E-01	1.06E-02	2.25E-02	9.62E-10
106-93-4	Ethylene dibromide (1, 2-dibromoethane)	187.88	4.60E-02	1.43E-03	2.25E-02	1.30E-10
107-06-2	1,2-Dichloroethane (ethylene dichloride)	98.96	4.58E-01	7.49E-03	2.25E-02	6.80E-10
107-13-1	Acrylonitrile	53.06	=	=	2.25E-02	-
108-88-3	Toluene	92.13	3.00E+01	4.57E-01	2.25E-02	4.15E-08
108-90-7	Chlorobenzene	112.56	1.05E-01	1.95E-03	2.25E-02	1.77E-10
110-54-3	Hexane	86.18	1.94E+00	2.76E-02	2.25E-02	2.51E-09
127-18-4	Perchloroethylene (tetrachloroethene)	165.83	3.46E-01	9.48E-03	2.25E-02	8.61E-10
1330-20-7	Xylenes	106.16	1.32E+01	2.31E-01	2.25E-02	2.10E-08
56-23-5	Carbon tetrachloride	153.84	-	-	2.25E-02	-
67-63-0	2-propanol (isopropyl alcohol)	60.11	8.04E+01	7.98E-01	2.25E-02	7.25E-08
67-66-3	Chloroform	119.39	-	-	2.25E-02	-
71-43-2	Benzene	78.11	1.72E+00	2.21E-02	2.25E-02	2.01E-09
71-55-6	1,1,1-Trichloroethane (methyl chloroform)	133.41	-	-	2.25E-02	-
7439-97-6	Mercury (total)(e)	200.59	1.22E-04	4.04E-06	2.25E-02	3.67E-13
75-00-3	Chlorodifluoromethane	86.47	7.96E-01	1.14E-02	2.25E-02	1.03E-09
75-01-4	Vinyl chloride	62.5	7.03E-02	7.26E-04	2.25E-02	6.59E-11
75-09-2	Dichloromethane (methylene Chloride)	84.94	1.99E-01	2.79E-03	2.25E-02	2.54E-10
75-15-0	Carbon disulfide	76.13	3.47E-01	4.36E-03	2.25E-02	3.96E-10
75-34-3	1,1-Dichloroethane (ethylidene dichloride)	98.97	-	-	2.25E-02	-
75-35-4	1,1-Dichloroethene (vinylidene chloride)	96.94	-	-	2.25E-02	-
7647-01-0	Hydrogen Chloride (Hydrochloric Acid) ^[7]	36.46	4.20E+01	2.53E-01	2.25E-02	2.30E-08
78-87-5	1,2-Dichloropropane (propylene dichloride)	112.99	2.30E-02	4.29E-04	2.25E-02	3.90E-11
78-93-3	Methyl ethyl ketone	72.11	4.01E+00	4.78E-02	2.25E-02	4.34E-09
79-01-6	Trichloroethylene (trichloroethane)	131.4	1.69E-01	3.67E-03	2.25E-02	3.33E-10
79-34-5	1, 1, 2, 2-Tetrachloroethane	167.85	-	-	2.25E-02	-

See Notes on Following Page

Notes

- [1] List Hazardous Air Pollutants (HAPs) per Title III Clean Air Act Amendments, 1990, and include compounds found in landfill gas, per AP-42 Table 2.4-1 "Default Concentrations for LFG Constituents."
- [2] Molecular weight obtained from AP-42 Table 2.4-1 "Default Concentrations for LFG Constituents."
- [3] Constituent concentration obtained from flare test conducted on June 22, 2020 By AtmAA Inc.
- [5] Conversion from tons/year to lb/hr.
- [6] Calculated by dividing the flow rate by the total gugitive transmission area.
- [7] Concentration of HCL is based on AP-42 default, 2.4.4.2, (11/98)

Yellow highlight data from AP-42 (2008) Tables 2.4-1 AND 2.4-1 "Default Concentrations for LFG Constituents with waste in place on or after 1992".

Example Calculation (Equation 1)

Total Pollutant Flow Rate (To Flare) = ((Concentration of compound [ppmv]/1,000,000)) * (Molecular Weight of Compound [g/mol]) * (Total LFG to Flare [cfm])

*(60 min * 24 hr. * 365 days) * (1 ton/2,000 lbs.)* (1 lb./ 453.6 g) * (1 mol/24.04L) * (28.32 L/1 CF)

John Smith Road Landfill - DEIR Table P-3A

Landfill Area DPM Cancer Risk - Ground Level Concentration

Peak Yearly DPM Deposition for Receptors

	2018 Peak	2019 Peak	2020 Peak					
Receptor	Concentration	Concentration	Concentration			UTM Easting	UTM Northing	
	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	Receptor ID	Description	(m)	(m)	Elev (m)
					Boundary			
PMI	12,408,169	10,870,574	12,924,632	P40	Perimeter 40	649980.44	4076626.71	214.82
MEIR	2,806,308	2,484,311	3,116,868	RP_H31	House 31	648659.32	4077241.2	205.79
					Nearest			
MEIW	2,029,204	2,274,519	2,615,205	CR_WP_2	Workplace	648949	4077938	189.45
					Rancho Santana			
School 1	350,639	188,442	244,067	CR_SC_13	School	646058.93	4078443.2	128.52
School 2	198,589	125,121	175,355	CR_SC_14	Future School	647269	4075575	158
					Grid Receptor			
Nearest Potential Receptor	5,808,936	5,349,452	6,450,904	G68	68	649980	4076373	231

Peak deposition obtained from AERMOD for flag pole elevation of 0 m.

^{*} Same as 2018

Calculation of Maximum Individual Cancer Risk for Diesel Engines

 $MICRr^{[1]} = SUM [CP * Q lb/hr-SF * \chi/Q * CEFr * MPr * MWAF * 10⁻⁶] =$

MICRr: Maximum Individual Cancer Risk - Residential

CP: Cancer Potency in (mg/kg-day)⁻¹

Q: Pollutant flow rate (lb/hr/SF)

χ/Q: Dispersion Factor in (μg/m3/lb/hr-SF) calculated using AERMOD for peak deposition at receptors

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

CEFr: Combined Exposure Factor, residential (L/kg-day) MPr: Multipathway Adjustment Factor (dimensionless)

10⁻⁶: Micrograms to milligrams conversion, liters to cubic meters conversion.

When:

DPM flow rate, Q = 4.57E-10 lb/hr-SF

John Smith Road Landfill - DEIR

Table P3-B

Calculated MICR Ground-Level Concentration

Receptor	CP(mg/kg day) ⁻¹ [A]	χ/Q (μg/m³/lb/hr- SF)	CEF (L/kg-day)	MP [C]	MWAF [D]	MICR	MICR per Million	Receptor ID
PMI	1.1	5.90E-03	766.78	1	1	4.98E-06	4.98	P13
MEIR	1.1	1.42E-03	766.78	1	1	1.20E-06	1.20	RP_H31
MEIW	1.1	1.19E-03	55.86	1	1	7.34E-08	0.07	CR_WP_2
School 1	1.1	1.60E-04	389.23	1	1	6.86E-08	0.07	CR_SC_13
School 2	1.1	9.07E-05	389.23	1	1	3.88E-08	0.04	CR_SC_14
Nearest Potential Receptor	1.1	2.95E-03	766.78	1	1	2.49E-06	2.49	G68

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating MICR, Page 12.

[[]A] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Cancer Potency Factor."

[[]B] from SCAQMD Permit Application Package N, Version 8.1 page 14. "Combined Exposure Factor" for 70 years for PMI and MEIR, 9 years for MEIW, and 5 years for Schools. [C] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors - Cancer, Table P-3.1. Assumes inhalation

pathway only. Assumes 1 for DPM.

[[]D] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Molecular Weight Adjustment Factor."

Chronic Hazard Index - Residential

$$HIC^{[1]} = \chi * MWAF * MP * (1/REL)) =$$

HIC: Hazard Index - Chronic

χ: Dispersion (μg/m³) calculated using AERMOD

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

MP: Multipathway Adjustment Factor (dimensionless)

REL: Reference Exposure Level (μg/m³)

John Smith Road Landfill - DEIR

Table P3-C

Calculated HIC

ъ.				Respiratory		
Receptor	$\chi (\mu g/m^3)$	MWAF [A]	MP [B]	RELs [C]	HIC	Receptor ID
PMI	5.90E-03	1	1	5	1.18E-03	P13
MEIR	1.42E-03	1	1	5	2.85E-04	RP_H31
MEIW	1.19E-03	1	1	5	2.39E-04	CR_WP_2
School 1	1.60E-04	1	1	5	3.20E-05	CR_SC_13
School 2	9.07E-05	1	1	5	1.81E-05	CR_SC_14
Nearest Potential Receptor	2.95E-03	1	1	5	5.89E-04	G68

- [1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19. [A] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment
- Health Values, "Molecular Weight Adjustment Factor."
- [B] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors Cancer, Table P-3.1. Assumes inhalation pathway only. Assumes 1 for DPM.
- [C] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

Acute Hazard - Residential

There are no Acute Inhalation RELs for Diesel Particulate Matter, per Table 1 OEHHA/ARB Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values. https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf

John Smith Road Landfill - DEIR Table P-3D Landfill Area DPM Cancer Risk

Peak Yearly DPM Deposition for Receptors

	2018 Peak	2019 Peak	2020 Peak					
Receptor	Concentration	Concentration	Concentration			UTM Easting	UTM Northing	
	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	Receptor ID	Description	(m)	(m)	Elev (m)
					Boundary			
PMI	12,408,169	10,870,574	12,924,632	P40	Perimeter 40	649980.44	4076626.71	214.82
MEIR	2,806,308	2,484,311	3,116,868	RP_H31	House 31	648659.32	4077241.2	205.79
					Nearest			
MEIW	2,029,204	2,274,519	2,615,205	CR_WP_2	Workplace	648949	4077938	189.45
					Rancho Santana			
School 1	350,639	188,442	244,067	CR_SC_13	School	646058.93	4078443.2	128.52
School 2	198,589	125,121	175,355	CR_SC_14	Future School	647269	4075575	158
					Grid Receptor			
Nearest Potential Receptor	5,808,936	5,349,452	6,450,904	G68	68	649980	4076373	231

Peak deposition obtained from AERMOD for flag pole elevation of 0 m.

^{*} Same as 2018

Calculation of Maximum Individual Cancer Risk for Diesel Engines

 $MICRr^{[1]} = SUM [CP * Q lb/hr-SF * \chi/Q * CEFr * MPr * MWAF * 10⁻⁶] =$

MICRr: Maximum Individual Cancer Risk - Residential

CP: Cancer Potency in (mg/kg-day)⁻¹

Q: Pollutant flow rate (lb/hr/SF)

χ/Q: Dispersion Factor in (μg/m3/lb/hr-SF) calculated using AERMOD for peak deposition at receptors

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

CEFr: Combined Exposure Factor, residential (L/kg-day) MPr: Multipathway Adjustment Factor (dimensionless)

10⁻⁶: Micrograms to milligrams conversion, liters to cubic meters conversion.

When:

DPM flow rate, Q = 4.57E-10 lb/hr-SF

John Smith Road Landfill - DEIR

Table P3-E

Calculated MICR

Receptor	CP(mg/kg day) ⁻¹ [A]	χ/Q (μg/m³/lb/hr- SF)	CEF (L/kg-day)	MP [C]	MWAF [D]	MICR	MICR per Million	Receptor ID
PMI	1.1	5.90E-03	766.78	1	1	4.98E-06	4.98	P13
MEIR	1.1	1.42E-03	766.78	1	1	1.20E-06	1.20	RP_H31
MEIW	1.1	1.19E-03	55.86	1	1	7.34E-08	0.07	CR_WP_2
School 1	1.1	1.60E-04	389.23	1	1	6.86E-08	0.07	CR_SC_13
School 2	1.1	9.07E-05	389.23	1	1	3.88E-08	0.04	CR_SC_14
Nearest Potential Receptor	1.1	2.95E-03	766.78	1	1	2.49E-06	2.49	G68

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating MICR, Page 12.

[[]A] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Cancer Potency Factor."

[[]B] from SCAQMD Permit Application Package N, Version 8.1 page 14. "Combined Exposure Factor" for 70 years for PMI and MEIR, 9 years for MEIW, and 5 years for Schools. [C] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors - Cancer, Table P-3.1. Assumes inhalation pathway only. Assumes 1 for DPM.

[[]D] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Molecular Weight Adjustment Factor."

Chronic Hazard Index - Residential

$$HIC^{[1]} = \chi * MWAF * MP * (1/REL)) =$$

HIC: Hazard Index - Chronic

χ: Dispersion (μg/m³) calculated using AERMOD

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

MP: Multipathway Adjustment Factor (dimensionless)

REL: Reference Exposure Level (μg/m³)

John Smith Road Landfill - DEIR

Table P3-F

Calculated HIC

Б				Respiratory		
Receptor	$\chi (\mu g/m^3)$	MWAF [A]	MP [B]	RELs [C]	HIC	Receptor ID
PMI	5.90E-03	1	1	5	1.18E-03	P13
MEIR	1.42E-03	1	1	5	2.85E-04	RP_H31
MEIW	1.19E-03	1	1	5	2.39E-04	CR_WP_2
School 1	1.60E-04	1	1	5	3.20E-05	CR_SC_13
School 2	9.07E-05	1	1	5	1.81E-05	CR_SC_14
Nearest Potential Receptor	2.95E-03	1	1	5	5.89E-04	G68

- [1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19. [A] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment
- Health Values, "Molecular Weight Adjustment Factor."
- [B] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors Cancer, Table P-3.1. Assumes inhalation pathway only. Assumes 1 for DPM.
- [C] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

Acute Hazard - Residential

There are no Acute Inhalation RELs for Diesel Particulate Matter, per Table 1 OEHHA/ARB Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values. https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf

John Smith Road Landfill - DEIR Table P-4A Scenario 5 and Flare PM10 Concentrations

Peak Yearly DPM Deposition for Receptors

Receptor	2018 Peak Concentration (μg/m³)	2019 Peak Concentration (μg/m³)	2020 Peak Concentration (μg/m³)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)
					Boundary													
PMI	4.29631	3.9453	4.68082	P37	Perimeter 37	650791.48	4076854.05	246.79	*	*	*	*	*	*	*	*	*	*
MEIR	0.65392	0.55371	0.65992	RP_H1	House 1	650902	4076062	215.24	*	*	*	*	*	*	*	*	*	*
MEIW	0.37971	0.42668	0.51407	CR_WP_2	Nearest Worplace	648949	4077938	189.45	*	*	*	*	*	*	*	*	*	*
School 1	0.06921	0.04135	0.05172	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52	**	*	*	*	*	*	*	*	*	*
School 2	0.04465	0.0328	0.04293	CR_SC_14	Future School	647269	4075575	158	*	*	*	*	*	*	*	*	*	*

Peak deposition obtained from AERMOD at flag pole elevation of 1.5m.

^{*} Same as 2018

John Smith Road Landfill - DEIR Table P-4B Scenario 5 and Flare PM10 Concentrations

Peak Yearly DPM Deposition for Receptors

Rece	2018 Peak Concentration (µg/m³)	2019 Peak Concentration (μg/m³)	2020 Peak Concentration (μg/m³)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)
					Boundary													ĺ
PMI	4.28139	3.92194	4.66334	P37	Perimeter 37	650791.48	4076854.05	246.79	*	*	*	*	*	*	*	*	*	*
MEIR	0.65413	0.55474	0.6613	RP_H1	House 1	650902	4076062	215.24	*	*	*	*	*	*	*	*	*	*
MEIW	0.37941	0.42593	0.51371	CR_WP_2	Nearest Worplace	648949	4077938	189.45	*	*	*	*	*	*	*	*	*	*
School 1	0.06919	0.04133	0.05171	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52	*	*	*	*	*	*	*	*	*	*
School 2	0.04463	0.03278	0.04291	CR_SC_14	Future School	647269	4075575	158	*	*	*	*	*	*	*	*	*	*

Peak deposition obtained from AERMOD at flag pole elevation of 0m.

* Same as 2018

John Smith Road Landfill -DEIR Table P-5A Peak Flare SO2 Ground Level Concentrations

1-hr Peak Concentrations

-				oncentrations			
			20	18			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.68984	27.1	P23	Boundary Perimeter 23	650776.81	4077553.84	267.9
MEIR	0.17529	6.9	RP_H25	House 25	647823.91	4076643.73	168.29
MEIW	0.10712	4.2	CR_WP_1	Workplace	646402	4076879.07	146.33
School 1	0.06988	2.7	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52
School 2	0.08783	3.4	CR_SC_14	Future School	647269	4075575	158
			20	19			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting	Northing	Elev
PMI	0.59816	23.5	G85	Grid Receptor 85	650944	4077573	276.5
MEIR	0.20031	7.9	RP_H9	House 9	648218.58	4076108.95	182.28
MEIW	0.24515	9.6	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.06332	2.5	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52
School 2	0.14609	5.7	CR_SC_14	Future School	647269	4075575	158
			20	20			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting	Northing	Elev
PMI	0.68859	27.0	G85	Grid Receptor 85	650944	4077573	276.5
MEIR	0.17081	6.7	RP_H2	House 2	648371.71	4075470.41	173.69
MEIW	0.07455	2.9	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.08629	3.4	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52
School 2	0.04735	1.9	CR_SC_14	Future School	647269	4075575	158

3-hr Peak Concentrations

			3-III Feak Co	neentrations			
			20	18			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting	Northing	Elev
PMI	0.36012	14.1	P9	Boundary Perimeter 9	649384.06	4077536.25	258.43
MEIR	0.12291	4.8	RP_H1	House 1	648659.32	4077241.2	205.79
MEIW	0.03753	1.5	CR_WP_1	Workplace	646402	4076879.07	146.33
School 1	0.03029	1.2	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52
School 2	0.02928	1.1	CR_SC_14	Future School	647269	4075575	158
			20	19			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting	Northing	Elev
PMI	0.33297	13.1	G80	Grid Receptor 80	650544	4075573	268.2
MEIR	0.15839	6.2	RP_H1	House 1	648659.32	4077241.2	205.79
MEIW	0.08764	3.4	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.02799	1.1	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52
School 2	0.04877	1.9	CR_SC_14	Future School	647269	4075575	158
			20:	20			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting	Northing	Elev
PMI	0.42138	16.5	G80	Grid Receptor 80	650544	4075573	268.2
MEIR	0.12436	4.9	RP_H1	House 1	648659.32	4077241.2	205.79
MEIW	0.03499	1.4	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.02917	1.1	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52
School 2	0.02093	0.8	CR_SC_14	Future School	647269	4075575	158

John Smith Road Landfill -DEIR Table P-5A Peak Flare SO2 Ground Level Concentrations

24-hr Peak Concentrations

			20	18			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.12549	4.92	P52	Boundary Perimeter 52	648986.7	4076710.52	192.42
MEIR	0.03669	1.44	RP_H1	House 1	648659.32	4077241.2	205.79
MEIW	0.01152	0.45	CR_WP_1	Workplace	646402	4076879.07	146.33
School 1	0.00381	0.15	G40	Grid Receptor 40	648944	4075573	185.6
School 2	0.00299	0.12	G41	Grid Receptor 41	649344	4079173	187.4
			20	19			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.1134	4.45	P46	Boundary Perimeter 46	649482.48	4076383.73	207.5
MEIR	0.0346	1.36	RP_H1	House 1	648659.32	4077241.2	205.79
MEIW	0.011	0.43	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.03999	1.57	G49	Grid Receptor 49	649344	4075973	227.2
School 2	0.01046	0.41	G5	Grid Receptor 5	647744	4077573	163.8
			20	20			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.1134	4.45	P46	Boundary Perimeter 46	649482.48	4076383.73	207.5
MEIR	0.0346	1.36	RP_H1	House 1	648659.32	4077241.2	205.79
MEIW	0.011	0.43	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.0033	0.13	G55	Grid Receptor 55	649744	4077573	221.6
School 2	0.09743	3.82	G58	Grid Receptor 58	649744	4076373	211.7

1-yr Peak Concetrations

			20	19			
Point	Concentration Factor	Concentration (μg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.03063	1.201	P46	Boundary Perimeter 46	649482.48	4076383.73	207.5
MEIR	0.00261	0.102	RP_H1	House 1	648659.32	4077241.2	205.79
MEIW	0.0006	0.024	CR_WP_1	Workplace	646402	4076879.07	146.33
School 1	0.00085	0.033	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52
School 2	0.00016	0.006	CR_SC_14	Future School	647269	4075575	158
			20	19			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.03376	1.324	P46	Boundary Perimeter 46	649482.48	4076383.73	207.5
MEIR	0.00628	0.246	RP_H1	House 1	648659.32	4077241.2	205.79
MEIW	0.00108	0.042	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.00081	0.032	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52
School 2	0.00015	0.006	CR_SC_14	Future School	647269	4075575	158
			20:	20			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.03607	1.415	P46	Boundary Perimeter 46	649482.48	4076383.73	207.5
MEIR	0.00363	0.142	RP_H1	House 1	648659.32	4077241.2	205.79
MEIW	0.00069	0.027	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.00062	0.024	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52
School 2	0.00017	0.007	CR_SC_14	Future School	647269	4075575	158

Highlighted rows indicate p Highlighted cells indicate corresponding peak of the years analyzed.

John Smith Road Landfill -DEIR Table P-5B Peak Flare SO2 1.5m Concentrations

1-hr Peak Concentrations

			I III I CUIII CO	incenti ations			
			20:	18			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.73471	28.8	P9	Boundary Perimeter 9	649384	4077536	258.43
MEIR	0.17609	6.9	RP_H25	House 25	647824	4076644	168.29
MEIW	0.10747	4.2	CR_WP_1	Workplace	646402	4076879	146.33
School 1	0.07006	2.7	CR_SC_13	Rancho Santana School	646059	4078443	128.52
School 2	0.08819	3.5	CR_SC_14	Future School	647269	4075575	158
			20	19			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting	Northing	Elev
PMI	0.64976	25.5	P9	Boundary Perimeter 9	649384	4077536	258.43
MEIR	0.20174	7.9	RP_H9	House 9	648219	4076109	182.28
MEIW	0.24685	9.7	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.06344	2.5	CR_SC_13	Rancho Santana School	646059	4078443	128.52
School 2	0.14666	5.8	CR_SC_14	Future School	647269	4075575	158
			202	20			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting	Northing	Elev
PMI	0.73662	28.9	P9	Boundary Perimeter 9	649384	4077536	258.43
MEIR	0.17172	6.7	RP_H2	House 2	648372	4075470	173.69
MEIW	0.0753	3.0	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.08654	3.4	CR_SC_13	Rancho Santana School	646059	4078443	128.52
School 2	0.04748	1.9	CR_SC_14	Future School	647269	4075575	158

3-hr Peak Concentrations

			3-III Feak Co	neenti utions			
			20:	18			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting	Northing	Elev
PMI	0.39489	15.5	P9	Boundary Perimeter 9	649384	4077536	258.43
MEIR	0.1267	5.0	RP_H1	House 1	648659	4077241	205.79
MEIW	0.03756	1.5	CR_WP_1	Workplace	646402	4076879	146.33
School 1	0.03029	1.2	CR_SC_13	Rancho Santana School	646059	4078443	128.52
School 2	0.0294	1.2	CR_SC_14	Future School	647269	4075575	158
			20	19			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting	Northing	Elev
PMI	0.33829	13.3	G80	Grid Receptor 80	650544	4075573	268.2
MEIR	0.1613	6.3	RP_H1	House 1	648659	4077241	205.79
MEIW	0.08823	3.5	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.028	1.1	CR_SC_13	Rancho Santana School	646059	4078443	128.52
School 2	0.04895	1.9	CR_SC_14	Future School	647269	4075575	158
			202	20			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting	Northing	Elev
PMI	0.42915	16.8	G80	Grid Receptor 80	650544	4075573	268.2
MEIR	0.12766	5.0	RP_H1	House 1	648659	4077241	205.79
MEIW	0.03515	1.4	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.02925	1.1	CR_SC_13	Rancho Santana School	646059	4078443	128.52
School 2	0.02099	0.8	CR_SC_14	Future School	647269	4075575	158

John Smith Road Landfill -DEIR Table P-5B Peak Flare SO2 1.5m Concentrations

24-hr Peak Concentrations

r			2 . m. r can c	oncenti ations			
			20	18			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.12637	4.96	P52	Boundary Perimeter 52	648987	4076711	192.42
MEIR	0.03748	1.47	RP_H1	House 1	648659	4077241	205.79
MEIW	0.01154	0.45	CR_WP_1	Workplace	646402	4076879	0.01154
School 1	0.01032	0.40	CR_SC_13	Rancho Santana School	646059	4078443	128.52
School 2	0.00379	0.15	CR_SC_14	Future School	647269	4075575	158
			20	19			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.11472	4.50	P46	Boundary Perimeter 46	649482	4076384	207.5
MEIR	0.07178	2.82	RP_H1	House 1	648659	4077241	205.79
MEIW	0.01771	0.69	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.00801	0.31	CR_SC_13	Rancho Santana School	646059	4078443	128.52
School 2	0.00616	0.24	CR_SC_14	Future School	647269	4075575	158
			20	20			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.11807	4.63	P46	Boundary Perimeter 46	649482	4076384	207.5
MEIR	0.0354	1.39	RP_H1	House 1	648659	4077241	205.79
MEIW	0.01108	0.43	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.01001	0.39	CR_SC_13	Rancho Santana School	646059	4078443	128.52
School 2	0.00275	0.11	CR_SC_14	Future School	647269	4075575	158

1-yr Peak Concetrations

			20	18			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.03187	1.250	P46	Boundary Perimeter 46	649482	4076384	207.5
MEIR	0.00264	0.104	RP H1	House 1	648659	4077241	205.79
MEIW	0.0006	0.024	CR WP 1	Workplace	646402	4076879	146.33
School 1	0.00085	0.033	CR_SC_13	Rancho Santana School	646059	4078443	128.52
School 2	0.00016	0.006	CR_SC_14	Future School	647269	4075575	158
			20	19	•		•
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.03516	1.379	P46	Boundary Perimeter 46	649482	4076384	207.5
MEIR	0.00638	0.250	RP H1	House 1	648659	4077241	205.79
MEIW	0.00108	0.042	CR_WP_2	Nearest Workplace	648949	4077938	189.45
School 1	0.00081	0.032	CR SC 13	Rancho Santana School	646059	4078443	128.52
School 2	0.00015	0.006	CR_SC_14	Future School	647269	4075575	158
			20	20			
Point	Concentration Factor	Concentration (µg/m³)	ID	Description	Easting (m)	Northing (m)	Elev (m)
PMI	0.03748	1.470	P46	Boundary Perimeter 46	649482	4076384	207.5
MEIR	0.00368	0.144	RP H1	House 1	648659	4077241	205.79
MEIW	0.00069	0.027	CR WP 2	Nearest Workplace	648949	4077938	189.45
School 1	0.00063	0.025	CR SC 13	Rancho Santana School	646059	4078443	128.52
School 2	0.00017	0.007	CR SC 14	Future School	647269	4075575	158

Highlighted rows indicate p Highlighted cells indicate corresponding peak of the years analyzed.

John Smith Road Landfill - DEIR Table P-6A John Smith Road DPM Cancer Risk

Peak Yearly DPM Deposition for Receptors

Receptor	2018 Peak Concentration (μg/m³)	2019 Peak Concentration (μg/m³)	2020 Peak Concentration (μg/m³)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)
PMI	3.4489	3.2003	3.5485	G6	Grid Receptor 6	647744	4077173	158.4
MEIR	2.8872	2.4673	2.8406	RP_H42	House 42	647286.42	4077474.4	149.68
MEIW	0.1975	0.1681	0.2162	CR_WP_1	Workplace	646402	4076879.07	146.33
School 1	0.1396	0.1525	0.1809	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52
School 2	0.0720	0.0682	0.0861	CR_SC_14	Future School	647269	4075575	158
Grid Receptor	0.0221	0.0219	0.0207	G68	Grid Receptor 68	650144	4076373	231.4
				·	Boundary			
LF Boundary	0.0312	0.0298	0.0287	P40	Perimeter 40	649980.44	4076626.71	214.82
House SE of Landfill	0.0207	0.0191		RP_H31	House 31	648659.32	4077241.2	205.79
Nearest Workplace	0.0416	0.0270	0.0263	CR WP 2	Nearest Workplace	648949	4077938	189.45

Peak deposition obtained from AERMOD for flag pole elevation of 0 m.

^{*} Same as 2018

Calculation of Maximum Individual Cancer Risk for Diesel Engines

 $MICRr^{[1]} = SUM [CP * Q lb/hr * \chi/Q * CEFr * MPr * MWAF * 10^{-6}] =$

Where

MICRr: Maximum Individual Cancer Risk - Residential

CP: Cancer Potency in (mg/kg-day)⁻¹

Q: Pollutant flow rate (lb/hr/SF)

χ/Q: Dispersion Factor in (μg/m3/lb/hr-SF) calculated using AERMOD for peak deposition at receptors

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

CEFr: Combined Exposure Factor, residential (L/kg-day)
MPr: Multipathway Adjustment Factor (dimensionless)

10⁻⁶: Micrograms to milligrams conversion, liters to cubic meters conversion.

When:

DPM flow rate, Q =

0.0019 lb/day 7.92E-05 lb/hr

John Smith Road Landfill - DEIR

Table P-6B

Calculated MICR

Receptor	CP(mg/kg day) ⁻¹ [A]	χ/Q (μg/m³/lb/hr)	CEF (L/kg-day) [B]	MP [C]	MWAF [D]	MICR	MICR per Million	Receptor ID
PMI	1.1	2.81E-04	766.78	1	1	2.37E-07	0.237	G6
MEIR	1.1	2.29E-04	766.78	1	1	1.93E-07	0.193	RP_H42
MEIW	1.1	1.71E-05	55.86	1	1	1.05E-09	0.001	CR_WP_1
School 1 - Student	1.1	1.43E-05	389.23	1	1	6.13E-09	0.006	CR_SC_13
School 2 - Student	1.1	6.82E-06	389.23	1	1	2.92E-09	0.003	CR_SC_14
LF Boundary	1.1	2.47E-06	766.78	1	1	2.08E-09	0.002	P40
House SE of Landfill	1.1	1.64E-06	766.78	1	1	1.38E-09	0.001	RP_H31
Neaerest Workplace	1.1	3.30E-06	55.86	1	1	2.03E-10	0.000	CR_WP_2
Grid Receptor	1.1	1.75E-06	766.78	1	1	1.48E-09	0.001	G68

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating MICR, Page 12.

[[]A] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Cancer Potency Factor."

[[]B] from SCAQMD Permit Application Package N, Version 8.1 page 14. "Combined Exposure Factor" for 70 years for PMI and MEIR, 25 years for MEIW, and 5 years, 24 hrs for Schools to simulate 15 years. 8 hr/day

[[]C] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors - Cancer, Table P-3.1. Assumes inhalation pathway only. Assumes 1 for DPM.

[[]D] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Molecular Weight Adjustment Factor."

Chronic Hazard Index - Residential

$$HIC^{[1]} = \chi * MWAF * MP * (1/REL)) =$$

HIC: Hazard Index - Chronic

χ: Dispersion (μg/m³) calculated using AERMOD

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

MP: Multipathway Adjustment Factor (dimensionless)

REL: Reference Exposure Level (μg/m³)

John Smith Road Landfill - DEIR

Table P-6C

Calculated HIC

D /				Respiratory		
Receptor	$\chi (\mu g/m^3)$	MWAF [A]	MP [B]	RELs [C]	HIC	Receptor ID
PMI	2.81E-04	1	1	5	5.62E-05	G68
MEIR	2.29E-04	1	1	5	4.57E-05	RP_H42
MEIW	1.71E-05	1	1	5	3.42E-06	CR_WP_1
School 1	1.43E-05	1	1	5	2.86E-06	CR_SC_13
School 2	6.82E-06	1	1	5	1.36E-06	CR_SC_14
LF Boundary	2.47E-06	1	1	5	4.94E-07	P40
House SE of Landfill	1.64E-06	1	1	5	3.28E-07	RP_H31
Neaerest Workplace	3.30E-06	1	1	5	6.59E-07	CR_WP_2
Grid Receptor	1.75E-06	1	1	5	3.51E-07	G68

- [1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19. [A] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment
- Health Values, "Molecular Weight Adjustment Factor."
- [B] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors Cancer, Table P-3.1. Assumes inhalation pathway only. Assumes 1 for DPM.
- [C] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

Acute Hazard - Residential

There are no Acute Inhalation RELs for Diesel Particulate Matter, per Table 1 OEHHA/ARB Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values. https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf

John Smith Road Landfill - DEIR Table P6D Queuing DPM AERMOD Analysis

Peak Yearly DPM Deposition for Receptors

Receptor	2018 Peak Concentration (μg/m³)	2019 Peak Concentration (μg/m³)	2020 Peak Concentration (μg/m³)	Receptor ID	Description	UTM Easting (m)	UTM Northing (m)	Elev (m)
PMI	1.73E-04	1.73E-04	2.20E-04	P50	Boundary Perimeter 50	649156.2	4076605.17	195.87
MEIR	4.67E-05	4.67E-05	5.33E-05	RP_1	House 1	648659.32	4077241.2	205.79
MEIW	3.33E-06	0.00E+00	0.00E+00	CR_WP_2	Nearest Worplace	648949	4077938	189.45
School 1	0	0	0	CR_SC_13	Rancho Santana School	646058.93	4078443.2	128.52
School 2	0	0	0	CR_SC_14	Future School	647269	4075575	158

Peak deposition obtained from AERMOD on peak traffic day (one day per year)

Calculation of Maximum Individual Cancer Risk for Diesel Engines

 $MICRr^{[1]} = SUM [CP * \chi * CEFr * MPr * MWAF * 10^{-6}/365] =$

Where:

MICRr: Maximum Individual Cancer Risk - Residential

CP: Cancer Potency in (mg/kg-day)¹

χ: Dispersion in (μg/m3) calculated using AERMOD for peak deposition at receptor

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

CEFr: Combined Exposure Factor, residential (L/kg-day) MPr: Multipathway Adjustment Factor (dimensionless)

10⁻⁶: Micrograms to milligrams conversion, liters to cubic meters conversion.

365: days per year as this condition occurs once per year.

When:

Table P6E

Queuing DPM MICR

Receptor	CP(mg/kg day) ⁻¹ [A]	χ (μg/m³)	CEF (L/kg-day) [B]	MP [C]	MWAF [D]	MICR	MICR per Million
PMI	1.1	2.20E-04	766.78	1	1	5.08E-10	0.0005
MEIR	1.1	5.33E-05	766.78	1	1	1.23E-10	0.0001
MEIW	1.1	3.33E-06	55.86	1	1	5.69E-12	0.0000
School 1	1.1	0.00E+00	389.23	1	1	0.00E+00	0.00
School 2	1.1	0.00E+00	389.23	1	1	0.00E+00	0.00

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating MICR, Page 12.

[[]A] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Cancer Potency Factor."

[[]B] from SCAQMD Permit Application Package N, Version 8.1 page 14. "Combined Exposure Factor" for 70 years for PMI and MEIR, 9 years for MEIW, and 5 years for Schools.

[[]C] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors - Cancer, Table P-3.1. Assumes inhalation pathway only. Assumes 1 for DPM.

[[]D] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Molecular Weight Adjustment Factor."

Chronic Hazard Index - Residential

$$HIC^{[1]} = \chi * MWAF * MP * (1/REL) / 365 =$$

HIC: Hazard Index - Chronic

χ: Dispersion (μg/m³) calculated using AERMOD

MWAF: Molecular weight adjustment factor (dimensionless), available from CARB Consolidated Health Value Table

MP: Multipathway Adjustment Factor (dimensionless)

REL: Reference Exposure Level (μg/m³)

365: Occurs once per year on highest traffic day.

Table P6E

Queuing DPM HIC

Receptor	χ (μg/m ³)	MWAF [A]	MP [B]	Respiratory RELs [C]	ніс
PMI	2.20E-04	1	1	5	1.21E-07
MEIR	5.33E-05	1	1	5	2.92E-08
MEIW	3.33E-06	1	1	5	1.83E-09
School 1	0.00E+00	1	1	5	0
School 2	0.00E+00	1	1	5	0

^[1] SCAQMD Risk Assessment Procedures for Rule 1401 and Rule 212, Version 8.1, Revised September 1, 2017, Tier 2 Screening Risk Assessment, Instructions for Calculating HIC, Page 19.

Acute Hazard - Residential

There are no Acute Inhalation RELs for Diesel Particulate Matter, per Table 1 OEHHA/ARB Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values. https://www2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf

[[]A] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/contable.pdf, Table 1, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, "Molecular Weight Adjustment Factor."

[[]B] SCAQMD Permit Application Package N, Version 8.1 Package N, Page 10. "Multipath way Adjustment" factors - Cancer, Table P-3.1. Assumes inhalation pathway only. Assumes 1 for DPM.

[[]C] https://ww2.arb.ca.gov/sites/default/files/classic//toxics/healthval/totables.pdf, Table 4 - "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs."

* AERMET (21112): 2018 16:18:56

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- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
645996	4078698	0.00229	123.85	123.85	0	ANNUAL	ALL	1	AQ Monitoring Station	AQ_ST_1	
643903.65	4077719	0.00168	105.68	105.68	0	ANNUAL	ALL	1	Hazel Hawkins Memorial Hospital	CR HP 1	
642056.782	4079416	0.00148	85.12	85.12	0	ANNUAL	ALL	1	Dunne Park	CR PK 1	
642179.095	4079950	0.00142	117.99	117.99	0	ANNUAL	ALL	1	Vista Park Hill Park	CR PK 2	
644733.142	4078753	0.00205	106.44	106.44	0	ANNUAL	ALL	1	Las Brisas Park	CR PK 3	
645608.808	4078854	0.00213	112.86	112.86	0	ANNUAL	ALL	1	Frank Klauer Memorial Park	CR_PK_4	
644238.054	4078807	0.00196	95.25	95.25	0	ANNUAL	ALL	1	Veterans Memorial Park	CR_PK_5	
645311.476	4076559	0.00115	134.61	134.61	0	ANNUAL	ALL	1	Park 6	CR_PK_6	
649581.689	4073424	0.00171	159.96	318	0	ANNUAL	ALL	1	Park 7	CR_PK_7	
645145.11	4077181	0.00169	133	133	0	ANNUAL	ALL	1	Cerra Vista Elem School	CR_SC_1	
642904.712	4079955	0.00145	86	86	0	ANNUAL	ALL	1	San Andreas Continuation	CR_SC_10	
645850.678	4074015	0.00035	123	313	0	ANNUAL	ALL	1	SouthSide School	CR_SC_11	
642105.679		0.00136	91	91	0	ANNUAL	ALL	1	School 12	CR_SC_12	
646058.93	4078443	0.00238	128.52	128.52	0	ANNUAL	ALL	1	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.00045	158	158	0	ANNUAL	ALL	1	Future School	CR_SC_14	School 2
648466	4074106	0.00062	159	240	0	ANNUAL	ALL	1	Tres Pinos Union Elementary School	CR_SC_15	
644109.6	4078389	0.00197	98.2	98.2	0	ANNUAL	ALL	1	Sunnyslope Elem School	CR_SC_2	
643920.12	4077304	0.00136	101.23	101.23	0	ANNUAL	ALL	1	Hollister Montessori School	CR_SC_3	
642961.07	4078621	0.00165	92	92	0	ANNUAL	ALL	1	Rancho San Justo Middle School	CR_SC_4	
643980.02	4079743	0.00163	88	88	0	ANNUAL	ALL	1	Marguerite Maze Middle School	CR_SC_5	
641630.17	4079153	0.0014	85	85	0	ANNUAL	ALL	1	Hollister Prep Schoo	CR_SC_6	
643350.03	4077181	0.00118	98.22	98.22	0	ANNUAL	ALL	1	Ladd Lane Elementary School	CR_SC_7	
644002.96	4080079	0.0016	87	87	0	ANNUAL	ALL	1	Gabilan Hills Elementary School	CR_SC_8	
642244.858	4078413	0.00146	90.17	90.17	0	ANNUAL	ALL	1	San Benito High School	CR_SC_9	
642083.447	4079794	0.00143	87.58	127	0	ANNUAL	ALL	1	Jovenes De Antano	CR_SR_1	
646402	4076879	0.00192	146.33	153	0	ANNUAL	ALL	1	Workplace	CR_WP_1	MEIW
648949	4077938	0.00097	189.45	259	0	ANNUAL	ALL	1	Nearest Workplace	CR_WP_2	
647744	4079173	0.00178	155.2	155.2	0	ANNUAL	ALL	1	Grid Receptor 1	G1	
647744	4075573	0.00038	160	160	0	ANNUAL	ALL	1	Grid Receptor 10	G10	
651344	4075573	0.00928	252.9	252.9	0	ANNUAL	ALL	1	Grid Receptor 100	G100	
648144	4079173	0.00118	165.9	165.9	0	ANNUAL	ALL	1	Grid Receptor 11	G11	
648144	4078773	0.00159	159.6	159.6	0	ANNUAL	ALL	1	Grid Receptor 12	G12	
648144	4078373	0.00233	146.2	146.2	0	ANNUAL	ALL	1	Grid Receptor 13	G13	
648144	4077973	0.00363	158.3	181	0	ANNUAL	ALL	1	Grid Receptor 14	G14	
648144	4077573	0.00461	166.6	179	0	ANNUAL	ALL	1	Grid Receptor 15	G15	
648144	4077173	0.00567	175.4	175.4	0	ANNUAL	ALL	1	Grid Receptor 16	G16	
648144	4076773	0.00481	177.1	240	0	ANNUAL	ALL	1	Grid Receptor 17	G17	
648144	4076373	0.00159	178	240	0	ANNUAL	ALL	1	Grid Receptor 18	G18	
648144	4075973	0.00056	173	240	0	ANNUAL	ALL	1	Grid Receptor 19	G19	
647744	4078773	0.00237	145.4	145.4	0	ANNUAL	ALL	1	Grid Receptor 2	G2	

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* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648144	4075573	0.0004	168.8	190	0	ANNUAL	ALL	1	Grid Receptor 20	G20
648544	4079173	0.00078	173.5	191	0	ANNUAL	ALL	1	Grid Receptor 21	G21
648544	4078773	0.00095	166.2	166.2	0	ANNUAL	ALL	1	Grid Receptor 22	G22
648544	4078373	0.00128	145.4	253	0	ANNUAL	ALL	1	Grid Receptor 23	G23
648544	4077973	0.00218	173.9	214	0	ANNUAL	ALL	1	Grid Receptor 24	G24
648544	4077573	0.00436	179.6	227	0	ANNUAL	ALL	1	Grid Receptor 25	G25
648544	4077173	0.00703	191	226	0	ANNUAL	ALL	1	Grid Receptor 26	G26
648544	4076773	0.01032	209.2	240	0	ANNUAL	ALL	1	Grid Receptor 27	G27
648544	4076373	0.00437	233.7	240	0	ANNUAL	ALL	1	Grid Receptor 28	G28
648544	4075973	0.00066	199.9	240	0	ANNUAL	ALL	1	Grid Receptor 29	G29
647744	4078373	0.0032	144.4	144.4	0	ANNUAL	ALL	1	Grid Receptor 3	G3
648544	4075573	0.00058	195.5	227	0	ANNUAL	ALL	1	Grid Receptor 30	G30
648944	4079173	0.00057	190.4	194	0	ANNUAL	ALL	1	Grid Receptor 31	G31
648944	4078773	0.0006	165.4	165.4	0	ANNUAL	ALL	1	Grid Receptor 32	G32
648944	4078373	0.00068	159.6	259	0	ANNUAL	ALL	1	Grid Receptor 33	G33
648944	4077973	0.00093	183.5	259	0	ANNUAL	ALL	1	Grid Receptor 34	G34
648944	4077573	0.00213	224	226	0	ANNUAL	ALL	1	Grid Receptor 35	G35
648944	4076373	0.00259	205	240	0	ANNUAL	ALL	1	Grid Receptor 38	G38
648944	4075973	0.00113	208.8	220	0	ANNUAL	ALL	1	Grid Receptor 39	G39
647744	4077973	0.00365	134.6	181	0	ANNUAL	ALL	1	Grid Receptor 4	G4
648944	4075573	0.00083	185.6	300	0	ANNUAL	ALL	1	Grid Receptor 40	G40
649344	4079173	0.00053	187.4	801	0	ANNUAL	ALL	1	Grid Receptor 41	G41
649344	4078773	0.00053	160.9	813	0	ANNUAL	ALL	1	Grid Receptor 42	G42
649344	4078373	0.00061	200.5	221	0	ANNUAL	ALL	1	Grid Receptor 43	G43
649344	4077973	0.00115	229	253	0	ANNUAL	ALL	1	Grid Receptor 44	G44
649344	4077573	0.00579	253.3	259	0	ANNUAL	ALL	1	Grid Receptor 45	G45
649344	4076373	0.02226	220.2	263	0	ANNUAL	ALL	1	Grid Receptor 48	G48
649344	4075973	0.00775	227.2	227.2	0	ANNUAL	ALL	1	Grid Receptor 49	G49
647744	4077573	0.00393	163.8	171	0	ANNUAL	ALL	1	Grid Receptor 5	G5
649344	4075573	0.00358	205.5	300	0	ANNUAL	ALL	1	Grid Receptor 50	G50
649744	4079173	0.00049	176.1	830	0	ANNUAL	ALL	1	Grid Receptor 51	G51
649744	4078773	0.00054	195	813	0	ANNUAL	ALL	1	Grid Receptor 52	G52
649744	4078373	0.00061	196.1	227	0	ANNUAL	ALL	1	Grid Receptor 53	G53
649744	4077973	0.00079	215.3	251	0	ANNUAL	ALL	1	Grid Receptor 54	G54
649744	4077573	0.00111	221.6	259	0	ANNUAL	ALL	1	Grid Receptor 55	G55
649744	4076373	0.03174	211.7	266	0	ANNUAL	ALL	1	Grid Receptor 58	G58
649744	4075973	0.03515	237.7	257	0	ANNUAL	ALL	1	Grid Receptor 59	G59
647744	4077173	0.00487	158.4	171	0	ANNUAL	ALL	1	Grid Receptor 6	G6
649744	4075573	0.00911	204.2	300	0	ANNUAL	ALL	1	Grid Receptor 60	G60
650144	4079173	0.0005	173	830	0	ANNUAL	ALL	1	Grid Receptor 61	G61

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* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
650144	4078773	0.00054	171	830	0	ANNUAL	ALL	1	Grid Receptor 62	G62
650144	4078373	0.00074	204.6	813	0	ANNUAL	ALL	1	Grid Receptor 63	G63
650144	4077973	0.00102	216.5	290	0	ANNUAL	ALL	1	Grid Receptor 64	G64
650144	4077573	0.00358	257.7	257.7	0	ANNUAL	ALL	1	Grid Receptor 65	G65
650144	4076373	0.01771	231.4	272	0	ANNUAL	ALL	1	Grid Receptor 68	G68
650144	4075973	0.02684	249.4	266	0	ANNUAL	ALL	1	Grid Receptor 69	G69
647744	4076773	0.0032	164.7	164.7	0	ANNUAL	ALL	1	Grid Receptor 7	G7
650144	4075573	0.01522	216.4	300	0	ANNUAL	ALL	1	Grid Receptor 70	G70
650544	4079173	0.00057	177	830	0	ANNUAL	ALL	1	Grid Receptor 71	G71
650544	4078773	0.00068	180.9	830	0	ANNUAL	ALL	1	Grid Receptor 72	G72
650544	4078373	0.00082	196.6	830	0	ANNUAL	ALL	1	Grid Receptor 73	G73
650544	4077973	0.00187	236.9	801	0	ANNUAL	ALL	1	Grid Receptor 74	G74
650544	4077573	0.00413	261.3	287	0	ANNUAL	ALL	1	Grid Receptor 75	G75
650544	4076373	0.01208	260.9	260.9	0	ANNUAL	ALL	1	Grid Receptor 78	G78
650544	4075973	0.01167	226.7	287	0	ANNUAL	ALL	1	Grid Receptor 79	G79
647744	4076373	0.00142	164	164	0	ANNUAL	ALL	1	Grid Receptor 8	G8
650544	4075573	0.00992	268.2	287	0	ANNUAL	ALL	1	Grid Receptor 80	G80
650944	4079173	0.00065	181.3	830	0	ANNUAL	ALL	1	Grid Receptor 81	G81
650944	4078773	0.00069	178.4	830	0	ANNUAL	ALL	1	Grid Receptor 82	G82
650944	4078373	0.00103	214.8	830	0	ANNUAL	ALL	1	Grid Receptor 83	G83
650944	4077973	0.00388	249.9	813	0	ANNUAL	ALL	1	Grid Receptor 84	G84
650944	4077573	0.00148	276.5	296	0	ANNUAL	ALL	1	Grid Receptor 85	G85
650944	4077173	0.00363	225.6	296	0	ANNUAL	ALL	1	Grid Receptor 86	G86
650944	4076773	0.00673	219.8	267	0	ANNUAL	ALL	1	Grid Receptor 87	G87
650944	4076373	0.00764	209.2	273	0	ANNUAL	ALL	1	Grid Receptor 88	G88
650944	4075973	0.00834	216.6	287	0	ANNUAL	ALL	1	Grid Receptor 89	G89
647744	4075973	0.00067	160.7	160.7	0	ANNUAL	ALL	1	Grid Receptor 9	G9
650944	4075573	0.01162	243.2	289	0	ANNUAL	ALL	1	Grid Receptor 90	G90
651344	4079173	0.00065	191	830	0	ANNUAL	ALL	1	Grid Receptor 91	G91
651344	4078773	0.00077	181	830	0	ANNUAL	ALL	1	Grid Receptor 92	G92
651344	4078373	0.00133	214.3	830	0	ANNUAL	ALL	1	Grid Receptor 93	G93
651344	4077973	0.00329	248.4	826	0	ANNUAL	ALL	1	Grid Receptor 94	G94
651344	4077573	0.00233	213.2	826	0	ANNUAL	ALL	1	Grid Receptor 95	G95
651344	4077173	0.00368	213.6	813	0	ANNUAL	ALL	1	Grid Receptor 96	G96
651344	4076773	0.00526	203.5	813	0	ANNUAL	ALL	1	Grid Receptor 97	G97
651344	4076373	0.0058	205.6	220	0	ANNUAL	ALL	1	Grid Receptor 98	G98
651344	4075973	0.00645	205.8	269	0	ANNUAL	ALL	1	Grid Receptor 99	G99
648584.24	4077523	0.00456	183.61	227	0	ANNUAL	ALL	1	Boundary Perimeter 1	P1
649484.05	4077537	0.0053	254.01	257	0	ANNUAL	ALL	1	Boundary Perimeter 10	P10
649584.03	4077539	0.00228	235.3	259	0	ANNUAL	ALL	1	Boundary Perimeter 11	P11

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* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
649684.02	4077540	0.0011	221.29	259	0	ANNUAL	ALL	1	Boundary Perimeter 12	P12
649784	4077541	0.00122	222.37	260	0	ANNUAL	ALL	1	Boundary Perimeter 13	P13
649883.99	4077542	0.00203	233.6	259	0	ANNUAL	ALL	1	Boundary Perimeter 14	P14
649983.97	4077543	0.00395	249.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 15	P15
650083.94	4077546	0.00344	258.89	258.89	0	ANNUAL	ALL	1	Boundary Perimeter 16	P16
650183.91	4077548	0.00361	259.56	259.56	0	ANNUAL	ALL	1	Boundary Perimeter 17	P17
650283.87	4077550	0.0044	256.77	266	0	ANNUAL	ALL	1	Boundary Perimeter 18	P18
650383.84	4077552	0.00432	242.37	290	0	ANNUAL	ALL	1	Boundary Perimeter 19	P19
648684.22	4077525	0.00403	197.16	227	0	ANNUAL	ALL	1	Boundary Perimeter 2	P2
650483.81	4077554	0.00434	242.23	296	0	ANNUAL	ALL	1	Boundary Perimeter 20	P20
650583.78	4077557	0.0046	259.71	290	0	ANNUAL	ALL	1	Boundary Perimeter 21	P21
650683.75	4077559	0.00502	257.58	296	0	ANNUAL	ALL	1	Boundary Perimeter 22	P22
650776.81	4077554	0.00263	267.9	296	0	ANNUAL	ALL	1	Boundary Perimeter 23	P23
650778.91	4077454	0.0016	275.91	275.91	0	ANNUAL	ALL	1	Boundary Perimeter 24	P24
650781	4077354	0.00309	265.73	281	0	ANNUAL	ALL	1	Boundary Perimeter 25	P25
650783.1	4077254	0.00523	251.08	282	0	ANNUAL	ALL	1	Boundary Perimeter 26	P26
650785.19	4077154	0.00537	252.83	281	0	ANNUAL	ALL	1	Boundary Perimeter 27	P27
650787.29	4077054	0.00606	246.1	269	0	ANNUAL	ALL	1	Boundary Perimeter 28	P28
650789.38	4076954	0.00722	241.37	269	0	ANNUAL	ALL	1	Boundary Perimeter 29	P29
648784.19	4077527	0.00352	209.74	209.74	0	ANNUAL	ALL	1	Boundary Perimeter 3	P3
650791.48	4076854	0.00944	246.79	251	0	ANNUAL	ALL	1	Boundary Perimeter 30	P30
650793.57	4076754	0.00786	228.75	264	0	ANNUAL	ALL	1	Boundary Perimeter 31	P31
650754.39	4076683	0.00791	217.76	271	0	ANNUAL	ALL	1	Boundary Perimeter 32	P32
650660.22	4076650	0.00855	221.2	273	0	ANNUAL	ALL	1	Boundary Perimeter 33	P33
650561.43	4076650	0.00922	220.83	273	0	ANNUAL	ALL	1	Boundary Perimeter 34	P34
650462.72	4076666	0.01004	223.42	273	0	ANNUAL	ALL	1	Boundary Perimeter 35	P35
650364.01	4076682	0.01074	222.46	263	0	ANNUAL	ALL	1	Boundary Perimeter 36	P36
650264.24	4076683	0.01179	223.19	263	0	ANNUAL	ALL	1	Boundary Perimeter 37	P37
650164.71	4076674	0.01303	222.1	249	0	ANNUAL	ALL	1	Boundary Perimeter 38	P38
650065.8	4076660	0.01464	217.03	264	0	ANNUAL	ALL	1	Boundary Perimeter 39	P39
648884.17	4077529	0.00255	214.25	227	0	ANNUAL	ALL	1	Boundary Perimeter 4	P4
649980.44	4076627	0.01721	214.82	264	0	ANNUAL	ALL	1	Boundary Perimeter 40	P40
649920.26	4076547	0.02026	214.91	264	0	ANNUAL	ALL	1	Boundary Perimeter 41	P41
649852.19	4076474	0.02364	214.09	266	0	ANNUAL	ALL	1	Boundary Perimeter 42	P42
649770.68	4076417	0.02892	211.53	266	0	ANNUAL	ALL	1	Boundary Perimeter 43	P43
649680.48	4076375	0.03807	210.17	266	0	ANNUAL	ALL	1	Boundary Perimeter 44	P44
649580.91	4076368	0.05416	208.52	264	0	ANNUAL	ALL	1	Boundary Perimeter 45	P45
649482.48	4076384	0.07346	207.5	264	0	ANNUAL	ALL	1	Boundary Perimeter 46	P46
649391.59	4076425	0.06576	205.17	264	0	ANNUAL	ALL	1	Boundary Perimeter 47	P47
649303.5	4076472	0.00777	202.16	264	0	ANNUAL	ALL	1	Boundary Perimeter 48	P48

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* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
649226.19	4076535	0.00348	196.38	264	0	ANNUAL	ALL	1	Boundary Perimeter 49	P49
648984.14	4077530	0.0019	221.41	221.41	0	ANNUAL	ALL	1	Boundary Perimeter 5	P5
649156.2	4076605	0.02037	195.87	264	0	ANNUAL	ALL	1	Boundary Perimeter 50	P50
649068.25	4076653	0.02314	196.32	264	0	ANNUAL	ALL	1	Boundary Perimeter 51	P51
648986.7	4076711	0.01901	192.42	263	0	ANNUAL	ALL	1	Boundary Perimeter 52	P52
648936.53	4076759	0.01645	192.46	250	0	ANNUAL	ALL	1	Boundary Perimeter 53	P53
648868.58	4076833	0.01339	191.63	250	0	ANNUAL	ALL	1	Boundary Perimeter 54	P54
648797.23	4076902	0.01101	186.32	250	0	ANNUAL	ALL	1	Boundary Perimeter 55	P55
648710.56	4076952	0.00948	179.81	250	0	ANNUAL	ALL	1	Boundary Perimeter 56	P56
648620.79	4076996	0.00841	176.23	250	0	ANNUAL	ALL	1	Boundary Perimeter 57	P57
648607.19	4077051	0.00781	175.02	250	0	ANNUAL	ALL	1	Boundary Perimeter 58	P58
648680.07	4077119	0.00773	180.62	250	0	ANNUAL	ALL	1	Boundary Perimeter 59	P59
649084.12	4077532	0.00132	216.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 6	P6
648759.24	4077180	0.00727	183.47	259	0	ANNUAL	ALL	1	Boundary Perimeter 60	P60
648791.44	4077262	0.0064	202.88	245	0	ANNUAL	ALL	1	Boundary Perimeter 61	P61
648788.45	4077362	0.00446	178.21	259	0	ANNUAL	ALL	1	Boundary Perimeter 62	P62
648691.25	4077361	0.00533	176.25	259	0	ANNUAL	ALL	1	Boundary Perimeter 63	P63
648591.35	4077357	0.00584	176	259	0	ANNUAL	ALL	1	Boundary Perimeter 64	P64
648525.69	4077371	0.00581	175.24	245	0	ANNUAL	ALL	1	Boundary Perimeter 65	P65
648586.93	4077430	0.00525	175.13	259	0	ANNUAL	ALL	1	Boundary Perimeter 66	P66
649184.09	4077534	0.00183	230.71	259	0	ANNUAL	ALL	1	Boundary Perimeter 7	P7
649284.08	4077535	0.00601	248.08	259	0	ANNUAL	ALL	1	Boundary Perimeter 8	P8
649384.06	4077536	0.00482	258.43	258.43	0	ANNUAL	ALL	1	Boundary Perimeter 9	P9
645930	4077983	0.00271	127.38	127.38	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4077983	0.00274	131.21	131.21	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4077983	0.00277	135.89	135.89	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4077983	0.0028	139.18	139.18	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4077983	0.00281	140.76	140.76	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4077983	0.00283	143.89	143.89	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4077983	0.00284	145.22	145.22	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4077983	0.00285	147.21	147.21	0	ANNUAL	ALL	1	New Development	RP_G1
646730	4077983	0.00286	148.3	160	0	ANNUAL	ALL	1	New Development	RP_G1
645930	4078083	0.00264	127.58	127.58	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4078083	0.00266	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4078083	0.00268	134.35	134.35	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4078083	0.00269	139.22	139.22	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4078083	0.00271	144.65	144.65	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4078083	0.00272	142.28	142.28	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4078083	0.00273	146.76	146.76	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4078083	0.00276	150.64	150.64	0	ANNUAL	ALL	1	New Development	RP_G1

* AERMET (21112): 2018

16:18:56

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
646730	4078083	0.00279	155.4	157	0	ANNUAL	ALL	1	New Development	RP G1
645930	4078183	0.00256	127.22	127.22	0	ANNUAL	ALL	1	New Development	RP G1
646030	4078183	0.00257	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP G1
646130	4078183	0.00258	133.89	133.89	0	ANNUAL	ALL	1	New Development	RP G1
646230	4078183	0.0026	140.45	140.45	0	ANNUAL	ALL	1	New Development	RP G1
646330	4078183	0.00262	146.94	146.94	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4078183	0.00262	140.23	140.23	0	ANNUAL	ALL	1	New Development	RP G1
646530	4078183	0.00266	147.25	147.25	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4078183	0.00269	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP_G1
646730	4078183	0.00275	157.78	166	0	ANNUAL	ALL	1	New Development	RP_G1
645930	4078283	0.00247	126.06	126.06	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4078283	0.00248	129.56	129.56	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4078283	0.0025	132.89	132.89	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4078283	0.00252	139.24	139.24	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4078283	0.00254	142.68	142.68	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4078283	0.00256	140.02	140.02	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4078283	0.00261	147.22	147.22	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4078283	0.00266	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP_G1
646730	4078283	0.00272	156.78	166	0	ANNUAL	ALL	1	New Development	RP_G1
648659.32	4077241	0.0077	205.79	205.79	0	ANNUAL	ALL	1	House 1	RP_H1
648071.24	4076116	0.00083	169.6	240	0	ANNUAL	ALL	1	House 10	RP_H10
648247.37	4076278	0.00126	184.55	240	0	ANNUAL	ALL	1	House 11	RP_H11
648027.19	4076255	0.00115	169.38	240	0	ANNUAL	ALL	1	House 12	RP_H12
648065.77	4076359	0.00149	173.83	240	0	ANNUAL	ALL	1	House 13	RP_H13
648138.68	4076400	0.00172	178.22	240	0	ANNUAL	ALL	1	House 14	RP_H14
648254.71	4076411	0.00191	191.28	240	0	ANNUAL	ALL	1	House 15	RP_H15
647877.81	4076365	0.00144	165.39	240	0	ANNUAL	ALL	1	House 16	RP_H16
647520	4076206	0.00101	159	159	0	ANNUAL	ALL	1	House 17	RP_H17
647921	4076247	0.00111	164	240	0	ANNUAL	ALL	1	House 18	RP_H18
647708.78	4076352	0.00134	163.52	163.52	0	ANNUAL	ALL	1	House 19	RP_H19
648371.71	4075470	0.00048	173.69	227	0	ANNUAL	ALL	1	House 2	RP_H2
647703.58	4076251	0.0011	162.17	162.17	0	ANNUAL	ALL	1	House 20	RP_H20
647718.77	4076104	0.00086	159.35	159.35	0	ANNUAL	ALL	1	House 21	RP_H21
647843.32	4076125	0.00088	163	234	0	ANNUAL	ALL	1	House 22	RP_H22
647842.26	4076500	0.00195	167.93	167.93	0	ANNUAL	ALL	1	House 23	RP_H23
647727.75	4076644	0.00248	164.15	164.15	0	ANNUAL	ALL	1	House 24	RP_H24
647823.91	4076644	0.00264	168.29	168.29	0	ANNUAL	ALL	1	House 25	RP_H25
647530	4076497	0.0017	159.56	159.56	0	ANNUAL	ALL	1	House 26	RP_H26
647810.11	4076854	0.00396	162.9	162.9	0	ANNUAL	ALL	1	House 27	RP_H27
647697.48	4076989	0.00441	161.42	162	0	ANNUAL	ALL	1	House 28	RP_H28

* AERMET (21112): 2018

16:18:56

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U*

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- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y Y	,3(1A,F13.3),3(1A,F8.2) AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	1
648225.5	4076182	0.00096	183.22	240	ZFLAG 0	ANNUAL	ALL	1	House 29	RP H29	
647678.23	4075182	0.00098	159.5	159.5	0	ANNUAL	ALL	1	House 3	RP H3	
645876.32	4077487	0.00257	127.13	142	0	ANNUAL	ALL	1	House 30	RP H30	
650902	4076062	0.00237	215.24	287	0	ANNUAL	ALL	1	House 31		MIER
651490	4076597	0.00519	205.5	813	0	ANNUAL	ALL	1	House 32	RP H32	MILLIK
651565	4070397	0.00319	213.93	813	0	ANNUAL	ALL	<u> </u>	House 33	RP H33	
648672.77	4077307	0.00083	225.91	227	0	ANNUAL	ALL	1	House 34	RP H34	
648383.6	4075469	0.00049	174.44	227	0	ANNUAL	ALL	<u> </u>	House 35	RP H35	
646379.37	4077233	0.00266	146	146	0	ANNUAL	ALL	1	House 36	RP H36	
651849.72	4077233	0.00266	201.97	333	0	ANNUAL	ALL	<u> </u>	House 37	RP H37	
652045.49	4076210	0.00302	196.88	813	0		ALL	1	House 38		
652255.69	4076210	0.00369			0	ANNUAL		<u> </u>		RP_H38	
	4075985		197.06	813		ANNUAL	ALL	1	House 39	RP_H39	
647815.25		0.00066	162.04	162.04	0	ANNUAL	ALL	1 1	House 4	RP_H4	
646853.73	4077373	0.00345	145.99	145.99	0	ANNUAL	ALL	<u> </u>	House 40	RP_H40	
647050.21	4077360	0.00369	145	145	0	ANNUAL	ALL	1	House 41	RP_H41	
647286.42	4077474	0.00381	149.68	153	0	ANNUAL	ALL	1	House 42	RP_H42	
647359.05	4077340	0.00409	154.45	159	0	ANNUAL	ALL	1	House 43	RP_H43	
647490.41	4077329	0.00427	162.28	162.28	0	ANNUAL	ALL	1	House 44	RP_H44	
647522.17	4077252	0.00443	164.3	164.3	0	ANNUAL	ALL	1	House 45	RP_H45	
647517.82	4077139	0.00437	164.01	164.01	0	ANNUAL	ALL	1	House 46	RP_H46	
646819.01	4077258	0.00326	151.53	152	0	ANNUAL	ALL	1	House 47	RP_H47	
646778.72	4077128	0.0029	158.51	158.51	0	ANNUAL	ALL	1	House 48	RP_H48	
646987.26	4077213	0.00342	146.44	146.44	0	ANNUAL	ALL	1	House 49	RP_H49	
647898.2	4076033	0.00071	163.83	237	0	ANNUAL	ALL	1	House 5	RP_H5	
647241.77	4077227	0.0039	154.85	154.85	0	ANNUAL	ALL	1	House 50	RP_H50	
646773.05	4077063	0.0027	159	159	0	ANNUAL	ALL	1	House 51	RP_H51	
647104.37	4077118	0.00339	148.99	148.99	0	ANNUAL	ALL	1	House 52	RP_H52	
647291.9	4077123	0.0038	158.62	158.62	0	ANNUAL	ALL	1	House 53	RP_H53	
646765.24	4076978	0.00243	158.67	158.67	0	ANNUAL	ALL	1	House 54	RP_H54	
646995.65	4076984	0.00273	152.34	152.34	0	ANNUAL	ALL	1	House 55	RP_H55	
647317.21	4077031	0.00353	160.22	160.22	0	ANNUAL	ALL	1	House 56	RP_H56	
647398.39	4077013	0.00365	161.26	161.26	0	ANNUAL	ALL	1	House 57	RP_H57	
646978.93	4076904	0.00245	156.81	156.81	0	ANNUAL	ALL	1	House 58	RP_H58	
647015.19	4076807	0.00221	156.21	156.21	0	ANNUAL	ALL	1	House 59	RP_H59	
648045.44	4076018	0.00065	168.26	240	0	ANNUAL	ALL	1	House 6	RP_H6	
647163.96	4076802	0.00234	154.38	154.38	0	ANNUAL	ALL	1	House 60	RP_H60	
647310.58	4076940	0.00312	162.49	162.49	0	ANNUAL	ALL	1	House 61	RP_H61	
647298.09	4076805	0.00252	158	158	0	ANNUAL	ALL	1	House 62	RP_H62	
647446.56	4076900	0.0032	159.45	159.45	0	ANNUAL	ALL	1	House 63	RP_H63	
647464.49	4076781	0.00267	159.32	159.32	0	ANNUAL	ALL	1	House 64	RP_H64	

* AERMET (21112): 2018

16:18:56

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U*
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- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
647512	4076536	0.00182	159	159	0	ANNUAL	ALL	1	House 65	RP_H65
651131	4078767	0.0007	179.58	830	0	ANNUAL	ALL	1	House 66	RP_H66
647131	4077336	0.00379	146.77	146.77	0	ANNUAL	ALL	1	House 67	RP_H67
646798	4076740	0.0019	156.07	156.07	0	ANNUAL	ALL	1	House 68	RP_H68
646900	4076802	0.00211	159	159	0	ANNUAL	ALL	1	House 69	RP_H69
648126.33	4075955	0.00054	171.51	240	0	ANNUAL	ALL	1	House 7	RP_H7
647317	4076662	0.00208	159.9	159.9	0	ANNUAL	ALL	1	House 70	RP_H70
648249.26	4075970	0.00055	183.42	240	0	ANNUAL	ALL	1	House 8	RP_H8
648218.58	4076109	0.00078	182.28	240	0	ANNUAL	ALL	1	House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

16:19:06

* AERMET (19191): 2019

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U*
- PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

TORN	1A1. (A,1A	$, \mathcal{I}(1\Lambda, \Gamma 1\mathcal{I}, \mathcal{I}), \mathcal{I}(1\Lambda, \Gamma 0)$	2),211,110,211	,710,271,10.0),2M,MO)						_
\mathbf{X}	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
645996	4078698	0.00262	123.85	123.85	0	ANNUAL	ALL	1	AQ Monitoring Station	AQ_ST_1	
643903.65	4077719	0.00058	105.68	105.68	0	ANNUAL	ALL	1	Hazel Hawkins Memorial Hospital	CR HP 1	1
642056.782	4079416	0.00079	85.12	85.12	0	ANNUAL	ALL	1	Dunne Park	CR_PK_1	
642179.095	4079950	0.00099	117.99	117.99	0	ANNUAL	ALL	1	Vista Park Hill Park	CR PK 2	1
644733.142	4078753	0.00145	106.44	106.44	0	ANNUAL	ALL	1	Las Brisas Park	CR PK 3	
645608.808	4078854	0.00227	112.86	112.86	0	ANNUAL	ALL	1	Frank Klauer Memorial Park	CR PK 4	1
644238.054	4078807	0.00121	95.25	95.25	0	ANNUAL	ALL	1	Veterans Memorial Park	CR PK 5	
645311.476	4076559	0.00036	134.61	134.61	0	ANNUAL	ALL	1	Park 6	CR PK 6	1
649581.689	4073424	0.00227	159.96	318	0	ANNUAL	ALL	1	Park 7	CR PK 7	
645145.11	4077181	0.00052	133	133	0	ANNUAL	ALL	1	Cerra Vista Elem School	CR SC 1	1
642904.712	4079955	0.0012	86	86	0	ANNUAL	ALL	1	San Andreas Continuation	CR SC 10	
645850.678	4074015	0.00033	123	313	0	ANNUAL	ALL	1	SouthSide School	CR SC 11	1
642105.679	4078176	0.00051	91	91	0	ANNUAL	ALL	1	School 12	CR SC 12	
646058.93	4078443	0.00237	128.52	128.52	0	ANNUAL	ALL	1	Rancho Santana School	CR SC 13	Schoo
647269	4075575	0.00041	158	158	0	ANNUAL	ALL	1	Future School	CR SC 14	Schoo
648466	4074106	0.00091	159	240	0	ANNUAL	ALL	1	Tres Pinos Union Elementary School	CR SC 15	1
644109.6	4078389	0.00092	98.2	98.2	0	ANNUAL	ALL	1	Sunnyslope Elem School	CR SC 2	
643920.12	4077304	0.00044	101.23	101.23	0	ANNUAL	ALL	1	Hollister Montessori School	CR SC 3	1
642961.07	4078621	0.00074	92	92	0	ANNUAL	ALL	1	Rancho San Justo Middle School	CR SC 4	
643980.02	4079743	0.00156	88	88	0	ANNUAL	ALL	1	Marguerite Maze Middle School	CR_SC_5	1
641630.17	4079153	0.00066	85	85	0	ANNUAL	ALL	1	Hollister Prep Schoo	CR_SC_6	
643350.03	4077181	0.00039	98.22	98.22	0	ANNUAL	ALL	1	Ladd Lane Elementary School	CR_SC_7	1
644002.96	4080079	0.0017	87	87	0	ANNUAL	ALL	1	Gabilan Hills Elementary School	CR_SC_8	
642244.858	4078413	0.00059	90.17	90.17	0	ANNUAL	ALL	1	San Benito High School	CR_SC_9	
642083.447	4079794	0.00091	87.58	127	0	ANNUAL	ALL	1	Jovenes De Antano	CR_SR_1	
646402	4076879	0.00054	146.33	153	0	ANNUAL	ALL	1	Workplace	CR_WP_1	
648949	4077938	0.00258	189.45	259	0	ANNUAL	ALL	1	Nearest Workplace	CR_WP_2	MEIV
647744	4079173	0.00413	155.2	155.2	0	ANNUAL	ALL	1	Grid Receptor 1	G1	
647744	4075573	0.00038	160	160	0	ANNUAL	ALL	1	Grid Receptor 10	G10	
651344	4075573	0.00817	252.9	252.9	0	ANNUAL	ALL	1	Grid Receptor 100	G100	
648144	4079173	0.00286	165.9	165.9	0	ANNUAL	ALL	1	Grid Receptor 11	G11	
648144	4078773	0.00413	159.6	159.6	0	ANNUAL	ALL	1	Grid Receptor 12	G12	
648144	4078373	0.00596	146.2	146.2	0	ANNUAL	ALL	1	Grid Receptor 13	G13	
648144	4077973	0.00828	158.3	181	0	ANNUAL	ALL	1	Grid Receptor 14	G14	
648144	4077573	0.00894	166.6	179	0	ANNUAL	ALL	1	Grid Receptor 15	G15	
648144	4077173	0.00502	175.4	175.4	0	ANNUAL	ALL	1	Grid Receptor 16	G16	
648144	4076773	0.0012	177.1	240	0	ANNUAL	ALL	1	Grid Receptor 17	G17	
648144	4076373	0.00055	178	240	0	ANNUAL	ALL	1	Grid Receptor 18	G18	
648144	4075973	0.00053	173	240	0	ANNUAL	ALL	1	Grid Receptor 19	G19	
647744	4078773	0.00534	145.4	145.4	0	ANNUAL	ALL	1	Grid Receptor 2	G2	
648144	4075573	0.00043	168.8	190	0	ANNUAL	ALL	1	Grid Receptor 20	G20	
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* AERMET (19191): 2019

16:19:06

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

\mathbf{X}	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID Description	ID
648544	4079173	0.00174	173.5	191	0	ANNUAL	ALL	1	Grid Receptor 21	G21
648544	4078773	0.00231	166.2	166.2	0	ANNUAL	ALL	1	Grid Receptor 22	G22
648544	4078373	0.00352	145.4	253	0	ANNUAL	ALL	1	Grid Receptor 23	G23
648544	4077973	0.00656	173.9	214	0	ANNUAL	ALL	1	Grid Receptor 24	G24
648544	4077573	0.01155	179.6	227	0	ANNUAL	ALL	1	Grid Receptor 25	G25
648544	4077173	0.01301	191	226	0	ANNUAL	ALL	1	Grid Receptor 26	G26
648544	4076773	0.00314	209.2	240	0	ANNUAL	ALL	1	Grid Receptor 27	G27
648544	4076373	0.00211	233.7	240	0	ANNUAL	ALL	1	Grid Receptor 28	G28
648544	4075973	0.00068	199.9	240	0	ANNUAL	ALL	1	Grid Receptor 29	G29
647744	4078373	0.00652	144.4	144.4	0	ANNUAL	ALL	1	Grid Receptor 3	G3
648544	4075573	0.00058	195.5	227	0	ANNUAL	ALL	1	Grid Receptor 30	G30
648944	4079173	0.00105	190.4	194	0	ANNUAL	ALL	1	Grid Receptor 31	G31
648944	4078773	0.0012	165.4	165.4	0	ANNUAL	ALL	1	Grid Receptor 32	G32
648944	4078373	0.00155	159.6	259	0	ANNUAL	ALL	1	Grid Receptor 33	G33
648944	4077973	0.00245	183.5	259	0	ANNUAL	ALL	1	Grid Receptor 34	G34
648944	4077573	0.00615	224	226	0	ANNUAL	ALL	1	Grid Receptor 35	G35
648944	4076373	0.00219	205	240	0	ANNUAL	ALL	1	Grid Receptor 38	G38
648944	4075973	0.00133	208.8	220	0	ANNUAL	ALL	1	Grid Receptor 39	G39
647744	4077973	0.00683	134.6	181	0	ANNUAL	ALL	1	Grid Receptor 4	G4
648944	4075573	0.00131	185.6	300	0	ANNUAL	ALL	1	Grid Receptor 40	G40
649344	4079173	0.00069	187.4	801	0	ANNUAL	ALL	1	Grid Receptor 41	G41
649344	4078773	0.0007	160.9	813	0	ANNUAL	ALL	1	Grid Receptor 42	G42
649344	4078373	0.00084	200.5	221	0	ANNUAL	ALL	1	Grid Receptor 43	G43
649344	4077973	0.00141	229	253	0	ANNUAL	ALL	1	Grid Receptor 44	G44
649344	4077573	0.00553	253.3	259	0	ANNUAL	ALL	1	Grid Receptor 45	G45
649344	4076373	0.02684	220.2	263	0	ANNUAL	ALL	1	Grid Receptor 48	G48
649344	4075973	0.00906	227.2	227.2	0	ANNUAL	ALL	1	Grid Receptor 49	G49
647744	4077573	0.00517	163.8	171	0	ANNUAL	ALL	1	Grid Receptor 5	G5
649344	4075573	0.00454	205.5	300	0	ANNUAL	ALL	1	Grid Receptor 50	G50
649744	4079173	0.00053	176.1	830	0	ANNUAL	ALL	1	Grid Receptor 51	G51
649744	4078773	0.00058	195	813	0	ANNUAL	ALL	1	Grid Receptor 52	G52
649744	4078373	0.00063	196.1	227	0	ANNUAL	ALL	1	Grid Receptor 53	G53
649744	4077973	0.00082	215.3	251	0	ANNUAL	ALL	1	Grid Receptor 54	G54
649744	4077573	0.00097	221.6	259	0	ANNUAL	ALL	1	Grid Receptor 55	G55
649744	4076373	0.04038	211.7	266	0	ANNUAL	ALL	1	Grid Receptor 58	G58
649744	4075973	0.03528	237.7	257	0	ANNUAL	ALL	1	Grid Receptor 59	G59
647744	4077173	0.00237	158.4	171	0	ANNUAL	ALL	1	Grid Receptor 6	G6
649744	4075573	0.01037	204.2	300	0	ANNUAL	ALL	1	Grid Receptor 60	G60
650144	4079173	0.00056	173	830	0	ANNUAL	ALL	1	Grid Receptor 61	G61
650144	4078773	0.00059	171	830	0	ANNUAL	ALL	1	Grid Receptor 62	G62
650144	4078373	0.00062	204.6	813	0	ANNUAL	ALL	1	Grid Receptor 63	G63

* AERMET (19191): 2019

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
650144	4077973	0.00059	216.5	290	0	ANNUAL	ALL	1	Grid Receptor 64	G64
650144	4077573	0.00197	257.7	257.7	0	ANNUAL	ALL	1	Grid Receptor 65	G65
650144	4076373	0.01738	231.4	272	0	ANNUAL	ALL	1	Grid Receptor 68	G68
650144	4075973	0.02681	249.4	266	0	ANNUAL	ALL	1	Grid Receptor 69	G69
647744	4076773	0.0008	164.7	164.7	0	ANNUAL	ALL	1	Grid Receptor 7	G7
650144	4075573	0.01609	216.4	300	0	ANNUAL	ALL	1	Grid Receptor 70	G70
650544	4079173	0.00051	177	830	0	ANNUAL	ALL	1	Grid Receptor 71	G71
650544	4078773	0.00045	180.9	830	0	ANNUAL	ALL	1	Grid Receptor 72	G72
650544	4078373	0.00045	196.6	830	0	ANNUAL	ALL	1	Grid Receptor 73	G73
650544	4077973	0.001	236.9	801	0	ANNUAL	ALL	1	Grid Receptor 74	G74
650544	4077573	0.0017	261.3	287	0	ANNUAL	ALL	1	Grid Receptor 75	G75
650544	4076373	0.01016	260.9	260.9	0	ANNUAL	ALL	1	Grid Receptor 78	G78
650544	4075973	0.01307	226.7	287	0	ANNUAL	ALL	1	Grid Receptor 79	G79
647744	4076373	0.00044	164	164	0	ANNUAL	ALL	1	Grid Receptor 8	G8
650544	4075573	0.01059	268.2	287	0	ANNUAL	ALL	1	Grid Receptor 80	G80
650944	4079173	0.00039	181.3	830	0	ANNUAL	ALL	1	Grid Receptor 81	G81
650944	4078773	0.00038	178.4	830	0	ANNUAL	ALL	1	Grid Receptor 82	G82
650944	4078373	0.00054	214.8	830	0	ANNUAL	ALL	1	Grid Receptor 83	G83
650944	4077973	0.0016	249.9	813	0	ANNUAL	ALL	1	Grid Receptor 84	G84
650944	4077573	0.00083	276.5	296	0	ANNUAL	ALL	1	Grid Receptor 85	G85
650944	4077173	0.0024	225.6	296	0	ANNUAL	ALL	1	Grid Receptor 86	G86
650944	4076773	0.00451	219.8	267	0	ANNUAL	ALL	1	Grid Receptor 87	G87
650944	4076373	0.00697	209.2	273	0	ANNUAL	ALL	1	Grid Receptor 88	G88
650944	4075973	0.00908	216.6	287	0	ANNUAL	ALL	1	Grid Receptor 89	G89
647744	4075973	0.00045	160.7	160.7	0	ANNUAL	ALL	1	Grid Receptor 9	G9
650944	4075573	0.01135	243.2	289	0	ANNUAL	ALL	1	Grid Receptor 90	G90
651344	4079173	0.00036	191	830	0	ANNUAL	ALL	1	Grid Receptor 91	G91
651344	4078773	0.00043	181	830	0	ANNUAL	ALL	1	Grid Receptor 92	G92
651344	4078373	0.00066	214.3	830	0	ANNUAL	ALL	1	Grid Receptor 93	G93
651344	4077973	0.00142	248.4	826	0	ANNUAL	ALL	1	Grid Receptor 94	G94
651344	4077573	0.0014	213.2	826	0	ANNUAL	ALL	1	Grid Receptor 95	G95
651344	4077173	0.00254	213.6	813	0	ANNUAL	ALL	1	Grid Receptor 96	G96
651344	4076773	0.0037	203.5	813	0	ANNUAL	ALL	1	Grid Receptor 97	G97
651344	4076373	0.00518	205.6	220	0	ANNUAL	ALL	1	Grid Receptor 98	G98
651344	4075973	0.00671	205.8	269	0	ANNUAL	ALL	1	Grid Receptor 99	G99
648584.24	4077523	0.01223	183.61	227	0	ANNUAL	ALL	1	Boundary Perimeter 1	P1
649484.05	4077537	0.00426	254.01	257	0	ANNUAL	ALL	1	Boundary Perimeter 10	P10
649584.03	4077539	0.00205	235.3	259	0	ANNUAL	ALL	1	Boundary Perimeter 11	P11
649684.02	4077540	0.00105	221.29	259	0	ANNUAL	ALL	1	Boundary Perimeter 12	P12
649784	4077541	0.00091	222.37	260	0	ANNUAL	ALL	1	Boundary Perimeter 13	P13
649883.99	4077542	0.00126	233.6	259	0	ANNUAL	ALL	1	Boundary Perimeter 14	P14

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- FOR A TOTAL OF 289 RECEPTORS.
- FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		,3(1X,F13.5),3(1X,F8.2				A X 700	CDP	NILLY AND CANDERS	D : ::	TID.
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID Date
649983.97	4077543	0.00219	249.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 15	P15
650083.94	4077546	0.0019	258.89	258.89	0	ANNUAL	ALL	1	Boundary Perimeter 16	P16
650183.91	4077548	0.00194	259.56	259.56	0	ANNUAL	ALL	1	Boundary Perimeter 17	P17
650283.87	4077550	0.00214	256.77	266	0	ANNUAL	ALL	1	Boundary Perimeter 18	P18
650383.84	4077552	0.00193	242.37	290	0	ANNUAL	ALL	1	Boundary Perimeter 19	P19
648684.22	4077525	0.0122	197.16	227	0	ANNUAL	ALL	1	Boundary Perimeter 2	P2
650483.81	4077554	0.00188	242.23	296	0	ANNUAL	ALL	1	Boundary Perimeter 20	P20
650583.78	4077557	0.00187	259.71	290	0	ANNUAL	ALL	1	Boundary Perimeter 21	P21
650683.75	4077559	0.00207	257.58	296	0	ANNUAL	ALL	1	Boundary Perimeter 22	P22
650776.81	4077554	0.00127	267.9	296	0	ANNUAL	ALL	1	Boundary Perimeter 23	P23
650778.91	4077454	0.00091	275.91	275.91	0	ANNUAL	ALL	1	Boundary Perimeter 24	P24
650781	4077354	0.0019	265.73	281	0	ANNUAL	ALL	1	Boundary Perimeter 25	P25
650783.1	4077254	0.0033	251.08	282	0	ANNUAL	ALL	1	Boundary Perimeter 26	P26
650785.19	4077154	0.00361	252.83	281	0	ANNUAL	ALL	1	Boundary Perimeter 27	P27
650787.29	4077054	0.00383	246.1	269	0	ANNUAL	ALL	1	Boundary Perimeter 28	P28
650789.38	4076954	0.00429	241.37	269	0	ANNUAL	ALL	1	Boundary Perimeter 29	P29
648784.19	4077527	0.01178	209.74	209.74	0	ANNUAL	ALL	1	Boundary Perimeter 3	P3
650791.48	4076854	0.00542	246.79	251	0	ANNUAL	ALL	1	Boundary Perimeter 30	P30
650793.57	4076754	0.00509	228.75	264	0	ANNUAL	ALL	1	Boundary Perimeter 31	P31
650754.39	4076683	0.00551	217.76	271	0	ANNUAL	ALL	1	Boundary Perimeter 32	P32
650660.22	4076650	0.00601	221.2	273	0	ANNUAL	ALL	1	Boundary Perimeter 33	P33
650561.43	4076650	0.00639	220.83	273	0	ANNUAL	ALL	1	Boundary Perimeter 34	P34
650462.72	4076666	0.0067	223.42	273	0	ANNUAL	ALL	1	Boundary Perimeter 35	P35
650364.01	4076682	0.00692	222.46	263	0	ANNUAL	ALL	1	Boundary Perimeter 36	P36
650264.24	4076683	0.00738	223.19	263	0	ANNUAL	ALL	1	Boundary Perimeter 37	P37
650164.71	4076674	0.00799	222.1	249	0	ANNUAL	ALL	1	Boundary Perimeter 38	P38
650065.8	4076660	0.00883	217.03	264	0	ANNUAL	ALL	1	Boundary Perimeter 39	P39
648884.17	4077529	0.00874	214.25	227	0	ANNUAL	ALL	1	Boundary Perimeter 4	P4
649980.44	4076627	0.01046	214.82	264	0	ANNUAL	ALL	1	Boundary Perimeter 40	P40
649920.26	4076547	0.01428	214.91	264	0	ANNUAL	ALL	1	Boundary Perimeter 41	P41
649852.19	4076474	0.02113	214.09	266	0	ANNUAL	ALL	1	Boundary Perimeter 42	P42
649770.68	4076417	0.03314	211.53	266	0	ANNUAL	ALL	1	Boundary Perimeter 43	P43
649680.48	4076375	0.04924	210.17	266	0	ANNUAL	ALL	1	Boundary Perimeter 44	P44
649580.91	4076368	0.06698	208.52	264	0	ANNUAL	ALL	1	Boundary Perimeter 45	P45
649482.48	4076384	0.08324	207.5	264	0	ANNUAL	ALL	1	Boundary Perimeter 46	P46
649391.59	4076425	0.07168	207.3	264	0	ANNUAL	ALL	1	Boundary Perimeter 47	P47
649391.39	4076423	0.07168	202.16	264	0	ANNUAL	ALL	1	Boundary Perimeter 47 Boundary Perimeter 48	P47 P48
				264				1	•	
649226.19	4076535	0.00271	196.38		0	ANNUAL	ALL	•	Boundary Perimeter 49	P49 P5
648984.14	4077530	0.0056	221.41	221.41	0	ANNUAL	ALL	1	Boundary Perimeter 5	
649156.2	4076605	0.01014	195.87	264	0	ANNUAL	ALL	1	Boundary Perimeter 50	P50
649068.25	4076653	0.01134	196.32	264	0	ANNUAL	ALL	1	Boundary Perimeter 51	P51

09/01/21

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* AERMET (19191): 2019

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- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
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X	V	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648986.7	4076711	0.01215	192.42	263	0	ANNUAL	ALL	1	Boundary Perimeter 52	P52
648936.53	4076759	0.0138	192.46	250	0	ANNUAL	ALL	1	Boundary Perimeter 53	P53
648868.58	4076833	0.01535	191.63	250	0	ANNUAL	ALL	1	Boundary Perimeter 54	P54
648797.23	4076902	0.01493	186.32	250	0	ANNUAL	ALL	1	Boundary Perimeter 55	P55
648710.56	4076952	0.01254	179.81	250	0	ANNUAL	ALL	1	Boundary Perimeter 56	P56
648620.79	4076996	0.01057	176.23	250	0	ANNUAL	ALL	1	Boundary Perimeter 57	P57
648607.19	4077051	0.01184	175.02	250	0	ANNUAL	ALL	1	Boundary Perimeter 58	P58
648680.07	4077119	0.01598	180.62	250	0	ANNUAL	ALL	1	Boundary Perimeter 59	P59
649084.12	4077532	0.00341	216.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 6	P6
648759.24	4077180	0.01805	183.47	259	0	ANNUAL	ALL	1	Boundary Perimeter 60	P60
648791.44	4077262	0.01839	202.88	245	0	ANNUAL	ALL	1	Boundary Perimeter 61	P61
648788.45	4077362	0.01356	178.21	259	0	ANNUAL	ALL	1	Boundary Perimeter 62	P62
648691.25	4077361	0.01436	176.25	259	0	ANNUAL	ALL	1	Boundary Perimeter 63	P63
648591.35	4077357	0.014	176	259	0	ANNUAL	ALL	1	Boundary Perimeter 64	P64
648525.69	4077371	0.0132	175.24	245	0	ANNUAL	ALL	1	Boundary Perimeter 65	P65
648586.93	4077430	0.01321	175.13	259	0	ANNUAL	ALL	1	Boundary Perimeter 66	P66
649184.09	4077534	0.0029	230.71	259	0	ANNUAL	ALL	1	Boundary Perimeter 7	P7
649284.08	4077535	0.00614	248.08	259	0	ANNUAL	ALL	1	Boundary Perimeter 8	P8
649384.06	4077536	0.00441	258.43	258.43	0	ANNUAL	ALL	1	Boundary Perimeter 9	Р9
645930	4077983	0.00154	127.38	127.38	0	ANNUAL	ALL	1	New Development	RP G1
646030	4077983	0.00164	131.21	131.21	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4077983	0.00175	135.89	135.89	0	ANNUAL	ALL	1	New Development	RP G1
646230	4077983	0.00188	139.18	139.18	0	ANNUAL	ALL	1	New Development	RP G1
646330	4077983	0.00201	140.76	140.76	0	ANNUAL	ALL	1	New Development	RP G1
646430	4077983	0.00216	143.89	143.89	0	ANNUAL	ALL	1	New Development	RP G1
646530	4077983	0.00233	145.22	145.22	0	ANNUAL	ALL	1	New Development	RP G1
646630	4077983	0.00251	147.21	147.21	0	ANNUAL	ALL	1	New Development	RP G1
646730	4077983	0.00272	148.3	160	0	ANNUAL	ALL	1	New Development	RP G1
645930	4078083	0.00169	127.58	127.58	0	ANNUAL	ALL	1	New Development	RP G1
646030	4078083	0.0018	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP G1
646130	4078083	0.00192	134.35	134.35	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4078083	0.00206	139.22	139.22	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4078083	0.00221	144.65	144.65	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4078083	0.00236	142.28	142.28	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4078083	0.00254	146.76	146.76	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4078083	0.00274	150.64	150.64	0	ANNUAL	ALL	1	New Development	RP_G1
646730	4078083	0.00297	155.4	157	0	ANNUAL	ALL	1	New Development	RP_G1
645930	4078183	0.00184	127.22	127.22	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4078183	0.00196	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4078183	0.00209	133.89	133.89	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4078183	0.00223	140.45	140.45	0	ANNUAL	ALL	1	New Development	RP_G1

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I												
	X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
	646330	4078183	0.00239	146.94	146.94	0	ANNUAL	ALL	1	New Development	RP G1	1
	646430	4078183	0.00255	140.23	140.23	0	ANNUAL	ALL	1	New Development	RP G1	
	646530	4078183	0.00274	147.25	147.25	0	ANNUAL	ALL	1	New Development	RP_G1	1
	646630	4078183	0.00296	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP G1	
	646730	4078183	0.00321	157.78	166	0	ANNUAL	ALL	1	New Development	RP_G1	1
	645930	4078283	0.00199	126.06	126.06	0	ANNUAL	ALL	1	New Development	RP G1	1
	646030	4078283	0.00211	129.56	129.56	0	ANNUAL	ALL	1	New Development	RP G1	1
	646130	4078283	0.00224	132.89	132.89	0	ANNUAL	ALL	1	New Development	RP_G1	
	646230	4078283	0.00239	139.24	139.24	0	ANNUAL	ALL	1	New Development	RP_G1	1
	646330	4078283	0.00255	142.68	142.68	0	ANNUAL	ALL	1	New Development	RP_G1	
	646430	4078283	0.00273	140.02	140.02	0	ANNUAL	ALL	1	New Development	RP_G1	1
	646530	4078283	0.00294	147.22	147.22	0	ANNUAL	ALL	1	New Development	RP_G1	
	646630	4078283	0.00318	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP_G1	
	646730	4078283	0.00347	156.78	166	0	ANNUAL	ALL	1	New Development	RP_G1	
	648659.32	4077241	0.0183	205.79	205.79	0	ANNUAL	ALL	1	House 1	RP_H1	M
	648071.24	4076116	0.00053	169.6	240	0	ANNUAL	ALL	1	House 10	RP_H10	
	648247.37	4076278	0.00061	184.55	240	0	ANNUAL	ALL	1	House 11	RP_H11	
	648027.19	4076255	0.0005	169.38	240	0	ANNUAL	ALL	1	House 12	RP_H12	
	648065.77	4076359	0.00052	173.83	240	0	ANNUAL	ALL	1	House 13	RP_H13	
	648138.68	4076400	0.00056	178.22	240	0	ANNUAL	ALL	1	House 14	RP_H14	
	648254.71	4076411	0.00064	191.28	240	0	ANNUAL	ALL	1	House 15	RP_H15]
	647877.81	4076365	0.00046	165.39	240	0	ANNUAL	ALL	1	House 16	RP_H16	
	647520	4076206	0.00039	159	159	0	ANNUAL	ALL	1	House 17	RP_H17	
	647921	4076247	0.00046	164	240	0	ANNUAL	ALL	1	House 18	RP_H18	
	647708.78	4076352	0.00042	163.52	163.52	0	ANNUAL	ALL	1	House 19	RP_H19	
	648371.71	4075470	0.00049	173.69	227	0	ANNUAL	ALL	1	House 2	RP_H2	
	647703.58	4076251	0.00042	162.17	162.17	0	ANNUAL	ALL	1	House 20	RP_H20	
	647718.77	4076104	0.00043	159.35	159.35	0	ANNUAL	ALL	1	House 21	RP_H21	
L	647843.32	4076125	0.00046	163	234	0	ANNUAL	ALL	1	House 22	RP_H22	
	647842.26	4076500	0.00052	167.93	167.93	0	ANNUAL	ALL	1	House 23	RP_H23	4
	647727.75	4076644	0.0006	164.15	164.15	0	ANNUAL	ALL	1	House 24	RP_H24	
	647823.91	4076644	0.00063	168.29	168.29	0	ANNUAL	ALL	1	House 25	RP_H25	4
	647530	4076497	0.00046	159.56	159.56	0	ANNUAL	ALL	1	House 26	RP_H26	
	647810.11	4076854	0.00105	162.9	162.9	0	ANNUAL	ALL	1	House 27	RP_H27	4
	647697.48	4076989	0.00136	161.42	162	0	ANNUAL	ALL	1	House 28	RP_H28	
	648225.5	4076182	0.0006	183.22	240	0	ANNUAL	ALL	1	House 29	RP_H29	4
	647678.23	4075969	0.00044	159.5	159.5	0	ANNUAL	ALL	1	House 3	RP_H3	_
	645876.32	4077487	0.00092	127.13	142	0	ANNUAL	ALL	1	House 30	RP_H30	4
	650902	4076062	0.00909	215.24	287	0	ANNUAL	ALL	1	House 31	RP_H31	
	651490	4076597	0.00404	205.5	813	0	ANNUAL	ALL	1	House 32	RP_H32	4
	651565	4077067	0.00278	213.93	813	0	ANNUAL	ALL	1	House 33	RP_H33	

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* AERMET (19191): 2019

16:19:06

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648672.77	4075307	0.00125	225.91	227	0	ANNUAL	ALL	1	House 34	RP H34
648383.6	4075469	0.00049	174.44	227	0	ANNUAL	ALL	1	House 35	RP H35
646379.37	4077233	0.00045	146	146	0	ANNUAL	ALL	1	House 36	RP_H36
651849.72	4075865	0.0051	201.97	333	0	ANNUAL	ALL	1	House 37	RP_H37
652045.49	4076210	0.0031	196.88	813	0	ANNUAL	ALL	1	House 38	RP_H38
652255.69	4076391	0.00314	197.06	813	0	ANNUAL	ALL	1	House 39	RP H39
647815.25	4075985	0.00314	162.04	162.04	0	ANNUAL	ALL	1	House 4	RP H4
646853.73	4077373	0.00047	145.99	145.99	0	ANNUAL	ALL	1	House 40	RP_H40
647050.21	4077360	0.00156	145	145	0	ANNUAL	ALL	1	House 41	RP H41
647286.42	4077474	0.00130	149.68	153	0	ANNUAL	ALL	1	House 42	RP H42
647359.05	4077340	0.00243	154.45	159	0	ANNUAL	ALL	1	House 43	RP H43
647490.41	4077329	0.00208	162.28	162.28	0	ANNUAL	ALL	1	House 44	RP H44
647522.17	4077252	0.0024	164.3	164.3	0	ANNUAL	ALL	1	House 45	RP H45
647517.82	4077139	0.00211	164.01	164.01	0	ANNUAL	ALL	1	House 45	RP_H46
646819.01	4077258	0.00101	151.53	152	0	ANNUAL	ALL	1	House 47	RP H47
646778.72	4077128	0.00112	151.55	158.51	0	ANNUAL	ALL	1	House 48	RP H48
646987.26	4077213	0.00039	146.44	146.44	0	ANNUAL	ALL	1	House 49	RP H49
647898.2	4076033	0.00110	163.83	237	0	ANNUAL	ALL	1	House 5	RP_H5
647241.77	4077227	0.00048	154.85	154.85	0	ANNUAL	ALL	1	House 50	RP H50
646773.05	4077063	0.00140	154.85	154.85	0	ANNUAL	ALL	1	House 51	RP_H51
647104.37	4077118	0.00106	148.99	148.99	0	ANNUAL	ALL	1	House 52	RP H52
647291.9	4077118	0.00100	158.62	158.62	0	ANNUAL	ALL	1	House 53	RP H53
646765.24	4076978	0.00124	158.67	158.67	0	ANNUAL	ALL	1	House 54	RP H54
646995.65	4076984	0.00077	152.34	152.34	0	ANNUAL	ALL	1	House 55	RP_H55
647317.21	4077031	0.00077	160.22	160.22	0	ANNUAL	ALL	1	House 56	RP H56
647398.39	4077013	0.00103	161.26	161.26	0	ANNUAL	ALL	1	House 57	RP H57
646978.93	4076904	0.00108	156.81	156.81	0	ANNUAL	ALL	1	House 58	RP_H58
647015.19	4076807	0.00058	156.21	156.21	0	ANNUAL	ALL	1	House 59	RP_H59
648045.44	4076018	0.00038	168.26	240	0	ANNUAL	ALL	1	House 6	RP H6
647163.96	4076802	0.00032	154.38	154.38	0	ANNUAL	ALL	1	House 60	RP H60
647310.58	4076940	0.00081	162.49	162.49	0	ANNUAL	ALL	1	House 61	RP_H61
647298.09	4076805	0.00065	158	158	0	ANNUAL	ALL	1	House 62	RP H62
			159.45	159.45		ANNUAL	ALL	1		
647446.56 647464.49	4076900 4076781	0.00087	159.45	159.45	0	ANNUAL		1	House 63	RP_H63
		0.00068			0		ALL	1	House 64	RP_H64
647512	4076536	0.00048	159	159	0	ANNUAL	ALL	1	House 65	RP_H65
651131	4078767	0.00039	179.58	830	0	ANNUAL	ALL	<u>l</u> 1	House 66	RP_H66
647131	4077336	0.00162	146.77	146.77	0	ANNUAL	ALL	1	House 67	RP_H67
646798	4076740	0.0005	156.07	156.07	0	ANNUAL	ALL	<u>l</u>	House 68	RP_H68
646900	4076802	0.00056	159	159	0	ANNUAL	ALL	1	House 69	RP_H69
648126.33	4075955	0.00052	171.51	240	0	ANNUAL	ALL	<u>l</u>	House 7	RP_H7
647317	4076662	0.00052	159.9	159.9	0	ANNUAL	ALL	1	House 70	RP_H70

09/01/21

* AERMET (19191): 2019

16:19:06

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648249.26	4075970	0.00055	183.42	240	0	ANNUAL	ALL	1	House 8	RP_H8
648218.58	4076109	0.00059	182.28	240	0	ANNUAL	ALL	1	House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

* AERMET (21112): 2020 16:19:

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

645986 4078698 0.002340 123.85 123.85 0 ANNUAL AIL 1 Hazel Hawkins Memorial Hospital CR IP 1 1 1 1 1 1 1 1 1	X	Υ	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
64990.55 407719										<u> </u>		
64205.78									1			
642179, 4079950 0.001040 117.99 117.99 117.99 0 ANNUAL ALL 1 Las Brisss Park CR, PK, 2 644733,14 40787853 0.001400 106.44 10.64 10									1			
64473.14 4078753 0.001400 106.44 106.44 106.44 10 ANNUAL ALL 1 Las Brisss Park CR. PK. 3 64428.05 4078807 0.001200 95.25 95.25 0 ANNUAL ALL 1 Veteraus Memorial Park CR. PK. 4 64428.05 4078807 0.001200 95.25 95.25 0 ANNUAL ALL 1 Park 6 CR. PK. 6 649581.08 4076559 0.000550 134.61 134.61 0 ANNUAL ALL 1 Park 7 CR. PK. 6 649581.08 4073424 0.002780 159.96 318 0 ANNUAL ALL 1 Card Varias Elem School CR. SC. 1 64390.17 4079955 0.001240 86 86 0 ANNUAL ALL 1 Sunfaires Continuation CR. SC. 1 64390.17 4074015 0.000400 123 313 0 ANNUAL ALL 1 Sunfaires Continuation CR. SC. 1 64290.17 4078575 0.000120 128.52 128.52 0 ANNUAL ALL 1 Sunfaires Continuation CR. SC. 1 647204 4075575 0.0001200 128.52 128.52 0 ANNUAL ALL 1 Sunfaires Continuation CR. SC. 1 648466 4074106 0.000560 91 91 0 ANNUAL ALL 1 Sunfaires Continuation CR. SC. 1 648466 4074106 0.000560 158 158 0 ANNUAL ALL 1 Britus School CR. SC. 1 649001 4074106 0.000560 159 240 0 ANNUAL ALL 1 Future School CR. SC. 1 649001 4074106 0.000560 98.2 98.2 0 ANNUAL ALL 1 Sungsyope Elem School CR. SC. 1 64990.01 4077034 0.000660 10.23 10.123 0 ANNUAL ALL 1 Sungsyope Elem School CR. SC. 1 64990.02 4077034 0.000660 98.2 98.2 0 ANNUAL ALL 1 Sungsyope Elem School CR. SC. 2 64090.01 4077034 0.000660 98.2 98.2 0 ANNUAL ALL 1 Britter Rep School CR. SC. 2 641990.01 4077034 0.000660 0.123 10.123 0 ANNUAL ALL 1 Britter Rep School CR. SC. 5 641990.01 4077034 0.000660 0.123 10.123 0 ANNUAL ALL 1 Britter Rep School CR. SC. 5 641990.01 4077034 0.000660 0.123 10.123 0 ANNUAL ALL 1 Britter Rep School CR. SC. 6 641990.01 4077034 0.000660 0.123 10.123 0 ANNUAL ALL 1 Britter Rep School CR. SC. 6 641990.01 40									1			1
64508.81 4078897 0.002080 112.86 112.86 0 ANNUAL ALL Frank Klauer Memorial Park CR, PK, 4 644238.05 4078897 0.001200 95.25 95.25 0. ANNUAL ALL Vetrams Memorial Park CR, PK, 6 64938.16 4074529 0.000550 134.61 134.61 0 ANNUAL ALL Park 6 CR, PK, 6 64958.16 4074124 0.0002780 133.81 0 ANNUAL ALL Park 7 CR, PK, 7 645145.11 4077181 0.000720 133 133 0 ANNUAL ALL Cerra Vista Elem School CR, SC, 1 64585.01 0.000400 123 313 0 ANNUAL ALL San Andreas Continuation CR, SC, 10 645850.68 4074015 0.000400 123 313 0 ANNUAL ALL SouthSide School CR, SC, 10 645850.68 4074015 0.000400 123 313 0 ANNUAL ALL SouthSide School CR, SC, 11 6405893 4078443 0.000260 0 1 0 0 ANNUAL ALL Rancho Soattana School CR, SC, 12 6405893 4078443 0.000260 0 128.52 128.52 0 ANNUAL ALL Rancho Soattana School CR, SC, 12 6406893 4078443 0.000260 159 240 0 ANNUAL ALL Terra Pinos Union Elementary School CR, SC, 13 644109.6 4073406 0.000860 159 240 0 ANNUAL ALL Terra Pinos Union Elementary School CR, SC, 12 64409.6 4073406 0.000860 159 240 0 ANNUAL ALL Terra Pinos Union Elementary School CR, SC, 24 64390.12 4077304 0.000860 101.23 101.23 0 ANNUAL ALL Terra Pinos Union Elementary School CR, SC, 3 64309.12 4077304 0.000860 101.23 101.23 0 ANNUAL ALL Hollister Mortesseri School CR, SC, 5 64309.10 4079373 0.000810 82 82 88 0 ANNUAL ALL Marguerite Mace Middle School CR, SC, 5 64309.00 4079743 0.000810 85 85 0 ANNUAL ALL Marguerite Mace Middle School CR, SC, 5 64309.00 4079743 0.000810 87 87 0 ANNUAL ALL Marguerite Mace Middle School CR, SC, 6 64309.00 4079743 0.000810 87 87 0 ANNUAL ALL Marguerite Mace Middle School CR, SC, 7 644002.96 40780979 0.001699 87 87 0 ANNUAL ALL Marguerite Mace Middle School CR, SC, 7						0			1			
644284.05 4078807 0.001200 95.25 95.25 0. ANNUAL ALL Veterats Memorial Park CR, PK, 5 645931.84 4076559 0.0002500 134 61 134 61 0. ANNUAL ALL 1 Park 6 CR, PK, 6 64593.81.94 4077181 0.0002780 133 133 0. ANNUAL ALL 1 Park 7 CR, PK, 7 64518.51.14 4077181 0.0002780 133 133 0. ANNUAL ALL 1 Cerra Vesta Elem School CR, PK, 6 64593.64 4077185 0.001240 86 86 0. ANNUAL ALL 1 San Andreas Centinuation CR, SC, 10 645850.68 4078176 0.000600 91 91 0. ANNUAL ALL 1 San Andreas Centinuation CR, SC, 10 642105.68 4078176 0.000600 91 91 0. ANNUAL ALL 1 San Andreas Centinuation CR, SC, 12 64005.893 4078473 0.002100 128 52 128 52 0. ANNUAL ALL 1 Rancho Santana School CR, SC, 12 64005.893 4078473 0.002100 128 52 128 52 0. ANNUAL ALL 1 Rancho Santana School CR, SC, 14 64109.64 4074106 0.000660 159 240 0. ANNUAL ALL 1 Tres Pincs Union Elementary School CR, SC, 14 64109.64 4078406 0.000660 1123 10123 0. ANNUAL ALL 1 Tres Pincs Union Elementary School CR, SC, 2 64190.12 4077304 0.000660 0.10123 10123 0. ANNUAL ALL 1 Hollister Mortessori School CR, SC, 3 64190.12 4077304 0.000660 0.10123 10123 0. ANNUAL ALL 1 Hollister Mortessori School CR, SC, 5 64190.12 4077304 0.000610 98 22 98 22 0. ANNUAL ALL 1 Hollister Prop School CR, SC, 6 64190.13 4079133 0.000740 85 85 0. ANNUAL ALL 1 Hollister Prop School CR, SC, 6 64190.13 4079133 0.000740 85 85 0. ANNUAL ALL 1 Ladd Lane Elementary School CR, SC, 7 641900.13 4079133 0.000740 85 85 0. ANNUAL ALL 1 Ladd Lane Elementary School CR, SC, 7 641900.13 4079133 0.000740 87 87 0. ANNUAL ALL 1 Grid Receptor 1 GI 64100.13 64000.13 64000.13 64000.13 64000.13 64000.13 64000.13 64000.13 64000.13 64000.13 64000.13 64000.13 64000.13 64000.13 64000.13 64000.13 640									1			†
64511.48 4076559 0.000550 134.61 134.61 0 ANNUAL ALL Park 6 CR PK 6 64958.169 4073424 0.0007280 139.96 318 0 ANNUAL ALL Park 7 CR PK 7 645145.11 4077181 0.000720 133 133 0 ANNUAL ALL Certa Vista Elem School CR SC 1 0.000720 0.001240 86 86 0 ANNUAL ALL San Andreas Centination CR SC 10 0.000740 123 313 0 ANNUAL ALL SouthSide School CR SC 11 0.000740 0.000650 0.					95.25	0	ANNUAL		1			†
649581.69 4073424 0.002780 159.96 318									1			
64514.51 4077181 0.000720 133 133 0 ANNUAL ALL 1 Cerra Vista Elem School CR SC 10 645850.68 4074015 0.000400 123 313 0 ANNUAL ALL 1 SouthSide School CR SC 11 64608.79 4078176 0.000400 123 313 0 ANNUAL ALL 1 SouthSide School CR SC 12 64608.89 4078176 0.000370 128 128 52 128 52 0 ANNUAL ALL 1 School 12 CR SC 12 64608.89 4078575 0.000370 158 158 0 ANNUAL ALL 1 Rancho Smittana School CR SC 13 647269 4075575 0.000370 158 158 0 ANNUAL ALL 1 Tree Pinos Union Helmentary School CR SC 14 648466 4074106 0.000860 159 240 0 ANNUAL ALL 1 Tree Pinos Union Helmentary School CR SC 13 644100.6 4078380 0.000960 98.2 98.2 0 ANNUAL ALL 1 Sumyslope Elem School CR SC 3 64290.11 4077804 0.000660 0.12.3 10.123 0 ANNUAL ALL 1 Hollister Moressori School CR SC 3 64296.107 4078621 0.000810 92 92 0 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 5 6416390.01 4079743 0.000560 88 88 0 ANNUAL ALL 1 Hollister Moreswind School CR SC 5 64163101 4079153 0.000740 85 85 0 ANNUAL ALL 1 Hollister Prep School CR SC 6 643350.01 4078019 0.000650 98.22 98.22 0 ANNUAL ALL 1 Hollister Prep School CR SC 6 642434 80 4079794 0.000650 87.8 87 0 ANNUAL ALL 1 Gabian Hilb Elementary School CR SC 6 642044 80 4078730 0.000650 87.5 127 0 ANNUAL ALL 1 Gabian Hilb Elementary School CR SC 8 642044 80 4078730 0.000650 87.5 127 0 ANNUAL ALL 1 Grid Receptor 1 G1 641944 4078773 0.000500 155.0 155.0 155.0 155.0 ANNUAL ALL 1 Grid Receptor 1 G1 641944 4077873 0.000500 156.9 159.6 0 ANNUAL ALL 1 Grid Receptor 1 G1 641944 4077873 0.000500 155.9 155.0 ANNUAL ALL 1 Grid Receptor 16 G16 641944 4077873						0			1			†
642904.71 4079955 0.001240 86		4077181	0.000720	133	133	0	ANNUAL	ALL	1	Cerra Vista Elem School		
645850.68 4074015 0.000400 123 313 0 ANNUAL ALL 1 SouthSide School CR SC 12 646058,93 4078143 0.002100 128,52 128,52 0 ANNUAL ALL 1 Rancho Santana School CR SC 12 646058,93 4078443 0.002100 128,52 128,52 0 ANNUAL ALL 1 Rancho Santana School CR SC 14 647269 4075575 0.000370 158 158 0 ANNUAL ALL 1 Future School CR SC 14 647269 4075575 0.000370 158 158 0 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 15 64109.6 4078189 0.000960 98,2 98,2 0 ANNUAL ALL 1 Sunnyslope Elem School CR SC 15 64109.6 4078189 0.000960 98,2 98,2 0 ANNUAL ALL 1 Hollister Montessori School CR SC 2 64390.10 4078021 0.0000810 92 92 0 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 4 64390.10 4079743 0.001550 88 88 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 5 641630.17 4079153 0.000740 85 85 0 ANNUAL ALL 1 Hollister Prep School CR SC 6 643350.03 4079181 0.000050 98,22 98,22 0 ANNUAL ALL 1 Hollister Prep School CR SC 6 642248.6 4050079 0.001690 87,2 87 0 ANNUAL ALL 1 Gablian Hills Elementary School CR SC 7 64002.96 4050079 0.001690 87,5 87 0 ANNUAL ALL 1 Gablian Hills Elementary School CR SC 9 642083,43 4079794 0.000050 87,58 127 0 ANNUAL ALL 1 San Bentio High School CR SC 9 642083,43 4079794 0.000050 87,58 127 0 ANNUAL ALL 1 Nearest Workplace CR WP 1 648949 4077938 0.001600 189,45 259 0 ANNUAL ALL 1 Grid Receptor 10 G10 641444 4075773 0.002000 155,2 155,2 0 ANNUAL ALL 1 Grid Receptor 10 G10 641444 4075773 0.002000 165,9 159,6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4077573 0.002000 165,9 159,6 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.000430						0	ANNUAL	ALL	1			
642105.68 4078176 0.000560 91 91 0 ANNUAL ALL 1 Rancho CR SC 12 C64058.93 407843 0.002100 128.52 128.52 0 ANNUAL ALL 1 Rancho CR SC 13 School 1 647269 4075575 0.000370 158 158 158 0 ANNUAL ALL 1 Future School CR SC 14 School 2 C844109.6 4078106 0.000560 159 240 0 ANNUAL ALL 1 Tree Fines Union Elementary School CR SC 14 School 2 C844109.6 4078106 0.000560 159 240 0 ANNUAL ALL 1 Tree Fines Union Elementary School CR SC 15 School 2 C84109.6 4078106 0.000560 159 240 0 ANNUAL ALL 1 Tree Fines Union Elementary School CR SC 2 C643920.12 4077304 0.000560 101.23 101.23 0 ANNUAL ALL 1 Hollister Montessori School CR SC 2 C643920.12 4077304 0.000560 101.23 101.23 0 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 3 C64398.0 4079743 0.001550 88 88 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 5 C643030.0 40797181 0.000560 98.22 98.22 0 ANNUAL ALL 1 Hollister Prep Schoo CR SC 6 C643350.0 4077181 0.000560 98.22 98.22 0 ANNUAL ALL 1 Hollister Prep School CR SC 6 C6430350.0 4077181 0.000560 98.22 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 6 C64002.96 4080079 0.001690 87 87 0 ANNUAL ALL 1 Gabian Hills Elementary School CR SC 9 C64002.96 4079743 0.000560 98.72 98.72 0 ANNUAL ALL 1 San Benito High School CR SC 9 C64002.96 4079794 0.000590 87.58 127 0 ANNUAL ALL 1 San Benito High School CR SC 9 C64003.45 4079794 0.000590 87.58 127 0 ANNUAL ALL 1 San Benito High School CR SC 9 C64003.45 4079794 0.000590 87.58 127 0 ANNUAL ALL 1 San Benito High School CR SC 9 C64003.45 4079794 0.000590 87.58 127 0 ANNUAL ALL 1 San Benito High School CR SC 9 C64003.45 4079794 0.000590 87.58 127 0 ANNUAL ALL 1 San Benito High School CR SC 9 C64003.45 4079794 0.000590 87.58 127 0 ANNUAL ALL 1 Grid Receptor 1 G1 G1 64704 4075737 0.000500 150 160 160 0 ANNUAL ALL 1 Grid Receptor 1 G1 G1 64704 4075737 0.000500 150 160 0 ANNUAL ALL 1 Grid Receptor 1 G1 G1 64704 4075737 0.000500 150 150 0 ANNUAL ALL 1 Grid Receptor 1 G1 G1 648144 4075737 0.000500 155.3 181 0 ANNUAL ALL 1 Grid Receptor 1 G1 G1 648144 4075737 0.000500 158.3 181 0 ANNUAL ALL 1	645850.68	4074015	0.000400	123	313	0	ANNUAL		1	SouthSide School		1
647269 4075575 0.000370 158 158 0 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 14				91		0		ALL	1			
647269 4075575 0.000370 158 158 0 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 14	646058.93	4078443	0.002100	128.52	128.52	0	ANNUAL	ALL	1	Rancho Santana School	CR SC 13	School 1
644964 4074106 0.000860 159 240 0 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 2 643920.12 4077304 0.000860 98.2 98.2 0 ANNUAL ALL 1 Hollister Montesori School CR SC 3 642961.07 4078621 0.000810 92 92 0 ANNUAL ALL 1 Hollister Montesori School CR SC 3 642961.07 4078621 0.000810 92 92 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 4 643980.07 4079743 0.001550 88 88 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 5 641630.17 4079153 0.000740 85 85 0 ANNUAL ALL 1 Hollister Prep Schoo CR SC 6 641630.17 4079153 0.000740 85 85 0 ANNUAL ALL 1 Hollister Prep Schoo CR SC 6 64204.84 4071813 0.000650 82.2 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 7 644002.96 4080079 0.001690 87 87 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 8 642248.65 4078413 0.000650 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 8 642248.65 4078413 0.000650 87.58 127 0 ANNUAL ALL 1 Jovenes De Antano CR SR 1 646402 4076879 0.000750 146.33 153 0 ANNUAL ALL 1 Worksplace CR WP 1 646402 4076879 0.000750 146.33 153 0 ANNUAL ALL 1 Nearest Workplace CR WP 2 647744 4079173 0.0003200 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 Gil 647744 4079173 0.0003200 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 10 Gil 648144 4075573 0.000800 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 10 Gil 648144 4075773 0.000350 166.6 179 0 ANNUAL ALL 1 Grid Receptor 13 Gil 648144 4077973 0.000350 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 15 Gil 648144 4077973 0.000350 158.4 146.2 0 ANNUAL ALL 1 Grid Receptor 15 Gil 648144 4077973 0.000350 158.4 159.4 0 ANNUAL ALL 1 Grid		4075575	0.000370		158	0	ANNUAL	ALL	1			School 2
644109.6 40738389 0.000960 98.2 98.2 0 ANNUAL ALL 1 Sumyslope Elem School CR SC 2						0		ALL	1	Tres Pinos Union Elementary School		1
643201.12 4077304 0.000660 101.23 101.23 0 ANNUAL ALL 1 Hollister Montessori School CR SC 3 642081.07 4078621 0.000810 92 92 0 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 4 643980.02 4079743 0.001550 88 88 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 5 641630.17 4079153 0.000740 85 85 0 ANNUAL ALL 1 Hollister Prep Schoo CR SC 6 64330.03 4077181 0.000650 98.22 98.22 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 7 644002.96 4080079 0.001690 87 87 87 0 ANNUAL ALL 1 Gabian Hills Elementary School CR SC 8 642084.86 4078413 0.000630 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 8 642084.86 4078413 0.000630 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 8 1640402 4076879 0.000950 87.58 127 0 ANNUAL ALL 1 Workplace CR WP 1 646402 4076879 0.000750 146.33 153 0 ANNUAL ALL 1 Workplace CR WP 1 64744 4077973 0.0003200 155.2 155.2 0 ANNUAL ALL 1 Nearest Workplace CR WP 2 64744 4075573 0.000500 150 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4075573 0.000500 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078773 0.002870 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 0.002870 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 40778773 0.000350 158.3 181 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 40778773 0.000350 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 40778773 0.000350 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 40778773 0.000350 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 40778773 0.000550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 40778773 0.000550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 40778773 0.000550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 40778773 0.000550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G16 648144 40778773 0.000550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G16 648144 40778773 0.000550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G16 648144 40778773 0.000550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G16 648144 40778773 0.000550 175.4 175.4 0 ANNUAL ALL 1 Grid R						0			1			
642961.07 4078621 0.000810 92 92 0 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 4						0			1			1
64398.002 4079743 0.001550 88 88 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 5						0			1	Rancho San Justo Middle School		
641630.17 4079153 0.000740 85		4079743	0.001550	88	88	0	ANNUAL	ALL	1	Marguerite Maze Middle School		
CR CR CR CR CR CR CR CR	641630.17	4079153				0		ALL	1			†
644002.96 4080079 0.001690 87 87 0 ANNUAL ALL 1 Gabian Hills Elementary School CR SC 8 642244.86 4078413 0.000630 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 9 642083.45 4079794 0.000050 87.58 127 0 ANNUAL ALL 1 Jovenes De Antano CR SR 1 646402 4076879 0.000750 146.33 153 0 ANNUAL ALL 1 Workplace CR WP 1 647744 4079793 0.001600 189.45 259 0 ANNUAL ALL 1 Mearest Workplace CR WP 2 647744 4075573 0.003200 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078773 0.008060 252.9 252.9 0 ANNUAL					98.22	0			1			
642244.86 4078413 0.000630 90.17 90.17 0 ANNUAL ALL 1 Jovenes De Antano CR. SC. 9 642083.45 4079794 0.000950 87.58 127 0 ANNUAL ALL 1 Jovenes De Antano CR. SR. I 646402 4076879 0.000750 146.33 153 0 ANNUAL ALL 1 Workplace CR. WP. 1 648949 4077938 0.001600 189.45 259 0 ANNUAL ALL 1 Nearest Workplace CR. WP. 2 MEIW 647744 4079173 0.003200 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 10 GI 647744 4075573 0.008060 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 10 GI0 648144 4079173 0.002060 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 10 GI0 648144 4078773 <td>644002.96</td> <td></td> <td>0.001690</td> <td></td> <td>87</td> <td>0</td> <td>ANNUAL</td> <td>ALL</td> <td>1</td> <td>Gabilan Hills Elementary School</td> <td></td> <td>†</td>	644002.96		0.001690		87	0	ANNUAL	ALL	1	Gabilan Hills Elementary School		†
646402	642244.86	4078413	0.000630	90.17	90.17	0	ANNUAL	ALL	1			
646402	642083.45	4079794	0.000950	87.58	127	0	ANNUAL	ALL	1	Jovenes De Antano	CR SR 1	
648949 4077938 0.001600 189.45 259 0 ANNUAL ALL 1 Nearest Workplace CR_WP_2 MEIW 647744 4079173 0.003200 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 G1 647744 4075573 0.000500 160 160 0 ANNUAL ALL 1 Grid Receptor 100 G10 651344 4075573 0.008060 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 100 G100 648144 4078773 0.002060 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 0.002870 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078773 0.006250 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.00653				146.33		0		ALL	1	Workplace		
647744 4075573 0.000500 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075573 0.008060 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 100 G100 648144 4079173 0.00260 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 0.002870 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 0.004350 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.006250 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.006530 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4076773 0.001240 177.1 <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td>1</td> <td>•</td> <td></td> <td>MEIW</td>						0			1	•		MEIW
647744 4075573 0.000500 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075573 0.008060 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 100 G100 648144 4079173 0.00260 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 0.002870 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 0.004350 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.006250 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.006530 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4076773 0.001240 177.1 <td>647744</td> <td>4079173</td> <td>0.003200</td> <td>155.2</td> <td>155.2</td> <td>0</td> <td>ANNUAL</td> <td>ALL</td> <td>1</td> <td>Grid Receptor 1</td> <td>G1</td> <td></td>	647744	4079173	0.003200	155.2	155.2	0	ANNUAL	ALL	1	Grid Receptor 1	G1	
651344 4075573 0.008060 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 100 G100 648144 4079173 0.002060 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 0.002870 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 0.004350 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.006250 158.3 181 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077573 0.006530 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 0.003550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.001240 177.		4075573	0.000500	160	160	0	ANNUAL	ALL	1	Grid Receptor 10	G10	1
648144 4078773 0.002870 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 0.004350 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.006250 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.006530 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 0.003550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.001240 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4075973 0.000560 173 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.000560 173		4075573	0.008060	252.9	252.9	0	ANNUAL	ALL	1	Grid Receptor 100	G100	
648144 4078773 0.002870 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 0.004350 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.006250 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.006530 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 0.003550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.001240 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4075973 0.000560 173 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.000560 173				165.9	165.9	0	ANNUAL	ALL	1	Grid Receptor 11	G11	
648144 4077973 0.006250 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.006530 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 0.003550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.001240 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.000670 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.000560 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.004230 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075773 0.000580 168.8	648144		0.002870	159.6	159.6	0	ANNUAL	ALL	1		G12	
648144 4077973 0.006250 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.006530 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 0.003550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.001240 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.000670 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.000560 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.004230 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075773 0.000580 168.8	648144	4078373	0.004350	146.2	146.2	0	ANNUAL	ALL	1	Grid Receptor 13	G13	
648144 4077573 0.006530 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 0.003550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.001240 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.000670 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.000560 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.004230 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075573 0.000580 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.001220 173.5			0.006250	158.3	181	0	ANNUAL	ALL	1		G14	
648144 4077173 0.003550 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.001240 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.000670 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.000560 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.004230 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075573 0.000580 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.001220 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.001540 166.2	648144	4077573	0.006530	166.6	179	0	ANNUAL	ALL	1		G15	1
648144 4076773 0.001240 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.000670 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.000560 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.004230 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075573 0.000580 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.001220 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.001540 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.002200 145.4	648144		0.003550	175.4	175.4	0	ANNUAL	ALL	1	Grid Receptor 16	G16	
648144 4076373 0.000670 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.000560 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.004230 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075573 0.000580 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.001220 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.001540 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.002200 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23						0			1			
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647744 4078773 0.004230 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075573 0.000580 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.001220 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.001540 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.002200 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648144	4075973	0.000560	173	240	0		ALL	1		G19	1
648144 4075573 0.000580 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.001220 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.001540 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.002200 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23					145.4	0			1			1
648544 4079173 0.001220 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.001540 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.002200 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23									1			1
648544 4078773 0.001540 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.002200 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648544	4079173	0.001220	173.5	191	0	ANNUAL	ALL	1		G21	1
648544 4078373 0.002200 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23			0.001540		166.2	0		ALL	1	*	G22	1
		4078373			253	0		ALL	1	*	G23	1
	648544	4077973	0.003990	173.9	214	0	ANNUAL	ALL	1	Grid Receptor 24	G24	1

09/01/21

* AERMET (21112): 2020

16:19:17

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

648544 4077173 0.007870 179.6 227 0 ANNUAL ALL 1 Grid Receptor 25 G25 G25 G45544 4077173 0.008600 191 226 0 ANNUAL ALL 1 Grid Receptor 27 G27 G45544 4076773 0.002850 209.2 240 0 ANNUAL ALL 1 Grid Receptor 27 G27 G45544 4076773 0.002850 209.2 240 0 ANNUAL ALL 1 Grid Receptor 28 G28 G4544 4076773 0.002850 199.9 240 0 ANNUAL ALL 1 Grid Receptor 29 G29 G47744 4078373 0.005200 144.4 144.4 0 ANNUAL ALL 1 Grid Receptor 29 G29 G47744 4075733 0.0005200 144.4 144.4 0 ANNUAL ALL 1 Grid Receptor 30 G30 G48944 4075773 0.000820 190.4 194 0 ANNUAL ALL 1 Grid Receptor 30 G30 G48944 4078773 0.000820 190.4 194 0 ANNUAL ALL 1 Grid Receptor 31 G31 G48944 40787373 0.000800 155.4 155.4 0 ANNUAL ALL 1 Grid Receptor 31 G31 G48944 4077873 0.001800 159.6 259 0 ANNUAL ALL 1 Grid Receptor 33 G33 G48944 4077873 0.001800 159.6 259 0 ANNUAL ALL 1 Grid Receptor 34 G34 G48944 4077873 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 35 G35 G48944 4077873 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 36 G38 G48944 4077873 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 39 G39 G48944 4077873 0.000580 208.8 220 0 ANNUAL ALL 1 Grid Receptor 39 G39 G48944 4077873 0.000580 208.8 220 0 ANNUAL ALL 1 Grid Receptor 39 G39 G48944 4077873 0.000580 187.6 800 0 ANNUAL ALL 1 Grid Receptor 40 G40 G4944 4077873 0.000580 187.6 800 0 ANNUAL ALL 1 Grid Receptor 40 G40 G4944 4077873 0.000580 187.6 800 0 ANNUAL ALL 1 Grid Receptor 40 G40 G4944 4077873 0.000580 200.5 221 0 ANNUAL ALL 1 Grid Receptor 40 G49 G4944 4077873 0.000580 200.5 200.5 200 0 ANNUAL ALL 1 Grid Receptor 40 G49 G4944 407	X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648544 4076373 0.002850 209.2 240 0 ANNUAL ALL 1 Grid Receptor 27 G27 648544 4076373 0.002470 233.7 240 0 ANNUAL ALL 1 Grid Receptor 28 G28 648544 4076373 0.005800 199.9 240 0 ANNUAL ALL 1 Grid Receptor 29 G29 647744 4078373 0.005200 144.4 144.4 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648544 4075973 0.0000740 195.5 227 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 4075973 0.000020 190.4 194 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 40787373 0.0000820 190.4 194 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 40787373 0.0000800 165.4 165.4 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 4078373 0.001080 159.6 259 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 4077873 0.00180 183.5 259 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 4077873 0.001840 224 226 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 4077873 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 4077873 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 4075973 0.005500 183.5 259 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 4075973 0.005500 185.6 68944 4076573 0.005500 185.6 68944 4076573 0.005500 185.6 68944 4077873 0.005500 185.6 68944 4077873 0.005500 185.6 68944 4077873 0.005500 185.6 68944 4077873 0.005500 185.4 11 G7	648544	4077573	0.007870	179.6	227	0	ANNUAL	ALL	1	Grid Receptor 25	G25
648844 4076973 0.0002470 233.7 240 0 ANNUAL ALL 1 Grid Receptor 28 G28 648844 4075973 0.000880 1999 240 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648744 4078973 0.000820 194.4 144.4 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648844 4079173 0.000820 190.4 194 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48844 4079173 0.000820 190.4 194 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48944 4078773 0.000900 165.4 165.4 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48944 4078773 0.000900 165.4 165.4 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48944 4078773 0.00180 159.6 259 0 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48944 4077973 0.001540 183.5 259 0 ANNUAL ALL 1 Grid Receptor 3 G33 G48944 4077573 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 3 G35 G48944 4075973 0.001840 225 240 0 ANNUAL ALL 1 Grid Receptor 3 G35 G48944 4075973 0.001650 208.8 220 0 ANNUAL ALL 1 Grid Receptor 3 G39 G48944 4077973 0.00150 288.8 220 0 ANNUAL ALL 1 Grid Receptor 3 G39 G48944 4077973 0.00150 288.8 220 0 ANNUAL ALL 1 Grid Receptor 4 G4 G48944 4077973 0.00050 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G4 G48944 4077973 0.00050 188.6 181 0 ANNUAL ALL 1 Grid Receptor 4 G4 G48944 4077973 0.00050 188.6 181 0 ANNUAL ALL 1 Grid Receptor 4 G4 G4944 4077973 0.00050 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G4 G4944 4077873 0.00050 188.6 181 0 ANNUAL ALL 1 Grid Receptor 4 G4 G4944 4078573 0.001300 185.6 300 0 ANNUAL ALL 1 Grid Receptor 4 G40 G40 G4944 4078573 0.001300 185.6 300 0 ANNUAL ALL 1 Grid Receptor 4 G40 G40 G4944 4078573 0.000500 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G49 G49 G494 4078573 0.000500 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G49 G49 G494 4078573 0.000500 187.4 801 0 ANNUAL ALL 1 Grid Receptor 5 G45 G49344 4077873 0.000500 229 253 0 ANNUAL ALL 1 Grid Receptor 5 G55 G49744 4077873 0.000500 255 300 0 ANNUAL ALL 1 Grid Receptor 5 G55 G49744 4077873 0.000500 255 300 0 ANNUAL ALL 1 Grid Receptor 5 G55 G49744 4077873 0.000500 255 300 0 ANNUAL ALL 1 Grid Receptor 5 G55 G49744 4077873 0.000500 215.5 251 0 ANNUAL ALL 1 Grid Receptor 5 G55 G49744 4077873 0.000500 215.5 251 0 ANNUAL	648544	4077173	0.008600	191	226	0	ANNUAL	ALL	1	Grid Receptor 26	G26
648844 4075973 0.000880 199.9 240 0 ANNUAL ALL 1 Grid Receptor 29 G29 648744 4075873 0.0005200 144.4 144.4 0 ANNUAL ALL 1 Grid Receptor 3 G3 648544 4075973 0.000820 199.4 194 0 ANNUAL ALL 1 Grid Receptor 30 G30 648944 4078773 0.000820 199.4 194 0 ANNUAL ALL 1 Grid Receptor 31 G31 648944 4078773 0.000820 199.4 195 0 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4078773 0.000980 155.6 259 0 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4078773 0.001540 183.5 259 0 ANNUAL ALL 1 Grid Receptor 33 G33 648944 4077573 0.001540 183.5 259 0 ANNUAL ALL 1 Grid Receptor 34 G33 648944 4077573 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4075673 0.002940 205 240 0 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4075673 0.003570 134.6 181 0 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077573 0.003570 134.6 181 0 ANNUAL ALL 1 Grid Receptor 4 G4 649344 407573 0.003500 185.6 300 0 ANNUAL ALL 1 Grid Receptor 4 G4 649344 407573 0.003500 185.6 300 0 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4079773 0.003570 285.6 300 0 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4079773 0.003570 134.6 181 0 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4079773 0.003570 285.6 300 0 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4079773 0.003570 285.7 300 0 ANNUAL ALL 1 G77 G77 G77 G77 G77 G77 G77 G77 G77 G			0.002850	209.2	240	0	ANNUAL		1	Grid Receptor 27	
647744 4078373 0.005200 144.4 144.4 0 ANNUAL ALL 1 Grid Receptor 3 G3 (648944 4075573 0.000740 195.5 227 0 ANNUAL ALL 1 Grid Receptor 31 G31 (648944 4075773 0.000820 190.4 194 0 ANNUAL ALL 1 Grid Receptor 32 G32 (648944 40783773 0.000900 165.4 165.4 0 ANNUAL ALL 1 Grid Receptor 32 G32 (648944 40783773 0.001800 159.6 259 0 ANNUAL ALL 1 Grid Receptor 33 G33 (648944 40779773 0.001540 183.5 259 0 ANNUAL ALL 1 Grid Receptor 34 G34 (648944 4077573 0.003848 224 226 0 ANNUAL ALL 1 Grid Receptor 35 G35 (648944 4077573 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 35 G35 (648944 4075573 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 38 G38 (648944 4075573 0.001540 183.5 259 0 ANNUAL ALL 1 Grid Receptor 38 G38 (648944 4075573 0.001540 183.6 181 0 ANNUAL ALL 1 Grid Receptor 38 G38 (648944 4075573 0.001560 208.8 220 0 ANNUAL ALL 1 Grid Receptor 39 G39 (647744 4077973 0.005570 134.6 181 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4075573 0.001300 185.6 300 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4075573 0.000560 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4078573 0.000560 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4078573 0.000560 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4078573 0.000560 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4078573 0.000560 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4078573 0.000560 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4078573 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4075573 0.000580 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4075573 0.000580 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4075573 0.000580 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4075573 0.000580 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 (649344 4075573 0.000580 229 253 0 ANNUAL ALL 1 Grid Receptor 5 G5 (649744 4075573 0.000590 205.5 300 0 ANNUAL ALL 1 Grid Receptor 5 G5 (649744 4075573 0.000500 215.5 300 0 ANNUAL ALL 1 Grid Receptor 5 G5 (649744 4075573 0.000500 215.5 250 0 ANNUAL ALL 1 Grid Receptor 5 G5 (649744 4075573 0.000500 215.5 25	648544	4076373	0.002470	233.7	240	0	ANNUAL	ALL	1	Grid Receptor 28	G28
648544 4075573 0.000740 195.5 227 0 ANNUAL ALL 1 Grid Receptor 30 G30 648944 4079173 0.000820 190.4 194 0 ANNUAL ALL 1 Grid Receptor 31 G31 648944 4078773 0.000800 165.4 165.4 0 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4078373 0.001680 159.6 259 0 ANNUAL ALL 1 Grid Receptor 33 G33 G33 648944 4077973 0.001540 183.5 259 0 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077973 0.001540 183.5 259 0 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077573 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4075373 0.002940 205 240 0 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4075973 0.001560 208.8 220 0 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.005570 134.6 181 0 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.005370 134.6 181 0 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4075737 0.000550 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G40 649344 4078773 0.000560 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G40 649344 4078773 0.000560 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G40 649344 4078773 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G40 649344 40778773 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G40 649344 40778773 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G40 649344 40778773 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G40 649344 40778773 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G40 649344 4077573 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G40 649344 4077573 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G40 649344 4077573 0.000580 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4077573 0.000580 229 253 0 ANNUAL ALL 1 Grid Receptor 5 G45 649344 4077573 0.000580 229 253 0 ANNUAL ALL 1 Grid Receptor 5 G45 649344 4077573 0.000580 229 253 0 ANNUAL ALL 1 Grid Receptor 5 G45 649344 4077573 0.000580 229 255 0 ANNUAL ALL 1 Grid Receptor 5 G5 G45 649744 4077573 0.000580 221.6 229 2 63 0 ANNUAL ALL 1 Grid Receptor 5 G5 G5 649744 4077573 0.000500 21.7 2 60 ANNUAL ALL 1 Grid Receptor 5 G5 G5 649744 4077573 0.000500 21.5 25 0 ANNUAL ALL 1 Grid Receptor 5 G5 G5 649744 4077573 0.000500 21.5 2						0			1	Grid Receptor 29	
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648944 4078773 0.000900 165.4 165.4 0 ANNUAL ALL 1 Grid Receptor 32 G32 G48944 4078373 0.001580 159.6 259 0 ANNUAL ALL 1 Grid Receptor 33 G33 G48944 4077973 0.001540 183.5 259 0 ANNUAL ALL 1 Grid Receptor 34 G34 G48944 4077573 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 35 G35 G48944 4076373 0.002940 205 240 0 ANNUAL ALL 1 Grid Receptor 38 G38 G48944 4075973 0.001550 208.8 220 0 ANNUAL ALL 1 Grid Receptor 39 G39 G47744 4075973 0.001500 185.6 300 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4075973 0.001500 185.6 300 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4078773 0.000580 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4078773 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4078773 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4078773 0.000580 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4078773 0.000580 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001320 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001320 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001320 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001320 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001320 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001320 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.00370 163.8 171 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.00580 223.2 227.2 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.00580 223.2 227.2 0 ANNUAL ALL 1 Grid Receptor 5 G5 G49744 4077973 0.00370 163.8 171 0 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077973 0.000500 215.3 300 0 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077973 0.000500 215.3 300 0 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077973 0.000500 215.3 251 0 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077973 0.000500 215.3 251 0 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077973 0.000500 215.3 251 0 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077973 0.000500 215.3 351 0 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077973 0.000500 215.3 351 0 ANNUAL ALL 1 Grid Recep	648544		0.000740	195.5	227	0	ANNUAL	ALL	1	Grid Receptor 30	
648944 4078373 0.00180 159.6 259 0 ANNUAL ALL 1 Grid Receptor 33 G33 G384 4077973 0.001840 183.5 259 0 ANNUAL ALL 1 Grid Receptor 34 G34 G48944 4077973 0.003480 224 226 0 ANNUAL ALL 1 Grid Receptor 35 G35 G48944 4077973 0.001840 205 240 0 ANNUAL ALL 1 Grid Receptor 38 G38 G48944 4075973 0.001850 208.8 220 0 ANNUAL ALL 1 Grid Receptor 39 G39 G47744 4077973 0.005370 134.6 181 0 ANNUAL ALL 1 Grid Receptor 4 G4 G48944 4075973 0.001800 185.6 300 0 ANNUAL ALL 1 Grid Receptor 4 G4 G4944 4079573 0.000580 187.4 801 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4078773 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4078373 0.000580 160.9 813 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4078773 0.000580 122 29 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001820 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001820 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001820 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001820 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001820 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G44 G49344 4077973 0.001820 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4077973 0.001820 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G4 G48 G49344 4077973 0.001820 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G48 G48 G49344 4077973 0.001820 229 253 0 ANNUAL ALL 1 Grid Receptor 4 G49 G49 G49 G49 G49 G49 G49 G49 G49 G						0			1		
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650544 4078773 0.000380 180.9 830 0 ANNUAL ALL 1 Grid Receptor 72 G72	650544	4078773	0.000380	180.9	830	0	ANNUAL	ALL	1	Grid Receptor 72	G72

* AERMET (21112): 2020

16.19.17

MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

650944 4078373 0.000400 196.6 830 0 ANNUAL ALL I Grid Receptor 73 G73 650944 4077573 0.001080 261.3 287 0 ANNUAL ALL I Grid Receptor 75 G75 650944 4077573 0.011080 20.99 2.09 0 ANNUAL ALL I Grid Receptor 79 G79 650944 4079573 0.011070 226.7 287 0 ANNUAL ALL I Grid Receptor 79 G79 650944 4075673 0.00050 164 I.4 0 ANNUAL ALL I Grid Receptor 80 G8 650944 4075733 0.000300 118.3 83 0 ANNUAL ALL I Grid Receptor 80 G8 650944 4078737 0.000300 124.8 83 0 ANNUAL ALL I Grid Receptor 80 G83 650944 4077737 0.000300 214.8 <td< th=""><th>X</th><th>Y</th><th>AVERAGE CONC</th><th>ZELEV</th><th>ZHILL</th><th>ZFLAG</th><th>AVE</th><th>GRP</th><th>NUM YRS NET ID</th><th>Description</th><th>ID</th></td<>	X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
650544 4077573 0.001680 2613 287 0 ANNUAL ALL 1 Grid Receptor 75 G75	650544	4078373	0.000400	196.6	830	0	ANNUAL	ALL	1	Grid Receptor 73	G73
650544 4076373	650544	4077973	0.001020	236.9	801	0	ANNUAL	ALL	1	Grid Receptor 74	G74
650544 4075973 0.011070 226.7 287 0 ANNUAL ALL 1 Grid Receptor 79 G79 679 647744 4075573 0.010570 268.2 287 0 ANNUAL ALL 1 Grid Receptor 80 G8 650944 4075573 0.010570 268.2 287 0 ANNUAL ALL 1 Grid Receptor 80 G8 650944 407573 0.000350 178.4 830 0 ANNUAL ALL 1 Grid Receptor 81 G81 650944 4078773 0.000350 178.4 830 0 ANNUAL ALL 1 Grid Receptor 82 G82 G82 G82 G82 G82 G83 G83 G83 G83 G8944 4077873 0.000350 249.9 813 0 ANNUAL ALL 1 Grid Receptor 84 G84 650944 4077973 0.000150 249.9 813 0 ANNUAL ALL 1 Grid Receptor 84 G84 650944 4077773 0.000200 225.6 296 0 ANNUAL ALL 1 Grid Receptor 85 G85 G850944 4077773 0.000200 225.6 296 0 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076773 0.000500 209.2 273 0 ANNUAL ALL 1 Grid Receptor 87 G87	650544	4077573	0.001680	261.3	287	0	ANNUAL	ALL	1	Grid Receptor 75	G75
647744 4076373 0.000560 164 164 0 ANNUAL ALL 1 Grid Receptor 8 G8 650344 4079173 0.000560 181.3 830 0 ANNUAL ALL 1 Grid Receptor 8 G8 650944 4079173 0.000350 178.4 830 0 ANNUAL ALL 1 Grid Receptor 8 G8 650944 4078373 0.000350 214.8 830 0 ANNUAL ALL 1 Grid Receptor 8 G8 650944 4078373 0.000350 214.8 830 0 ANNUAL ALL 1 Grid Receptor 8 G8 650944 4077873 0.000350 276.5 296 0 ANNUAL ALL 1 Grid Receptor 8 G8 650944 4077973 0.000630 276.5 296 0 ANNUAL ALL 1 Grid Receptor 8 G8 650944 4077173 0.000500 225.6 296 0 ANNUAL ALL 1 Grid Receptor 8 G8 650944 4077173 0.000200 225.6 296 0 ANNUAL ALL 1 Grid Receptor 8 G8 650944 4076373 0.000500 209.2 273 0 ANNUAL ALL 1 Grid Receptor 8 G8 650944 4076373 0.000500 209.2 273 0 ANNUAL ALL 1 Grid Receptor 8 G8 650944 4076373 0.000500 209.2 273 0 ANNUAL ALL 1 Grid Receptor 8 G8 650944 4078973 0.007900 216.6 287 0 ANNUAL ALL 1 Grid Receptor 8 G8 647744 4075973 0.000300 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4078173 0.000330 191 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4078373 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4078373 0.000300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 407873 0.000300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 407873 0.000300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4077973 0.0001300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4077973 0.000300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4077973 0.000300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4077973 0.000300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4077973 0.0003	650544	4076373	0.010080	260.9	260.9	0	ANNUAL	ALL	1	Grid Receptor 78	G78
650944 4073573 0.010670 268.2 287 0 ANNUAL ALL 1 Grid Receptor 80 G80	650544	4075973	0.011070	226.7	287	0	ANNUAL	ALL	1	Grid Receptor 79	G79
650944 4078773 0.000360 181.3 830 0 ANNUAL ALL 1 Grid Receptor 81 G81 650944 4078773 0.000350 178.4 830 0 ANNUAL ALL 1 Grid Receptor 82 G82 650944 4078733 0.000380 214.8 830 0 ANNUAL ALL 1 Grid Receptor 83 G83 650944 4077973 0.000730 249.9 813 0 ANNUAL ALL 1 Grid Receptor 85 G84 650944 4077573 0.000630 276.5 296 0 ANNUAL ALL 1 Grid Receptor 85 G85 650944 4077573 0.000630 225.6 296 0 ANNUAL ALL 1 Grid Receptor 85 G85 650944 4077573 0.000200 225.6 296 0 ANNUAL ALL 1 Grid Receptor 85 G85 650944 40776773 0.000200 225.6 296 0 ANNUAL ALL 1 Grid Receptor 86 G86 686 686 686 68044 4078773 0.000200 225.6 296 0 ANNUAL ALL 1 Grid Receptor 87 G87 650944 4076373 0.000500 200.2 273 0 ANNUAL ALL 1 Grid Receptor 88 G88 688 650944 4076373 0.000300 216.6 287 0 ANNUAL ALL 1 Grid Receptor 89 G89 647744 4075973 0.000300 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075573 0.011810 243.2 289 0 ANNUAL ALL 1 Grid Receptor 9 G9 G51344 4079173 0.000330 191 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 G51344 4078773 0.000330 191 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 G51344 4078773 0.000330 191 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 G51344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 G51344 4078773 0.000300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 4078773 0.000300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 407573 0.001100 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 4077573 0.001100 248.8 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 4077573 0.001100 248.8 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 4077573 0.001100 248.8 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 4077573 0.001100 248.8 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 4077573 0.001100 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 4077573 0.001100 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 4077573 0.001100 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 4077573 0.001100 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 4077573 0.001100 223.5 813 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344	647744	4076373	0.000560	164	164	0	ANNUAL	ALL	1	Grid Receptor 8	G8
650944 4078773 0.000350 178.4 830 0 ANNUAL ALL 1 Grid Receptor \$2 G82 650944 4077973 0.001730 249.9 813 0 ANNUAL ALL 1 Grid Receptor \$4 G84 650944 4077973 0.000630 27.5 296 0 ANNUAL ALL 1 Grid Receptor \$6 G86 650944 4077773 0.00200 225.5 296 0 ANNUAL ALL 1 Grid Receptor \$6 G86 650944 4076773 0.00370 219.8 267 0 ANNUAL ALL 1 Grid Receptor \$7 G87 650944 4076733 0.007900 216.6 287 0 ANNUAL ALL 1 Grid Receptor \$8 G88 650944 4075973 0.000300 160.7 160.7 ANNUAL ALL 1 Grid Receptor \$9 G9 650944 4075973 0.01810 243.2 289	650544	4075573	0.010670	268.2	287	0	ANNUAL	ALL	1	Grid Receptor 80	G80
650944 4073973 0.000380 214.8 830 0 ANNUAL ALL 1 Grid Receptor 83 G84 650944 4077973 0.000630 276.5 296 0 ANNUAL ALL 1 Grid Receptor 85 G85 650944 4077773 0.000630 275.5 296 0 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4077773 0.002000 225.6 296 0 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076773 0.003720 219.8 267 0 ANNUAL ALL 1 Grid Receptor 87 G87 650944 4076373 0.006500 209.2 273 0 ANNUAL ALL 1 Grid Receptor 88 G88 G8944 4076373 0.006500 209.2 273 0 ANNUAL ALL 1 Grid Receptor 88 G88 647744 4075973 0.000309 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G89 647744 4075973 0.000309 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G90 651344 4075973 0.000330 191 830 0 ANNUAL ALL 1 Grid Receptor 9 G90 651344 4078773 0.000330 191 830 0 ANNUAL ALL 1 Grid Receptor 9 G91 651344 4078773 0.000300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G92 651344 4078773 0.000130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 9 G94 651344 4077973 0.00110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G94 651344 4077973 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G95 651344 4077973 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 9 G96 G96 651344 4077773 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 9 G96 G96 651344 4077973 0.001100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 9 G96 G96 651344 4077973 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 9 G96 G96 G98	650944	4079173	0.000360	181.3	830	0	ANNUAL	ALL	1	Grid Receptor 81	G81
650944 4077973 0.001730 249.9 813 0 ANNUAL ALL 1 Grid Receptor 84 684 650944 4077573 0.000630 276.5 296 0 ANNUAL ALL 1 Grid Receptor 85 G85 650944 4077173 0.002000 225.6 296 0 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076773 0.002720 219.8 267 0 ANNUAL ALL 1 Grid Receptor 87 G87 G87 G8944 4076773 0.006500 209.2 273 0 ANNUAL ALL 1 Grid Receptor 88 G88 650944 4075973 0.006500 209.2 273 0 ANNUAL ALL 1 Grid Receptor 89 G89 647744 4075973 0.000390 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075973 0.000390 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075973 0.011810 243.2 289 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075973 0.011810 243.2 289 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 G90 651344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 651344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 651344 4078773 0.000300 2143 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 G51344 4078773 0.000110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G93 G93 651344 4077973 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G93 G93 651344 40777573 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G96 G51344 4077773 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G96 G51344 4077773 0.001100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 9 G96 G51344 4077773 0.001100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 9 G96 G51344 4077573 0.001100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 9 G96 G51344 4077573 0.000100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 9 G96 G51344 4077573 0.000100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 9 G96 G51344 4077573 0.000100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 9 G96 G51344 4077573 0.000100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 9 G96 G51344 4077573 0.000100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 9 G96 G51344 4077573 0.000100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 9 G96 G51344 4077573 0.000100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 9 G99 G59 G51344 4077573 0.000100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 9 G99 G59 G51344 4075757 0.	650944	4078773	0.000350	178.4	830	0	ANNUAL	ALL	1	Grid Receptor 82	G82
650944 4077973 0.001730 249.9 813 0 ANNUAL ALL 1 Grid Receptor 84 684 650944 4077573 0.000630 276.5 296 0 ANNUAL ALL 1 Grid Receptor 85 685 650944 4077573 0.002000 225.6 296 0 ANNUAL ALL 1 Grid Receptor 86 686 650944 4076773 0.003720 219.8 267 0 ANNUAL ALL 1 Grid Receptor 87 G87 687 650944 4076773 0.006500 209.2 273 0 ANNUAL ALL 1 Grid Receptor 88 688 650944 4075973 0.000700 216.6 287 0 ANNUAL ALL 1 Grid Receptor 89 689 647744 4075973 0.000390 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075973 0.001810 243.2 289 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075973 0.011810 243.2 289 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4078773 0.001810 243.2 289 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.000300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078773 0.000300 214.3 830 0 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4077973 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077973 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077973 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4077773 0.002100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4077773 0.003100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4077773 0.003100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 G97 G97 G97 G97 G97 G97 G97 G97	650944	4078373	0.000380	214.8	830	0	ANNUAL	ALL	1	Grid Receptor 83	G83
650944 4077673 0.003700 225.6 296 0 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076773 0.003720 219.8 267 0 ANNUAL ALL 1 Grid Receptor 87 G87 650944 4075973 0.006500 209.2 273 0 ANNUAL ALL 1 Grid Receptor 88 G88 650944 4075973 0.007000 216.6 287 0 ANNUAL ALL 1 Grid Receptor 89 G89 647744 4075973 0.000390 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075573 0.011810 243.2 289 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075573 0.011810 243.2 289 0 ANNUAL ALL 1 Grid Receptor 9 G9 0.651344 4075973 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 0.651344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 0.651344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 0.651344 4078773 0.000130 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 0.651344 4077973 0.000110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 0.651344 4077973 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 0.651344 4077973 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 0.651344 4077973 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4077973 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4077973 0.001100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 9 G9 6651344 4077173 0.002100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 9 G9 6651344 4077173 0.002100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 9 G9 66651344 4076773 0.004870 205.6 220 0 ANNUAL ALL 1 Grid Receptor 9 G9 664584.24 407523 0.008000 205.8 269 0 ANNUAL ALL 1 Grid Receptor 9 G9 69 64584.24 4077523 0.006060 205.8 269 0 ANNUAL ALL 1 Grid Receptor 9 G9 69 64584.24 4077523 0.008000 125.8 269 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 64984.05 4077539 0.004810 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 64984.05 4077544 0.000830 225.2 259 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 64984.05 4077544 0.000830 225.3 259 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 65083.39 4077544 0.0000830 225.5 259.56 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 65083.39 4077540 0.000830 225.5 259.56 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 65083.39 4077540 0.000730 258.89 258.89 0 ANNUAL ALL 1 Bou	650944	4077973	0.001730	249.9	813	0	ANNUAL	ALL	1		G84
650944 4076773 0.003720 219.8 267 0 ANNUAL ALL 1 Grid Receptor 87 G87	650944	4077573	0.000630	276.5	296	0	ANNUAL	ALL	1	Grid Receptor 85	G85
650944 4076773 0.003720 219.8 267 0 ANNUAL ALL 1 Grid Receptor 87 G87			0.002000	225.6	296	0		ALL	1	Grid Receptor 86	G86
650944 4075973 0.007900 166.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G9 647744 4075973 0.000390 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075573 0.011810 243.2 289 0 ANNUAL ALL 1 Grid Receptor 90 G90 651344 4078173 0.000330 191 830 0 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 93 G92 651344 4078773 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 93 G93 651344 4077873 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077873 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077873 0.001100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G95 651344 4077873 0.001200 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.003100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076773 0.003100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076793 0.004870 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 G98 651344 4075973 0.006060 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 6485842 4077523 0.008200 183.61 227 0 ANNUAL ALL 1 Grid Receptor 99 G99 649584.03 4077537 0.004810 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 649484.03 4077533 0.008200 183.61 227 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649684.03 4077537 0.00810 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649684.03 4077541 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649783 4077543 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 65083.94 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 65083.94 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 65083.84 4077555 0.00230 197.16 227 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 65083.84 4077555 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 65083.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 650683.75 4077559 0.001700 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 2 P			0.003720		267	0			1	Grid Receptor 87	
650944 4075973 0.007900 166.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G9 647744 4075973 0.000390 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075573 0.011810 243.2 289 0 ANNUAL ALL 1 Grid Receptor 90 G90 651344 4078173 0.000330 191 830 0 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 93 G92 651344 4078773 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 93 G93 651344 4077873 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077873 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077873 0.001100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G95 651344 4077873 0.001200 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.003100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076773 0.003100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076793 0.004870 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 G98 651344 4075973 0.006060 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 6485842 4077523 0.008200 183.61 227 0 ANNUAL ALL 1 Grid Receptor 99 G99 649584.03 4077537 0.004810 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 649484.03 4077533 0.008200 183.61 227 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649684.03 4077537 0.00810 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649684.03 4077541 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649783 4077543 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 65083.94 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 65083.94 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 65083.84 4077555 0.00230 197.16 227 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 65083.84 4077555 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 65083.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 650683.75 4077559 0.001700 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 2 P	650944	4076373	0.006500	209.2	273	0	ANNUAL	ALL	1	Grid Receptor 88	G88
647744 4075973 0.000390 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 9 G9			0.007900		287	0			1		G89
650944 4075573 0.011810 243.2 289 0 ANNUAL ALL 1 Grid Receptor 90 G90	647744		0.000390	160.7		0	ANNUAL	ALL	1		
651344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.000500 214.3 830 0 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078773 0.000110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077173 0.002100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.002100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076373 0.003100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 G97 651344 4076373 0.004870 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 G98 651344 4075973 0.006600 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 G48584.24 4077523 0.006200 183.6 1 227 0 ANNUAL ALL 1 Grid Receptor 99 G99 G48584.24 4077523 0.008200 183.6 1 227 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 649584.03 4077539 0.001640 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 1 P10 649584.03 4077539 0.001640 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 1 P11 649684.02 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 1 P11 649683.97 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 1 P13 64988.39 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 1 P13 64988.39 4077540 0.000830 223.6 259 0 ANNUAL ALL 1 Boundary Perimeter 1 P14 64988.39 4077544 0.000730 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 1 P15 65083.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 1 P15 65083.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 1 P16 65083.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 1 P16 65083.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 1 P16 65083.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 1 P16 65083.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 1 P16 65083.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 1 P16 65083.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 1 P19 66083.87 4077550 0.000470 256.77	650944	4075573	0.011810	243.2	289	0	ANNUAL	ALL	1	*	G90
651344 4078773 0.000300 181 830 0 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078373 0.000500 214.3 830 0 ANNUAL ALL 1 Grid Receptor 93 G93 651344 4077573 0.00110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077173 0.002100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.003100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076373 0.004870 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 G98 651344 4075373 0.006060 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 6451344 40775373 0.006060 205.8						0			1		
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651344 4077973 0.001110 248.4 826 0 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 95 G95 G95 651344 4077173 0.002100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.003100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.004870 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 G98 651344 4075973 0.006060 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 648584.24 4075923 0.006820 183.61 227 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 649484.05 4077537 0.004810 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 649584.03 4077539 0.001640 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649584.02 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077541 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 64988.97 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 64988.99 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 64988.97 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077546 0.002730 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650183.91 4077548 0.002770 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650183.91 4077548 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650383.84 4077552 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 15 P16 650183.91 4077548 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077554 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 64868.42 4077555 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 650683.78 4077557 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 650683.78 4077557 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 650683.78 4077557 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 65078.81 4077554 0.001700 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 65078.81 4077557 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 65078.81 4077555 0.001010 267.9 296 0 ANNUAL ALL 1 Boundary Peri		4078373	0.000500	214.3	830	0	ANNUAL	ALL	1		G93
651344 4077573 0.001130 213.2 826 0 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077173 0.002100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 G51344 4076773 0.003100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.004870 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 G98 651344 4076373 0.006600 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 G48584.24 4077523 0.008200 183.61 227 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 649484.05 4077537 0.004810 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 649684.02 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 649684.02 4077541 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649883.99 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 65088.94 4077554 0.002780 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 65083.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 65083.87 4077552 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 65083.87 4077554 0.002180 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 65083.87 4077554 0.002180 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 65083.81 4077554 0.00170 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 65083.81 4077554 0.00170 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 65083.81 4077554 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 65083.81 4077554 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 65083.81 4077554 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 65083.81 4077554 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 65083.81 4077554 0.001010 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 65083.81 4077554 0.001010 267.9 296 0 ANNUAL ALL 1 Boundary						0			1	*	G94
651344 4077173 0.002100 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 G51344 4076773 0.003100 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 G97 G51344 4076373 0.004870 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 G98 G98 G51344 4075973 0.006060 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 G48584.24 4077523 0.008200 183.61 227 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 G4984.05 4077537 0.004810 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 G49584.03 4077539 0.001640 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 G49684.02 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 G49784 4077541 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 G4988.39 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 G49983.97 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 G50083.94 4077546 0.002730 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 G50183.91 4077548 0.002180 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 G50283.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 G50283.87 4077555 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 G48684.22 4077552 0.002040 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 G48684.22 4077554 0.001720 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 G50683.78 4077554 0.001720 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 G50683.78 4077554 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 G50683.78 4077554 0.001690 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 G50683.78 4077554 0.001700 257.58 296 0 ANNUAL					826	0			1		G95
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651344 4075973 0.006060 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 648584.24 4077523 0.008200 183.61 227 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 649484.05 4077537 0.004810 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649584.03 4077539 0.001640 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 649684.02 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077541 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077543			0.003100	203.5	813	0		ALL	1	Grid Receptor 97	
651344 4075973 0.006060 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 648584.24 4077523 0.008200 183.61 227 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 649484.05 4077537 0.004810 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649584.03 4077539 0.001640 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 649684.02 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077541 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 650883.94 4077543	651344	4076373	0.004870	205.6	220	0	ANNUAL	ALL	1	Grid Receptor 98	G98
648584.24 4077523 0.008200 183.61 227 0 ANNUAL ALL 1 Boundary Perimeter 1 P1 649484.05 4077537 0.004810 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649584.03 4077539 0.001640 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 649684.02 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077541 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.97 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077546<			0.006060	205.8	269	0		ALL	1	Grid Receptor 99	G99
649584.03 4077539 0.001640 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 649684.02 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077541 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077546 0.002730 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077548 0.002180 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550 <td< td=""><td></td><td></td><td>0.008200</td><td>183.61</td><td>227</td><td>0</td><td>ANNUAL</td><td>ALL</td><td>1</td><td>Boundary Perimeter 1</td><td>P1</td></td<>			0.008200	183.61	227	0	ANNUAL	ALL	1	Boundary Perimeter 1	P1
649584.03 4077539 0.001640 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 649684.02 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077541 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 65083.94 4077546 0.002730 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077548 0.002180 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550	649484.05	4077537	0.004810	254.01	257	0	ANNUAL	ALL	1	Boundary Perimeter 10	P10
649684.02 4077540 0.000830 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077541 0.000820 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077546 0.002730 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077548 0.002180 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 <td< td=""><td>649584.03</td><td></td><td>0.001640</td><td>235.3</td><td>259</td><td>0</td><td></td><td></td><td>1</td><td></td><td>P11</td></td<>	649584.03		0.001640	235.3	259	0			1		P11
649883.99 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077546 0.002730 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077548 0.002180 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552 0.002040 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 4077525 0.007330 197.16 227 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 650483.81 <t< td=""><td></td><td></td><td>0.000830</td><td></td><td>259</td><td>0</td><td></td><td>ALL</td><td>1</td><td>•</td><td>P12</td></t<>			0.000830		259	0		ALL	1	•	P12
649883.99 4077542 0.001390 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077546 0.002730 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077548 0.002180 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552 0.002040 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 4077525 0.007330 197.16 227 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 650483.81 <t< td=""><td>649784</td><td>4077541</td><td>0.000820</td><td>222.37</td><td>260</td><td>0</td><td>ANNUAL</td><td>ALL</td><td>1</td><td>Boundary Perimeter 13</td><td>P13</td></t<>	649784	4077541	0.000820	222.37	260	0	ANNUAL	ALL	1	Boundary Perimeter 13	P13
649983.97 4077543 0.003790 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077546 0.002730 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077548 0.002180 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552 0.002040 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 4077525 0.007330 197.16 227 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 650483.81 4077554 0.001720 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 <		4077542		233.6	259	0			1	Boundary Perimeter 14	
650183.91 4077548 0.002180 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552 0.002040 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 4077525 0.007330 197.16 227 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 650483.81 4077554 0.001720 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077557 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077559 0.001720 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650778.91	649983.97	4077543	0.003790	249.54	259	0			1		P15
650183.91 4077548 0.002180 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552 0.002040 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 4077525 0.007330 197.16 227 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 650483.81 4077554 0.001720 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077557 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077559 0.001720 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650778.91	650083.94	4077546	0.002730	258.89	258.89	0	ANNUAL	ALL	1	Boundary Perimeter 16	P16
650283.87 4077550 0.002470 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552 0.002040 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 4077525 0.007330 197.16 227 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 650483.81 4077554 0.001720 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077557 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077559 0.001720 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.001010 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077		4077548	0.002180	259.56		0	ANNUAL	ALL	1	•	P17
650383.84 4077552 0.002040 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 4077525 0.007330 197.16 227 0 ANNUAL ALL 1 Boundary Perimeter 2 P2 650483.81 4077554 0.001720 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077557 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077559 0.001720 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.001010 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077454 0.000700 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24						0			1		
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650483.81 4077554 0.001720 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077557 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077559 0.001720 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.001010 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077454 0.000700 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24									1	•	
650583.78 4077557 0.001690 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077559 0.001720 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.001010 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077454 0.000700 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24									1	Ţ.	
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650776.81 4077554 0.001010 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077454 0.000700 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24									1		
650778.91 4077454 0.000700 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24									1		
									1		-
030/01 40//334	650781	4077354	0.001470	265.73	281	0	ANNUAL	ALL	1	Boundary Perimeter 25	P25

* AERMET (21112): 2020 16:19:

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

TORN	*11 X 1 . (/T, 1 / X,	3(1X,113.3),3(1X,10.2),2X	1,110,271,710,2	21,10.0,271,7	10)						_
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
650783.1	4077254	0.002960	251.08	282	0	ANNUAL	ALL	1	Boundary Perimeter 26	P26	
650785.19	4077154	0.003560	252.83	281	0	ANNUAL	ALL	1	Boundary Perimeter 27	P27	
650787.29	4077054	0.003950	246.1	269	0	ANNUAL	ALL	1	Boundary Perimeter 28	P28	
650789.38	4076954	0.004440	241.37	269	0	ANNUAL	ALL	1	Boundary Perimeter 29	P29	
648784.19	4077527	0.006270	209.74	209.74	0	ANNUAL	ALL	1	Boundary Perimeter 3	P3	П
650791.48	4076854	0.005850	246.79	251	0	ANNUAL	ALL	1	Boundary Perimeter 30	P30	
650793.57	4076754	0.004370	228.75	264	0	ANNUAL	ALL	1	Boundary Perimeter 31	P31	П
650754.39	4076683	0.004710	217.76	271	0	ANNUAL	ALL	1	Boundary Perimeter 32	P32	
650660.22	4076650	0.005270	221.2	273	0	ANNUAL	ALL	1	Boundary Perimeter 33	P33	П
650561.43		0.005560	220.83	273	0	ANNUAL	ALL	1	Boundary Perimeter 34	P34	
650462.72	4076666	0.005750	223.42	273	0	ANNUAL	ALL	1	Boundary Perimeter 35	P35	\neg
650364.01		0.005810	222.46	263	0	ANNUAL	ALL	1	Boundary Perimeter 36	P36	
650264.24		0.006160	223.19	263	0	ANNUAL	ALL	1	Boundary Perimeter 37	P37	
650164.71		0.006650	222.1	249	0	ANNUAL	ALL	1	Boundary Perimeter 38	P38	
650065.8	4076660	0.007370	217.03	264	0	ANNUAL	ALL	1	Boundary Perimeter 39	P39	
648884.17		0.004260	214.25	227	0	ANNUAL	ALL	1	Boundary Perimeter 4	P4	
649980.44	4076627	0.009040	214.23	264	0	ANNUAL	ALL	1	Boundary Perimeter 40	P40	
					0			1	·	P41	
649920.26		0.013370	214.91	264		ANNUAL	ALL	•	Boundary Perimeter 41		
649852.19	4076474	0.019050	214.09	266	0	ANNUAL	ALL	1	Boundary Perimeter 42	P42	
649770.68		0.028050	211.53	266	0	ANNUAL	ALL	1	Boundary Perimeter 43	P43	_
649680.48	4076375	0.041740	210.17	266	0	ANNUAL	ALL	l .	Boundary Perimeter 44	P44	
649580.91		0.061190	208.52	264	0	ANNUAL	ALL	1	Boundary Perimeter 45	P45	
649482.48		0.083940	207.5	264	0	ANNUAL	ALL	1	Boundary Perimeter 46	P46	
		0.082750	205.17	264	0	ANNUAL	ALL	1	Boundary Perimeter 47	P47	
649303.5	4076472	0.013490	202.16	264	0	ANNUAL	ALL	1	Boundary Perimeter 48	P48	
649226.19		0.006120	196.38	264	0	ANNUAL	ALL	1	Boundary Perimeter 49	P49	
648984.14	4077530	0.003150	221.41	221.41	0	ANNUAL	ALL	1	Boundary Perimeter 5	P5	
649156.2	4076605	0.013840	195.87	264	0	ANNUAL	ALL	1	Boundary Perimeter 50	P50	
649068.25	4076653	0.012350	196.32	264	0	ANNUAL	ALL	1	Boundary Perimeter 51	P51	
648986.7	4076711	0.010570	192.42	263	0	ANNUAL	ALL	1	Boundary Perimeter 52	P52	
648936.53	4076759	0.010450	192.46	250	0	ANNUAL	ALL	1	Boundary Perimeter 53	P53	\Box
648868.58	4076833	0.010350	191.63	250	0	ANNUAL	ALL	1	Boundary Perimeter 54	P54	
648797.23	4076902	0.009660	186.32	250	0	ANNUAL	ALL	1	Boundary Perimeter 55	P55	П
648710.56		0.008080	179.81	250	0	ANNUAL	ALL	1	Boundary Perimeter 56	P56	
648620.79	4076996	0.006870	176.23	250	0	ANNUAL	ALL	1	Boundary Perimeter 57	P57	П
648607.19		0.007640	175.02	250	0	ANNUAL	ALL	1	Boundary Perimeter 58	P58	
648680.07	4077119	0.010650	180.62	250	0	ANNUAL	ALL	1	Boundary Perimeter 59	P59	П
649084.12		0.002180	216.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 6	P6	
648759.24	4077180	0.002180	183.47	259	0	ANNUAL	ALL	1	Boundary Perimeter 60	P60	
648791.44		0.011050	202.88	245	0	ANNUAL	ALL	1	Boundary Perimeter 61	P61	
648788.45		0.008020	178.21	259	0	ANNUAL	ALL	1	Boundary Perimeter 62	P62	
648691.25		0.008020			0	ANNUAL		1			
			176.25	259			ALL		Boundary Perimeter 63	P63	
648591.35		0.009720	176	259	0	ANNUAL	ALL	1	Boundary Perimeter 64	P64	
648525.69	4077371	0.009310	175.24	245	0	ANNUAL	ALL	1	Boundary Perimeter 65	P65	
648586.93	407/430	0.009110	175.13	259	0	ANNUAL	ALL	1	Boundary Perimeter 66	P66	

09/01/21

PMI

* AERMET (21112): 2020 16:19:17

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		3(1A,F13.3),3(1A,F8.2),2A									
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
649184.09		0.002540	230.71	259	0	ANNUAL	ALL	1	Boundary Perimeter 7	P7	
649284.08	4077535	0.006880	248.08	259	0	ANNUAL	ALL	1	Boundary Perimeter 8	P8	
649384.06	4077536	0.005540	258.43	258.43	0	ANNUAL	ALL	1	Boundary Perimeter 9	P9	
645930	4077983	0.001360	127.38	127.38	0	ANNUAL	ALL	1	New Development	RP_G1	0.012120
646030	4077983	0.001430	131.21	131.21	0	ANNUAL	ALL	1	New Development	RP_G1	
646130	4077983	0.001510	135.89	135.89	0	ANNUAL	ALL	1	New Development	RP_G1	
646230	4077983	0.001600	139.18	139.18	0	ANNUAL	ALL	1	New Development	RP_G1	
646330	4077983	0.001710	140.76	140.76	0	ANNUAL	ALL	1	New Development	RP_G1	
646430	4077983	0.001820	143.89	143.89	0	ANNUAL	ALL	1	New Development	RP_G1	
646530	4077983	0.001950	145.22	145.22	0	ANNUAL	ALL	1	New Development	RP_G1	
646630	4077983	0.002090	147.21	147.21	0	ANNUAL	ALL	1	New Development	RP_G1	
646730	4077983	0.002250	148.3	160	0	ANNUAL	ALL	1	New Development	RP_G1	
645930	4078083	0.001490	127.58	127.58	0	ANNUAL	ALL	1	New Development	RP G1	1
646030	4078083	0.001570	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP G1	1
646130	4078083	0.001660	134.35	134.35	0	ANNUAL	ALL	1	New Development	RP G1	Ī
646230	4078083	0.001770	139.22	139.22	0	ANNUAL	ALL	1	New Development	RP G1	
646330	4078083	0.001880	144.65	144.65	0	ANNUAL	ALL	1	New Development	RP G1	
646430	4078083	0.002010	142.28	142.28	0	ANNUAL	ALL	1	New Development	RP G1	
646530	4078083	0.002140	146.76	146.76	0	ANNUAL	ALL	1	New Development	RP G1	
646630	4078083	0.002290	150.64	150.64	0	ANNUAL	ALL	1	New Development	RP G1	1
646730	4078083	0.002460	155.4	157	0	ANNUAL	ALL	1	New Development	RP G1	
645930	4078183	0.001620	127.22	127.22	0	ANNUAL	ALL	1	New Development	RP G1	
646030	4078183	0.001720	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP G1	
646130	4078183	0.001720	133.89	133.89	0	ANNUAL	ALL	1	New Development	RP G1	
646230	4078183	0.001930	140.45	140.45	0	ANNUAL	ALL	1	New Development	RP G1	
646330	4078183	0.002050	146.94	146.94	0	ANNUAL	ALL	1	New Development	RP G1	1
646430	4078183	0.002030	140.23	140.23	0	ANNUAL	ALL	1	New Development	RP G1	1
646530	4078183	0.002320	147.25	147.25	0	ANNUAL	ALL	1	New Development	RP G1	1
646630	4078183	0.002320	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP G1	1
646730	4078183	0.002470	157.78	166	0	ANNUAL	ALL	1	New Development	RP G1	+
645930	4078283	0.002070	126.06	126.06	0	ANNUAL	ALL	1	New Development	RP G1	
646030	4078283	0.001760	129.56	129.56	0	ANNUAL	ALL	1	New Development	RP G1	-
646130	4078283	0.001800	132.89	132.89	0	ANNUAL	ALL	1		RP G1	
646230	4078283	0.001970	132.89	132.89	0	ANNUAL	ALL	1	New Development	RP_G1	-
646330	4078283	0.002080	142.68	142.68	0	ANNUAL	ALL	1	New Development	RP G1	
	4078283		142.68			ANNUAL		1	New Development	RP_G1	-
646430		0.002340		140.02	0		ALL	1	New Development		-
646530	4078283	0.002500	147.22	147.22	0	ANNUAL	ALL	1	New Development	RP_G1	-
646630	4078283	0.002680	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP_G1	
646730	4078283	0.002880	156.78	166	0	ANNUAL	ALL	1	New Development	RP_G1) (EID
648659.32	4077241	0.012120	205.79	205.79	0	ANNUAL	ALL	1	House 1	RP_H1	MEIR
648071.24	4076116	0.000490	169.6	240	0	ANNUAL	ALL	1	House 10	RP_H10	
648247.37	4076278	0.000640	184.55	240	0	ANNUAL	ALL	1	House 11	RP_H11	
648027.19	4076255	0.000540	169.38	240	0	ANNUAL	ALL	1	House 12	RP_H12	
648065.77	4076359	0.000620	173.83	240	0	ANNUAL	ALL	1	House 13	RP_H13	
648138.68	4076400	0.000690	178.22	240	0	ANNUAL	ALL	1	House 14	RP_H14	

09/01/21

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

No. Color			3(1X,F13.5),3(1X,F8.2),2X				4.5.750	CDD	William Samman		***
64787.28 4076365 0.000380 165.39 240 0									NUM YRS NET ID	•	
647502 4076205 0.000540 159 159 0. ANNUAL ALL 1 House 17 RP H17 RF H17									<u>l</u>		
647912 4076247 0.000510 164 240 0 ANNUAL ALL 1 House 18 RP H19 647708.78 0.076352 0.000540 163.52 0.55.22 0. ANNUAL ALL 1 House 20 RP H19 648731.71 4075470 0.000630 173.69 22.7 0 ANNUAL ALL 1 House 20 RP H19 647703.58 4076251 0.000640 162.17 162.17 0.1 ANNUAL ALL 1 House 20 RP H20 647718.77 4076104 0.000420 1593.5 1593.5 0. ANNUAL ALL 1 House 21 RP H20 647718.77 4076104 0.000420 1593.5 1593.5 0. ANNUAL ALL 1 House 21 RP H20 64778.77 4076104 0.000420 163 234 0 ANNUAL ALL 1 House 22 RP H22 64784.32 407600 0.000670 167.93 167.93 0. ANNUAL ALL 1 House 22 RP H22 64782.26 407600 0.000670 164.15 164.15 0. ANNUAL ALL 1 House 24 RP H24 64782.91 4076644 0.000800 168.29 168.29 168.29 0. ANNUAL ALL 1 House 25 RP H25 647851.01 4076497 0.000610 169.56 159.56 0. ANNUAL ALL 1 House 25 RP H25 647851.01 4076989 0.00120 164.29 162.9 0. ANNUAL ALL 1 House 27 RP H27 648768.23 4076182 0.000580 163.29 168.29 0. ANNUAL ALL 1 House 27 RP H27 648768.23 4076182 0.000580 183.22 240 0. ANNUAL ALL 1 House 27 RP H27 648768.23 407682 0.000580 183.22 240 0. ANNUAL ALL 1 House 20 RP H20 648768.23 4076899 0.000380 159.5 159.5 0. ANNUAL ALL 1 House 20 RP H20 648768.24 4076997 0.000380 127.13 142 0. ANNUAL ALL 1 House 20 RP H20 648768.24 4076997 0.000380 127.13 142 0. ANNUAL ALL 1 House 21 RP H21 651568 4077667 0.002340 213.59 813 0. ANNUAL ALL 1 House 21 RP H21 651568 4077667 0.002340 213.59 813 0. ANNUAL ALL 1 House 21 RP H21 651698 4076997 0.000300 174.44 227 0. ANNUAL ALL 1 House 24 RP H24 664785.24 4076997 0.000300 174.44 227 0. ANNUAL ALL 1 House 24 RP H24											
647708,78 4076352 0.000540 163.52 163.52 0 ANNUAL ALL 1 House 19 RP_HI9 648731,71 4075470 0.000630 173.69 227 0 ANNUAL ALL 1 House 20 RP_HI2 64770.58 4076251 0.000400 162.17 162.17 0 ANNUAL ALL 1 House 20 RP_HI2 64778.37 4076104 0.000420 159.35 159.35 0 ANNUAL ALL 1 House 21 RP_HI2 64784.32 4076125 0.000440 163 234 0 ANNUAL ALL 1 House 22 RP_HI2 64784.32 4076125 0.000640 163 234 0 ANNUAL ALL 1 House 22 RP_HI2 64784.32 4076125 0.000670 166.15 166.15 0 ANNUAL ALL 1 House 22 RP_HI2 64777.75 4076644 0.00070 166.15 166.15 0 ANNUAL ALL 1 House 24 RP_HI2 64776.31 4076644 0.000800 168.29 168.29 0 ANNUAL ALL 1 House 25 RP_HI2 64776.71 4076644 0.000800 168.29 168.29 0 ANNUAL ALL 1 House 26 RP_HI2 64780.71 4076497 0.000610 159.56 159.56 0 ANNUAL ALL 1 House 26 RP_HI2 64780.71 4076497 0.000610 159.56 159.56 0 ANNUAL ALL 1 House 27 RP_HI2 64780.71 4076989 0.001220 161.42 162 0 ANNUAL ALL 1 House 27 RP_HI2 647607.82 4076989 0.001220 161.42 162 0 ANNUAL ALL 1 House 27 RP_HI2 64822.55 4076182 0.000580 183.22 240 0 ANNUAL ALL 1 House 28 RP_HI2 64822.55 4076182 0.000580 183.22 240 0 ANNUAL ALL 1 House 29 RP_HI2 648708.23 4077487 0.000680 172.13 142 0 ANNUAL ALL 1 House 29 RP_HI2 645876.32 4077487 0.000880 172.13 142 0 ANNUAL ALL 1 House 30 RP_HI3 645876.32 4077487 0.000880 172.13 142 0 ANNUAL ALL 1 House 31 RP_HI3 65190 4076997 0.003720 20.55 813 0 ANNUAL ALL 1 House 31 RP_HI3 65190 4076997 0.003720 20.55 813 0 ANNUAL ALL 1 House 32 RP_HI3 648876.77 4075307 0.001370 22.591 227 0 ANNUAL ALL 1 House 34 RP_HI3 648876.79 4076190 0.000300 164.41 164 146 0 ANNUAL ALL 1 House 34 RP_HI3 648787.49 407610 0.000600 164.31 164.9											
64873.7.1 4075470 0.000630 173.69 227 0 ANNUAL ALL 1 House 2 RP H20 647703.58 4076251 0.000490 159.35 159.35 0 ANNUAL ALL 1 House 21 RP H20 64778.87 4076104 0.000420 159.35 159.35 0 ANNUAL ALL 1 House 21 RP H21 64764.32 4076105 0.000440 163 224 0 ANNUAL ALL 1 House 22 RP H22 64764.22 4076500 0.000670 167493 16793 0 ANNUAL ALL 1 House 23 RP H23 647772.75 4076644 0.000770 1641.5 1641.5 0 ANNUAL ALL 1 House 23 RP H23 64772.75 4076644 0.000770 1641.5 1641.5 0 ANNUAL ALL 1 House 24 RP H24 64782.19 4076970 0.000610 159.56 159.56 0 ANNUAL ALL 1 House 25 RP H25 647530 4076497 0.000610 159.56 159.56 0 ANNUAL ALL 1 House 26 RP H25 647810.11 4076854 0.001250 161.29 16.29 0 ANNUAL ALL 1 House 27 RP H27 647691.48 4076898 0.001220 161.42 162 0 ANNUAL ALL 1 House 27 RP H27 6476748 4076898 0.001220 161.42 162 0 ANNUAL ALL 1 House 28 RP H25 647578.34 4076698 0.000580 183.22 240 0 ANNUAL ALL 1 House 29 RP H29 647678.23 4075600 0.000380 159.5 159.5 10 ANNUAL ALL 1 House 29 RP H29 647678.23 4075600 0.000380 159.5 159.5 0 ANNUAL ALL 1 House 29 RP H29 647678.23 4075600 0.000380 159.5 159.5 0 ANNUAL ALL 1 House 3 RP H3 65902 4076062 0.000800 159.5 159.5 0 ANNUAL ALL 1 House 3 RP H3 651490 4076697 0.000880 159.5 159.5 0 ANNUAL ALL 1 HOUSE 3 RP H30 65902 4076062 0.000800 215.24 287 0 ANNUAL ALL 1 House 3 RP H3 651490 4076697 0.000380 159.5 159.5 0 ANNUAL ALL 1 House 3 RP H3 661490 4076697 0.000340 215.24 287 0 ANNUAL ALL 1 House 3 RP H3 661490 4076697 0.000340 215.24 287 0 ANNUAL ALL 1 House 3 RP H3 661490 4076697 0.000340 215.24 287 0 ANNUAL ALL 1 House 3 RP H3 661490 4076697 0.000340 215.9 183 0 ANNUAL ALL 1 House 3 RP H3 664878.3 407569 0.000340 174.44 227 0 ANNUAL ALL 1 HOUSE 3 RP H3 664878.3 407569 0.000340 174.44 227 0 ANNUAL ALL 1 HOUSE 3 RP H3 664878.3 407569 0.000340 174.44 227 0 ANNUAL ALL 1 HOUSE 3 RP H3 664878.3 407569 0.000340 174.44 227 0 ANNUAL ALL 1 HOUSE 3 RP H3 664887.3 407585 0.000440 162.0 162.0 162.0 ANNUAL ALL 1 HOUSE 3 RP H3 664887.3 407585 0.000440 162.0 162.0 ANNUAL ALL 1 HOUSE 3 RP H3 664887.3 407699 0.000340	647921		0.000510	164	240	0	ANNUAL	ALL	1	House 18	RP_H18
647705.58 4076251 0.000490 162.17 162.17 0. ANNUAL ALL 1 House 20 RP. H20 647718.77 4076104 0.000420 159.35 159.35 0. ANNUAL ALL 1 House 21 RP. H21 64784.322 4076125 0.000440 163 234 0. ANNUAL ALL 1 House 22 RP. H22 64784.326 4076500 0.000670 164.15 164.15 0. ANNUAL ALL 1 House 24 RP. H23 647727.75 4076644 0.000770 164.15 164.15 0. ANNUAL ALL 1 House 24 RP. H23 647730 4076644 0.000770 164.15 164.15 0. ANNUAL ALL 1 House 25 RP. H23 64782.39 4076644 0.000770 164.25 168.29 0. ANNUAL ALL 1 House 25 RP. H23 64783.39 4076644 0.000610 159.56 159.56 0. ANNUAL ALL 1 House 26 RP. H26 647810.11 4076854 0.001050 162.29 162.9 0. ANNUAL ALL 1 House 26 RP. H26 64787.11 4076894 0.00120 161.42 162 0. ANNUAL ALL 1 House 27 RP. H27 647678.23 4076182 0.000580 183.22 240 0. ANNUAL ALL 1 House 28 RP. H28 64822.55 4076182 0.000580 183.22 240 0. ANNUAL ALL 1 House 29 RP. H29 64576.32 4077487 0.000880 127.13 142 0. ANNUAL ALL 1 House 3 RP. H31 645876.32 4077667 0.000880 127.13 142 0. ANNUAL ALL 1 House 3 RP. H31 65190 4076697 0.000820 215.24 287 0. ANNUAL ALL 1 House 31 RP. H31 66190 4076697 0.00370 205.5 813 0. ANNUAL ALL 1 House 31 RP. H31 648672.77 4075307 0.00370 225.91 227 0. ANNUAL ALL 1 House 34 RP. H34 64876.49 4076210 0.000380 174.44 227 0. ANNUAL ALL 1 House 34 RP. H35 646379.37 4077637 0.000380 164.01 146 0. ANNUAL ALL 1 House 34 RP. H36 646379.37 4077637 0.000380 146.41 146 0. ANNUAL ALL 1 House 34 RP. H36 646379.37 4077630 0.001370 225.91 227 0. ANNUAL ALL 1 House 36 RP. H36 646379.37 4077630 0.001370 225.91 227 0. ANNUAL ALL 1 House 37 RP. H37 6463836.49 4076210 0.00390 196.88 13 0. ANNUAL ALL 1 House 40 RP. H46 6	647708.78		0.000540	163.52		0	ANNUAL	ALL	1	House 19	RP_H19
64718.77 4076104 0.000420 159.35 159.35 0 ANNUAL ALL 1 House 21 RP 121	648371.71	4075470	0.000630	173.69	227	0	ANNUAL	ALL	1	House 2	
647843.32 407625 0.000440 163 234 0 ANNUAL ALL 1 House 22 RP H22 647842.26 4076500 0.000670 1679.31 1679.3 0. ANNUAL ALL 1 House 23 RP H23 647877.75 4076644 0.00070 1641.5 1641.5 0 ANNUAL ALL 1 House 24 RP H24 64782.39 4076644 0.000800 168.29 168.29 0 ANNUAL ALL 1 House 25 RP H25 647810 4076497 0.000610 159.56 159.56 0 ANNUAL ALL 1 House 26 RP H26 647810.11 4076854 0.001050 161.29 162.9 0 ANNUAL ALL 1 House 27 RP H27 647671.11 4076854 0.001050 161.29 162.9 0 ANNUAL ALL 1 House 27 RP H27 647671.11 4076854 0.001050 161.42 162 0 ANNUAL ALL 1 House 27 RP H27 647678.23 4076182 0.000580 183.22 240 0 ANNUAL ALL 1 House 28 RP H28 648225.5 4076182 0.000580 183.22 240 0 ANNUAL ALL 1 House 29 RP H29 647678.23 4077487 0.000880 159.5 159.5 0 ANNUAL ALL 1 House 3 RP H3 645876.32 4077487 0.000880 127.13 142 0 ANNUAL ALL 1 House 30 RP H30 650902 4076902 0.009520 215.24 287 0 ANNUAL ALL 1 House 31 RP H31 651490 407697 0.003720 205.5 813 0 ANNUAL ALL 1 House 31 RP H31 643876.4 4077667 0.003720 205.5 813 0 ANNUAL ALL 1 House 32 RP H33 648672.77 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 37 RP H34 64383.6 4075469 0.000640 174.44 227 0 ANNUAL ALL 1 House 37 RP H35 64379.37 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 37 RP H35 64379.37 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 37 RP H35 64379.37 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 37 RP H35 64379.37 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 37 RP H36 643873.3 4077473 0.001300 145 145 0 ANNUAL ALL 1 House 37 RP H36 643873.3 4077473 0.000300 174.44 227 0 ANNUAL ALL 1 House 40 RP H40 4078250 407	647703.58		0.000490	162.17	162.17	0	ANNUAL	ALL	1	House 20	RP_H20
647822.5 4076500 0.000670 167.93 167.93 0 ANNUAL ALL 1 House 23 RP H23	647718.77	4076104	0.000420	159.35	159.35	0	ANNUAL	ALL	1	House 21	RP_H21
64787.275 4076644 0.000770 164.15 164.15 0 ANNUAL ALL 1 House 24 RP H24 64783.03 4076497 0.000810 168.29 168.29 0 ANNUAL ALL 1 House 25 RP H25 647810 4076497 0.000610 159.56 159.56 0 ANNUAL ALL 1 House 26 RP H26 647810.11 4076834 0.001050 162.9 162.9 0 ANNUAL ALL 1 House 27 RP H27 647677.43 4076894 0.00120 161.42 162 0 ANNUAL ALL 1 House 28 RP H28 648225.5 4076182 0.000580 183.22 240 0 ANNUAL ALL 1 House 29 RP H29 647678.23 407589 0.000580 189.5 159.5 0 ANNUAL ALL 1 House 29 RP H29 645876.32 4077487 0.000880 127.13 142 0 ANNUAL ALL 1 House 30 RP H30 645876.32 4077487 0.000880 127.13 142 0 ANNUAL ALL 1 House 30 RP H30 651902 4077487 0.000880 127.13 142 0 ANNUAL ALL 1 House 31 RP H31 651409 4076597 0.003720 205.5 813 0 ANNUAL ALL 1 House 31 RP H31 651409 4076597 0.003720 205.5 813 0 ANNUAL ALL 1 House 32 RP H32 648672.77 4075907 0.003720 225.91 227 0 ANNUAL ALL 1 House 34 RP H33 648672.77 4075907 0.003700 225.91 227 0 ANNUAL ALL 1 House 34 RP H33 648672.77 4075907 0.0003700 225.91 227 0 ANNUAL ALL 1 House 34 RP H33 64837.5 4075469 0.000630 174.44 227 0 ANNUAL ALL 1 House 34 RP H33 64837.2 4075865 0.000710 201.97 333 0 ANNUAL ALL 1 House 36 RP H36 645873.7 4075807 0.0003700 174.44 227 0 ANNUAL ALL 1 House 37 RP H37 64383.6 4075469 0.000630 174.44 227 0 ANNUAL ALL 1 House 36 RP H36 645837.3 4076210 0.003590 196.88 813 0 ANNUAL ALL 1 House 36 RP H36 65294.59 4076301 0.000400 174.44 227 0 ANNUAL ALL 1 House 37 RP H37 64383.6 4075469 0.000630 174.44 227 0 ANNUAL ALL 1 House 36 RP H36 65294.59 4076301 0.000340 197.06 813 0 ANNUAL ALL 1 House 37 RP H37 646379.37 4076210 0.000580 196.88 813 0 ANNUAL ALL 1 House 36 RP H36 65294.59 4076301 0.000340 197.06 813 0 ANNUAL ALL 1 House 37 RP H37 64781.52 4076210 0.000580 154.45 159 0 ANNUAL ALL 1 House 40 RP H40 64781.52 4077474 0.001900 149.68 153 0 ANNUAL ALL 1 House 40 RP H40 64781.52 4077474 0.001900 149.68 153 0 ANNUAL ALL 1 House 41 RP H41 647950.000600 154.45 159 0 ANNUAL ALL 1 House 42 RP H42 647750.05 4077340 0.001600 154.45 159 0 ANNUAL ALL 1 House 44 RP H46 64751.05 4	647843.32	4076125	0.000440	163	234	0	ANNUAL	ALL	1	House 22	RP_H22
64783 407644 0.000800	647842.26	4076500	0.000670	167.93	167.93	0	ANNUAL	ALL	1	House 23	RP_H23
647810.11 4076854 0.001050 162.9 162.9 0 ANNUAL ALL 1 House 26 RP H26 647810.11 4076854 0.001050 162.9 162.9 0 ANNUAL ALL 1 House 27 RP H27 647691.48 4070689 0.001220 161.42 162 0 ANNUAL ALL 1 House 28 RP H28 648225.5 4076182 0.000580 183.22 240 0 ANNUAL ALL 1 House 3 RP H28 648225.5 4076182 0.000580 183.22 240 0 ANNUAL ALL 1 House 3 RP H38 645876.32 4077487 0.000880 127.13 142 0 ANNUAL ALL 1 House 3 RP H38 651902 4077487 0.000880 127.13 142 0 ANNUAL ALL 1 House 3 RP H39 645876.32 4077487 0.000880 127.13 142 0 ANNUAL ALL 1 House 30 RP H30 651902 4076062 0.008020 215.52 287 0 ANNUAL ALL 1 House 31 RP H31 651490 4076597 0.003720 205.5 813 0 ANNUAL ALL 1 House 32 RP H32 651563 4077067 0.002340 213.93 813 0 ANNUAL ALL 1 House 32 RP H32 645863.2 4075469 0.000630 174.44 227 0 ANNUAL ALL 1 House 33 RP H36 648672.77 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 34 RP H34 64838.3 6 4075469 0.000630 174.44 227 0 ANNUAL ALL 1 House 35 RP H35 651490 4076565 0.004710 201.97 333 0 ANNUAL ALL 1 House 35 RP H36 651849.72 4075865 0.004710 201.97 333 0 ANNUAL ALL 1 House 37 RP H37 652045.49 4076210 0.003590 198.88 813 0 ANNUAL ALL 1 House 37 RP H37 652045.49 4076210 0.003590 198.88 813 0 ANNUAL ALL 1 House 38 RP H38 652045.49 4076310 0.003590 198.88 813 0 ANNUAL ALL 1 House 39 RP H39 647815.25 4075985 0.000400 162.04 162.04 0 ANNUAL ALL 1 House 40 RP H40 64705.21 4077360 0.001310 145 145 0 ANNUAL ALL 1 House 40 RP H40 64705.21 4077340 0.001310 145 145 0 ANNUAL ALL 1 House 41 RP H41 64728.64 4077373 0.001180 154.54 159 0 ANNUAL ALL 1 House 44 RP H44 647359.5 4075985 0.000400 162.04 162.04 0 ANNUAL ALL 1 House 44 RP H44 647359.5 4075985 0.0001310 145 145 0 ANNUAL ALL 1 House 44 RP H45 647359.5 4077340 0.001630 154.45 159 0 ANNUAL ALL 1 House 44 RP H45 647359.5 4077340 0.001630 154.45 159 0 ANNUAL ALL 1 House 44 RP H45 647359.5 4077340 0.001630 154.45 159 0 ANNUAL ALL 1 House 44 RP H45 647359.5 4077340 0.001630 154.85 158.5 10 ANNUAL ALL 1 House 45 RP H45 647359.5 4077340 0.001630 154.85 158.5 10 ANNUAL ALL 1 House 47 RP H45 646	647727.75	4076644	0.000770	164.15	164.15	0	ANNUAL	ALL	1	House 24	RP_H24
647810.11 4078854 0.001050 162.9 162.9 0 ANNUAL ALL 1 House 27 RP H27 6476974.8 4076989 0.001220 161.42 162 0 ANNUAL ALL 1 House 28 RP H28 RP H28 647678.23 4075969 0.000580 183.22 240 0 ANNUAL ALL 1 House 29 RP H29 647678.23 4075969 0.000380 159.5 159.5 0 ANNUAL ALL 1 House 3 RP H30 659002 4076062 0.0008020 215.24 287 0 ANNUAL ALL 1 House 30 RP H30 659002 4076062 0.0008020 215.24 287 0 ANNUAL ALL 1 House 31 RP H31 651490 4076597 0.003720 205.5 813 0 ANNUAL ALL 1 House 33 RP H33 648672.77 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 33 RP H33 648672.77 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 34 RP H34 646379.37 4077233 0.000840 146 146 0 ANNUAL ALL 1 House 35 RP H35 646379.37 4077233 0.000840 146 146 0 ANNUAL ALL 1 House 36 RP H36 651849.22 4075865 0.004710 201.97 333 0 ANNUAL ALL 1 House 36 RP H36 652045.99 4076319 0.0003309 196.88 813 0 ANNUAL ALL 1 House 37 RP H37 R7 H36 652045.99 4076319 0.000340 197.06 813 0 ANNUAL ALL 1 House 39 RP H39 652045.99 4076319 0.000340 197.06 813 0 ANNUAL ALL 1 House 40 RP H40 64705.02 4077373 0.001180 145.99 145.99 0 ANNUAL ALL 1 House 41 RP H41 646853.73 4077373 0.001180 145.99 145.99 0 ANNUAL ALL 1 House 44 RP H44 64789.24 4077340 0.001630 154.45 159 0 ANNUAL ALL 1 House 44 RP H44 64789.24 4077340 0.001600 164.01 164.01 0 ANNUAL ALL 1 House 44 RP H44 64789.24 4077340 0.001600 146.44 146.44 0 ANNUAL ALL 1 House 45 RP H45 64730.78 4077128 0.000870 158.51 158.51 0 ANNUAL ALL 1 House 45 RP H45 64790.24 4077329 0.001660 164.3 164.3 0 ANNUAL ALL 1 House 46 RP H46 64790.24 4077128 0.000	647823.91	4076644	0.000800	168.29	168.29	0	ANNUAL	ALL	1	House 25	RP_H25
64767.48 4076989 0.001220 161.42 162 0 ANNUAL ALL 1 House 28 RP H28 648225.5 4076182 0.000580 183.22 240 0 ANNUAL ALL 1 House 29 RP H29 647678.23 4077586 0.000580 159.5 159.5 0 ANNUAL ALL 1 House 30 RP H30 645876.32 4077487 0.000880 127.13 142 0 ANNUAL ALL 1 House 30 RP H30 659092 4076062 0.008020 215.24 287 0 ANNUAL ALL 1 House 31 RP H31 651490 4076597 0.003720 205.5 813 0 ANNUAL ALL 1 House 32 RP H32 651565 4077067 0.002340 213.93 813 0 ANNUAL ALL 1 House 34 RP H33 648672.77 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 34 RP H34 643833.6 4075469 0.000630 174.44 227 0 ANNUAL ALL 1 House 35 RP H35 643879.7 4075865 0.004710 201.97 333 0 ANNUAL ALL 1 House 36 RP H36 651245.49 4076210 0.003590 196.88 813 0 ANNUAL ALL 1 House 37 RP H37 652245.49 4076210 0.003590 196.88 813 0 ANNUAL ALL 1 House 39 RP H39 647815.25 4075985 0.000400 167.06 813 0 ANNUAL ALL 1 House 39 RP H39 647815.25 4075985 0.000400 162.04 60.04 0 ANNUAL ALL 1 House 40 RP H40 64703.91 4077373 0.001310 145 145 0 ANNUAL ALL 1 House 40 RP H40 64703.91 4077340 0.001310 145 145 0 ANNUAL ALL 1 House 41 RP H41 64703.91 647815.25 4077340 0.001310 145 145 0 ANNUAL ALL 1 House 44 RP H41 64703.91 4077340 0.001630 154.45 159 0 ANNUAL ALL 1 House 44 RP H41 64703.91 4077340 0.001630 154.45 159 0 ANNUAL ALL 1 House 44 RP H41 64703.91 4077340 0.001630 154.45 159 0 ANNUAL ALL 1 House 44 RP H41 647730.54 4077340 0.001630 154.45 159 0 ANNUAL ALL 1 House 44 RP H41 647730.55 4077340 0.001630 154.45 159 0 ANNUAL ALL 1 House 44 RP H44 647730.91 4077340 0.001630 154.45 159 0 ANNUAL ALL 1 House 46 RP H45 647731.75	647530	4076497	0.000610	159.56	159.56	0	ANNUAL	ALL	1	House 26	RP H26
64825.5 4076182 0.000580 183.22 240 0 ANNUAL ALL 1 House 9 RP H29 647678.23 4076969 0.000380 159.5 159.5 0 ANNUAL ALL 1 House 3 RP H3 65876.23 4077487 0.000580 127.13 142 0 ANNUAL ALL 1 House 30 RP H30 650002 4076062 0.008020 215.24 287 0 ANNUAL ALL 1 House 31 RP H31 651490 4076597 0.003720 205.5 813 0 ANNUAL ALL 1 House 31 RP H31 651490 4076597 0.003720 205.5 813 0 ANNUAL ALL 1 House 32 RP H32 651565 4077067 0.002340 213.93 813 0 ANNUAL ALL 1 House 33 RP H33 648672.77 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 33 RP H33 648672.77 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 34 RP H34 648383.6 4075469 0.000630 174.44 227 0 ANNUAL ALL 1 House 35 RP H35 646379.37 4077233 0.000540 146 146 0 ANNUAL ALL 1 House 35 RP H35 646379.37 4077233 0.000540 146 146 0 ANNUAL ALL 1 House 37 RP H37 652045.49 4076210 0.003590 196.88 813 0 ANNUAL ALL 1 House 37 RP H36 652055.69 407691 0.003040 197.06 813 0 ANNUAL ALL 1 House 38 RP H38 652255.69 407691 0.003590 196.88 813 0 ANNUAL ALL 1 House 39 RP H39 647815.25 4075805 0.000470 102.04 162.04 0 ANNUAL ALL 1 House 39 RP H39 647815.25 4075895 0.000400 162.04 162.04 0 ANNUAL ALL 1 House 44 RP H4 647850.21 4077373 0.001180 145.99 145.99 0 ANNUAL ALL 1 House 41 RP H41 64760.21 40773740 0.001310 145 145 0 ANNUAL ALL 1 House 42 RP H42 647359.05 4077340 0.001310 145 145 0 ANNUAL ALL 1 House 44 RP H44 647522.17 4077252 0.001660 164.3 164.3 0 ANNUAL ALL 1 House 45 RP H45 647517.82 4077139 0.001630 154.45 159 0 ANNUAL ALL 1 House 44 RP H44 647522.17 4077252 0.001660 164.3 164.3 0 ANNUAL ALL 1 House 47 RP H45 64773.72 4077128 0.000870 158.51 158.51 0 ANNUAL ALL 1 House 48 RP H45 64773.72 4077128 0.000870 158.51 158.51 0 ANNUAL ALL 1 House 49 RP H49 64789.2 4077139 0.00160 164.01 164.01 0 ANNUAL ALL 1 House 47 RP H46 64773.72 4077128 0.000870 158.51 158.51 0 ANNUAL ALL 1 House 49 RP H49 64789.2 4077131 0.001050 146.44 146.44 0 ANNUAL ALL 1 House 49 RP H49 64789.2 4077128 0.000870 158.51 158.51 0 ANNUAL ALL 1 House 49 RP H49 64789.2 4077133 0.001050 146.44 146.44 0 ANNUAL ALL 1 House 5	647810.11	4076854	0.001050	162.9	162.9	0	ANNUAL	ALL	1	House 27	RP H27
647678.23 4075969 0.000380 159.5 159.5 0 ANNUAL ALL 1 House 3 RP H3 645876.32 4077487 0.000880 127.13 142 0 ANNUAL ALL 1 House 30 RP H30 651902 4076062 0.008020 215.24 287 0 ANNUAL ALL 1 House 31 RP H31 651490 4076597 0.003720 205.5 813 0 ANNUAL ALL 1 House 32 RP H32 651565 4077067 0.002340 213.93 813 0 ANNUAL ALL 1 House 33 RP H33 648672.77 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 34 RP H34 648383.6 4075469 0.000630 174.44 227 0 ANNUAL ALL 1 House 35 RP H35 651849.7 4075233 0.000840 146 146 0 ANNUAL ALL 1 House 36 RP H36 651849.7 407525 0.004710 201.97 333 0 ANNUAL ALL 1 House 36 RP H36 652255.69 4076391 0.003590 196.88 813 0 ANNUAL ALL 1 House 37 RP H37 652045.49 4076210 0.003590 196.88 813 0 ANNUAL ALL 1 House 38 RP H38 647815.25 4075985 0.000400 162.04 162.04 0 ANNUAL ALL 1 House 39 RP H39 647815.25 4075985 0.000400 162.04 162.04 0 ANNUAL ALL 1 House 4 RP H4 646853.73 4077373 0.001180 145.99 145.99 0 ANNUAL ALL 1 House 4 RP H4 647805.21 4077340 0.001310 145 145 0 ANNUAL ALL 1 House 4 RP H4 647859.05 4077340 0.001310 145 145 0 ANNUAL ALL 1 House 41 RP H4 647359.05 4077340 0.00130 154.45 159 0 ANNUAL ALL 1 House 41 RP H4 647359.05 4077340 0.00130 154.45 159 0 ANNUAL ALL 1 House 44 RP H4 647359.05 4077340 0.00130 154.45 159 0 ANNUAL ALL 1 House 44 RP H4 647359.05 4077340 0.00130 154.45 159 0 ANNUAL ALL 1 House 44 RP H4 647359.05 4077340 0.001600 164.3 164.3 0 ANNUAL ALL 1 House 44 RP H4 647359.05 4077340 0.001600 164.3 164.3 0 ANNUAL ALL 1 House 44 RP H4 647367.72 4077352 0.001660 164.3 164.3 0 ANNUAL ALL 1 House 45 RP H45 647367.72 4077128 0.000870 158.51 158.51 0 ANNUAL ALL 1 House 46 RP H46 646819.01 4077252 0.001660 164.3 164.3 0 ANNUAL ALL 1 House 47 RP H47 647781.72 4077128 0.000870 158.51 158.51 0 ANNUAL ALL 1 House 47 RP H47 647781.72 4077128 0.000870 158.51 158.51 0 ANNUAL ALL 1 House 48 RP H48 64799.21 4077128 0.000870 158.51 158.51 0 ANNUAL ALL 1 House 50 RP H50 647291.9 4077123 0.001120 158.62 158.62 0 ANNUAL ALL 1 House 51 RP H51 647291.9 4077123 0.001110 158.62 158.62 0 ANNUAL ALL 1 House	647697.48	4076989	0.001220	161.42	162	0	ANNUAL	ALL	1	House 28	RP H28
645876.32 4077487 0.000880 127.13 142 0 ANNUAL ALL 1 House 30 RP H30 650902 4076062 0.008020 215.24 287 0 ANNUAL ALL 1 House 31 RP H31 651490 4076597 0.003720 205.5 813 0 ANNUAL ALL 1 House 32 RP H32 651565 4077067 0.003720 225.5 813 0 ANNUAL ALL 1 House 33 RP H33 648672.77 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 33 RP H33 648672.77 4075307 0.001370 225.91 227 0 ANNUAL ALL 1 House 34 RP H34 648783.6 4075469 0.000630 174.44 227 0 ANNUAL ALL 1 House 35 RP H35 646379.37 4077233 0.000840 146 146 0 ANNUAL ALL 1 House 36 RP H36 651849.72 4075865 0.004710 201.97 333 0 ANNUAL ALL 1 House 36 RP H36 65225.69 4076391 0.0003590 196.88 813 0 ANNUAL ALL 1 House 38 RP H38 65225.69 4076391 0.000340 197.06 813 0 ANNUAL ALL 1 House 38 RP H38 65225.69 4076391 0.000340 197.06 813 0 ANNUAL ALL 1 House 39 RP H39 647815.25 4075895 0.000400 162.04 162.04 0 ANNUAL ALL 1 House 39 RP H49 646853.73 4077373 0.001180 145.99 145.99 0 ANNUAL ALL 1 House 40 RP H40 64685.73 4077373 0.001180 145.99 145.99 0 ANNUAL ALL 1 House 40 RP H40 64780.62 4077340 0.001310 145 145 0 ANNUAL ALL 1 House 41 RP H41 647286.42 4077474 0.001900 149.68 153 0 ANNUAL ALL 1 House 41 RP H41 647286.42 4077340 0.001630 154.45 159 0 ANNUAL ALL 1 House 41 RP H44 64739.01 4077350 0.001840 162.28 162.28 0 ANNUAL ALL 1 House 44 RP H44 64739.01 4077325 0.001660 164.3 164.3 0 ANNUAL ALL 1 House 45 RP H45 64739.01 4077325 0.001660 164.3 164.3 0 ANNUAL ALL 1 House 45 RP H45 64739.01 4077325 0.001660 164.3 164.3 0 ANNUAL ALL 1 House 47 RP H45 64739.01 4077252 0.001660 164.3 164.01 0 ANNUAL ALL 1 House 47 RP H45 64739.01 4077252 0.001660 164.3 164.01 0 ANNUAL ALL 1 House 49 RP H49 64789.2 4077118 0.000870 155.81 158.51 0 ANNUAL ALL 1 House 49 RP H49 64789.2 4077118 0.000870 155.81 158.51 0 ANNUAL ALL 1 House 49 RP H49 64789.2 4077118 0.000870 155.85 158.65 0 ANNUAL ALL 1 House 50 RP H55 647241.77 4077227 0.001250 154.85 154.85 0 ANNUAL ALL 1 House 50 RP H55 647241.77 4077123 0.001050 154.85 158.65 0 ANNUAL ALL 1 House 51 RP H51 64701.37 4077118 0.000800 158.67 158.67 0 ANN		4076182	0.000580		240	0			1		
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646778.72 4077128 0.000870 158.51 158.51 0 ANNUAL ALL 1 House 48 RP_H48 646987.26 4077213 0.001050 146.44 146.44 0 ANNUAL ALL 1 House 49 RP_H49 647898.2 4076033 0.000420 163.83 237 0 ANNUAL ALL 1 House 5 RP_H5 647241.77 4077227 0.001250 154.85 154.85 0 ANNUAL ALL 1 House 50 RP_H50 646773.05 4077063 0.000830 159 159 0 ANNUAL ALL 1 House 51 RP_H51 647104.37 4077118 0.000990 148.99 148.99 0 ANNUAL ALL 1 House 52 RP_H52 647291.9 4077123 0.001110 158.62 158.62 0 ANNUAL ALL 1 House 53 RP_H53 646765.24 4076978 0.000800 158.67											
646987.26 4077213 0.001050 146.44 146.44 0 ANNUAL ALL 1 House 49 RP_H49 647898.2 4076033 0.000420 163.83 237 0 ANNUAL ALL 1 House 5 RP_H5 647241.77 4077227 0.001250 154.85 154.85 0 ANNUAL ALL 1 House 50 RP_H50 646773.05 4077063 0.000830 159 159 0 ANNUAL ALL 1 House 51 RP_H51 647104.37 4077118 0.000990 148.99 148.99 0 ANNUAL ALL 1 House 52 RP_H52 647291.9 4077123 0.001110 158.62 158.62 0 ANNUAL ALL 1 House 53 RP_H53 646765.24 4076978 0.000800 158.67 158.67 0 ANNUAL ALL 1 House 54 RP_H54											
647898.2 4076033 0.000420 163.83 237 0 ANNUAL ALL 1 House 5 RP_H5 647241.77 4077227 0.001250 154.85 154.85 0 ANNUAL ALL 1 House 50 RP_H50 646773.05 4077063 0.000830 159 159 0 ANNUAL ALL 1 House 51 RP_H51 647104.37 4077118 0.000990 148.99 148.99 0 ANNUAL ALL 1 House 52 RP_H52 647291.9 4077123 0.001110 158.62 158.62 0 ANNUAL ALL 1 House 53 RP_H53 646765.24 4076978 0.000800 158.67 158.67 0 ANNUAL ALL 1 House 54 RP_H54											
647241.77 4077227 0.001250 154.85 154.85 0 ANNUAL ALL 1 House 50 RP H50 646773.05 4077063 0.000830 159 159 0 ANNUAL ALL 1 House 51 RP H51 647104.37 4077118 0.000990 148.99 148.99 0 ANNUAL ALL 1 House 52 RP H52 647291.9 4077123 0.001110 158.62 158.62 0 ANNUAL ALL 1 House 53 RP H53 646765.24 4076978 0.000800 158.67 158.67 0 ANNUAL ALL 1 House 54 RP H54											_
646773.05 4077063 0.000830 159 159 0 ANNUAL ALL 1 House 51 RP H51 647104.37 4077118 0.000990 148.99 148.99 0 ANNUAL ALL 1 House 52 RP H52 647291.9 4077123 0.001110 158.62 158.62 0 ANNUAL ALL 1 House 53 RP H53 646765.24 4076978 0.000800 158.67 158.67 0 ANNUAL ALL 1 House 54 RP H54											_
647104.37 4077118 0.000990 148.99 148.99 0 ANNUAL ALL 1 House 52 RP_H52 647291.9 4077123 0.001110 158.62 158.62 0 ANNUAL ALL 1 House 53 RP_H53 646765.24 4076978 0.000800 158.67 158.67 0 ANNUAL ALL 1 House 54 RP_H54											
647291.9 4077123 0.001110 158.62 158.62 0 ANNUAL ALL 1 House 53 RP_H53 646765.24 4076978 0.000800 158.67 158.67 0 ANNUAL ALL 1 House 54 RP_H54											
646765.24 4076978 0.000800 158.67 158.67 0 ANNUAL ALL 1 House 54 RP_H54											
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646995.65 4076984 0.000830 152.34 152.34 0 ANNUAL ALL 1 House 55 RP_H55											
	646995.65	4076984	0.000830	152.34	152.34	0	ANNUAL	ALL	1	House 55	RP_H55

09/01/21

* AERMET (21112): 2020

16.19.17

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
647317.21	4077031	0.000990	160.22	160.22	0	ANNUAL	ALL	1	House 56	RP_H56
647398.39	4077013	0.001020	161.26	161.26	0	ANNUAL	ALL	1	House 57	RP_H57
646978.93	4076904	0.000800	156.81	156.81	0	ANNUAL	ALL	1	House 58	RP_H58
647015.19	4076807	0.000770	156.21	156.21	0	ANNUAL	ALL	1	House 59	RP_H59
648045.44	4076018	0.000480	168.26	240	0	ANNUAL	ALL	1	House 6	RP_H6
647163.96	4076802	0.000780	154.38	154.38	0	ANNUAL	ALL	1	House 60	RP_H60
647310.58	4076940	0.000890	162.49	162.49	0	ANNUAL	ALL	1	House 61	RP_H61
647298.09	4076805	0.000790	158	158	0	ANNUAL	ALL	1	House 62	RP_H62
647446.56	4076900	0.000900	159.45	159.45	0	ANNUAL	ALL	1	House 63	RP_H63
647464.49	4076781	0.000810	159.32	159.32	0	ANNUAL	ALL	1	House 64	RP_H64
647512	4076536	0.000640	159	159	0	ANNUAL	ALL	1	House 65	RP_H65
651131	4078767	0.000310	179.58	830	0	ANNUAL	ALL	1	House 66	RP_H66
647131	4077336	0.001340	146.77	146.77	0	ANNUAL	ALL	1	House 67	RP_H67
646798	4076740	0.000730	156.07	156.07	0	ANNUAL	ALL	1	House 68	RP_H68
646900	4076802	0.000760	159	159	0	ANNUAL	ALL	1	House 69	RP_H69
648126.33	4075955	0.000550	171.51	240	0	ANNUAL	ALL	1	House 7	RP_H7
647317	4076662	0.000720	159.9	159.9	0	ANNUAL	ALL	1	House 70	RP_H70
648249.26	4075970	0.000640	183.42	240	0	ANNUAL	ALL	1	House 8	RP_H8
648218.58	4076109	0.000570	182.28	240	0	ANNUAL	ALL	1	House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

* AERMET (21112): 2018

14:16:57

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

POKN	viAi.(A,iA,.	3(17,113.3),3(17,16.2)	$1,2\Lambda,\Lambda 0,2\Lambda,\Gamma$	10,271,10.0,2	$\Lambda,\Lambda o)$						_
* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
645996	4078698	70864.67	123.85	123.85	0	ANNUAL	ALL	1	AQ Monitoring Station	AQ_ST_1	
643904	4077719	35809.20	105.68	105.68	0	ANNUAL	ALL	1	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	27440.51	85.12	85.12	0	ANNUAL	ALL	1	Dunne Park	CR PK 1	
642179	4079950	27374.24	117.99	117.99	0	ANNUAL	ALL	1	Vista Park Hill Park	CR PK 2	
644733	4078753	54102.72	106.44	106.44	0	ANNUAL	ALL	1	Las Brisas Park	CR PK 3	
645609	4078854	60890.22	112.86	112.86	0	ANNUAL	ALL	1	Frank Klauer Memorial Park	CR PK 4	
644238	4078807	47031.05	95.25	95.25	0	ANNUAL	ALL	1	Veterans Memorial Park	CR PK 5	
645311	4076559	44928.42	134.61	134.61	0	ANNUAL	ALL	1	Park 6	CR PK 6	
649582	4073424	66402.22	159.96	318	0	ANNUAL	ALL	1	Park 7	CR PK 7	
645145	4077181	43600.84	133	133	0	ANNUAL	ALL	1	Cerra Vista Elem School	CR SC 1	
642905	4079955	29231.94	86	86	0	ANNUAL	ALL	1	San Andreas Continuation	CR SC 10	
645851	4074015	19116.16	123	313	0	ANNUAL	ALL	1	SouthSide School	CR SC 11	
642106	4078176	26291.74	91	91	0	ANNUAL	ALL	1	School 12	CR SC 12	
646059	4078443	81410.83	128.52	128.52	0	ANNUAL	ALL	1	Rancho Santana School	CR_SC_13	School 1
647269	4075575	56794.67	158	158	0	ANNUAL	ALL	1	Future School	CR SC 14	
648466	4074106	43694.12	159	240	0	ANNUAL	ALL	1	Tres Pinos Union Elementary School	CR SC 15	
644110	4078389	44597.88	98.2	98.2	0	ANNUAL	ALL	1	Sunnyslope Elem School	CR SC 2	
643920	4077304	28426.38	101.23	101.23	0	ANNUAL	ALL	1	Hollister Montessori School	CR SC 3	
642961	4078621	32137.82	92	92	0	ANNUAL	ALL	1	Rancho San Justo Middle School	CR SC 4	
643980	4079743	34242.75	88	88	0	ANNUAL	ALL	1	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	24052.81	85	85	0	ANNUAL	ALL	1	Hollister Prep Schoo	CR SC 6	
643350	4077181	26897.79	98.22	98.22	0	ANNUAL	ALL	1	Ladd Lane Elementary School	CR SC 7	
644003	4080079	32438.49	87	87	0	ANNUAL	ALL	1	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	31539.48	90.17	90.17	0	ANNUAL	ALL	1	San Benito High School	CR_SC_9	
642083	4079794	27014.09	87.58	127	0	ANNUAL	ALL	1	Jovenes De Antano	CR_SR_1	
646402	4076879	79685.94	146.33	153	0	ANNUAL	ALL	1	Workplace	CR_WP_1	
648949	4077938	297458.79	189.45	259	0	ANNUAL	ALL	1	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	123014.53	155.2	155.2	0	ANNUAL	ALL	1	Grid Receptor 1	G1	
647744	4075573	76768.28	160	160	0	ANNUAL	ALL	1	Grid Receptor 10	G10	
648144	4079173	106391.95	165.9	165.9	0	ANNUAL	ALL	1	Grid Receptor 11	G11	
648144	4078773	158740.25	159.6	159.6	0	ANNUAL	ALL	1	Grid Receptor 12	G12	
648144	4078373	234588.95	146.2	146.2	0	ANNUAL	ALL	1	Grid Receptor 13	G13	
648144	4077973	293915.60	158.3	181	0	ANNUAL	ALL	1	Grid Receptor 14	G14	
648144	4077573	335625.72	166.6	179	0	ANNUAL	ALL	1	Grid Receptor 15	G15	
648144	4077173	426872.31	175.4	175.4	0	ANNUAL	ALL	1	Grid Receptor 16	G16	
648144	4076773	315485.04	177.1	240	0	ANNUAL	ALL	1	Grid Receptor 17	G17	
648144	4076373	197258.14	178	240	0	ANNUAL	ALL	1	Grid Receptor 18	G18	
648144	4075973	122247.06	173	240	0	ANNUAL	ALL	1	Grid Receptor 19	G19	
647744	4078773	165330.34	145.4	145.4	0	ANNUAL	ALL	1	Grid Receptor 2	G2	
648144	4075573	84670.11	168.8	190	0	ANNUAL	ALL	1	Grid Receptor 20	G20	

* AERMET (21112): 2018

14:16:57

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		5(1A,F15.5),5(1A,F6.2),					CPP			10
* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648544	4079173	78828.32	173.5	191	0	ANNUAL	ALL	1	Grid Receptor 21	G21
648544	4078773	121653.03	166.2	166.2	0	ANNUAL	ALL	1	Grid Receptor 22	G22
648544	4078373	207600.00	145.4	253	0	ANNUAL	ALL	1	Grid Receptor 23	G23
648544	4077973	367512.49	173.9	214	0	ANNUAL	ALL	1	Grid Receptor 24	G24
648544	4077573	528246.81	179.6	227	0	ANNUAL	ALL	1	Grid Receptor 25	G25
648544	4077173	694607.42	191	226	0	ANNUAL	ALL	1	Grid Receptor 26	G26
648544	4076773	625481.75	209.2	240	0	ANNUAL	ALL	1	Grid Receptor 27	G27
648544	4076373	396903.24	233.7	240	0	ANNUAL	ALL	1	Grid Receptor 28	G28
648544	4075973	169885.80	199.9	240	0	ANNUAL	ALL	1	Grid Receptor 29	G29
647744	4078373	190972.25	144.4	144.4	0	ANNUAL	ALL	1	Grid Receptor 3	G3
648544	4075573	101088.38	195.5	227	0	ANNUAL	ALL	1	Grid Receptor 30	G30
648944	4079173	67732.07	190.4	194	0	ANNUAL	ALL	1	Grid Receptor 31	G31
648944	4078773	90618.63	165.4	165.4	0	ANNUAL	ALL	1	Grid Receptor 32	G32
648944	4078373	141203.94	159.6	259	0	ANNUAL	ALL	1	Grid Receptor 33	G33
648944	4077973	278370.44	183.5	259	0	ANNUAL	ALL	1	Grid Receptor 34	G34
648944	4077573	816973.77	224	226	0	ANNUAL	ALL	1	Grid Receptor 35	G35
648944	4076373	527680.74	205	240	0	ANNUAL	ALL	1	Grid Receptor 38	G38
648944	4075973	237178.96	208.8	220	0	ANNUAL	ALL	1	Grid Receptor 39	G39
647744	4077973	207481.45	134.6	181	0	ANNUAL	ALL	1	Grid Receptor 4	G4
648944	4075573	148516.14	185.6	300	0	ANNUAL	ALL	1	Grid Receptor 40	G40
649344	4079173	62628.19	187.4	801	0	ANNUAL	ALL	1	Grid Receptor 41	G41
649344	4078773	81599.85	160.9	813	0	ANNUAL	ALL	1	Grid Receptor 42	G42
649344	4078373	122518.66	200.5	221	0	ANNUAL	ALL	1	Grid Receptor 43	G43
649344	4077973	249397.00	229	253	0	ANNUAL	ALL	1	Grid Receptor 44	G44
649344	4077573	301898.13	253.3	259	0	ANNUAL	ALL	1	Grid Receptor 45	G45
649344	4076373	1758111.37	220.2	263	0	ANNUAL	ALL	1	Grid Receptor 48	G48
649344	4075973	648779.38	227.2	227.2	0	ANNUAL	ALL	1	Grid Receptor 49	G49
647744	4077573	249484.03	163.8	171	0	ANNUAL	ALL	1	Grid Receptor 5	G5
649344	4075573	288936.51	205.5	300	0	ANNUAL	ALL	1	Grid Receptor 50	G50
649744	4079173	52458.78	176.1	830	0	ANNUAL	ALL	1	Grid Receptor 51	G51
649744	4078773	71719.37	195	813	0	ANNUAL	ALL	1	Grid Receptor 52	G52
649744	4078373	98877.00	196.1	227	0	ANNUAL	ALL	1	Grid Receptor 53	G53
649744	4077973	172602.45	215.3	251	0	ANNUAL	ALL	1	Grid Receptor 54	G54
649744	4077573	324076.46	221.6	259	0	ANNUAL	ALL	1	Grid Receptor 55	G55
649744	4076373	5342052.02	211.7	266	0	ANNUAL	ALL	1	Grid Receptor 58	G58
649744	4075973	1388284.52	237.7	257	0	ANNUAL	ALL	1	Grid Receptor 59	G59
647744	4077173	274129.53	158.4	171	0	ANNUAL	ALL	1	Grid Receptor 6	G6
649744	4077173	501652.53	204.2	300	0	ANNUAL	ALL	1	Grid Receptor 60	G60
		48006.71			0	ANNUAL		1		G61
650144	4079173		173	830			ALL	•	Grid Receptor 61	
650144	4078773	61146.07	171	830	0	ANNUAL	ALL	1	Grid Receptor 62	G62

* AERMET (21112): 2018

14:16:57

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

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* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
650144	4078373	91091.90	204.6	813	0	ANNUAL	ALL	1	Grid Receptor 63	G63
650144	4077973	135916.76	216.5	290	0	ANNUAL	ALL	1	Grid Receptor 64	G64
650144	4077573	131147.15	257.7	257.7	0	ANNUAL	ALL	1	Grid Receptor 65	G65
650144	4076373	2337538.99	231.4	272	0	ANNUAL	ALL	1	Grid Receptor 68	G68
650144	4075973	1097379.20	249.4	266	0	ANNUAL	ALL	1	Grid Receptor 69	G69
647744	4076773	197621.11	164.7	164.7	0	ANNUAL	ALL	1	Grid Receptor 7	G7
650144	4075573	603463.19	216.4	300	0	ANNUAL	ALL	1	Grid Receptor 70	G70
650544	4079173	44141.91	177	830	0	ANNUAL	ALL	1	Grid Receptor 71	G71
650544	4078773	51399.73	180.9	830	0	ANNUAL	ALL	1	Grid Receptor 72	G72
650544	4078373	66195.80	196.6	830	0	ANNUAL	ALL	1	Grid Receptor 73	G73
650544	4077973	120069.37	236.9	801	0	ANNUAL	ALL	1	Grid Receptor 74	G74
650544	4077573	114265.45	261.3	287	0	ANNUAL	ALL	1	Grid Receptor 75	G75
650544	4076373	514796.25	260.9	260.9	0	ANNUAL	ALL	1	Grid Receptor 78	G78
650544	4075973	810831.44	226.7	287	0	ANNUAL	ALL	1	Grid Receptor 79	G79
647744	4076373	151258.77	164	164	0	ANNUAL	ALL	1	Grid Receptor 8	G8
650544	4075573	339317.26	268.2	287	0	ANNUAL	ALL	1	Grid Receptor 80	G80
650944	4079173	34929.05	181.3	830	0	ANNUAL	ALL	1	Grid Receptor 81	G81
650944	4078773	40569.03	178.4	830	0	ANNUAL	ALL	1	Grid Receptor 82	G82
650944	4078373	69579.95	214.8	830	0	ANNUAL	ALL	1	Grid Receptor 83	G83
650944	4077973	109593.33	249.9	813	0	ANNUAL	ALL	1	Grid Receptor 84	G84
650944	4077573	59526.76	276.5	296	0	ANNUAL	ALL	1	Grid Receptor 85	G85
650944	4077173	243430.73	225.6	296	0	ANNUAL	ALL	1	Grid Receptor 86	G86
650944	4076773	389505.51	219.8	267	0	ANNUAL	ALL	1	Grid Receptor 87	G87
650944	4076373	421329.16	209.2	273	0	ANNUAL	ALL	1	Grid Receptor 88	G88
650944	4075973	476656.63	216.6	287	0	ANNUAL	ALL	1	Grid Receptor 89	G89
647744	4075973	84125.55	160.7	160.7	0	ANNUAL	ALL	1	Grid Receptor 9	G9
650944	4075573	418673.05	243.2	289	0	ANNUAL	ALL	1	Grid Receptor 90	G90
651344	4079173	31693.05	191	830	0	ANNUAL	ALL	1	Grid Receptor 91	G91
651344	4078773	41285.12	181	830	0	ANNUAL	ALL	1	Grid Receptor 92	G92
651344	4078373	74211.41	214.3	830	0	ANNUAL	ALL	1	Grid Receptor 93	G93
651344	4077973	97807.39	248.4	826	0	ANNUAL	ALL	1	Grid Receptor 94	G94
651344	4077573	111754.32	213.2	826	0	ANNUAL	ALL	1	Grid Receptor 95	G95
648584	4077523	571635.99	183.61	227	0	ANNUAL	ALL	1	Boundary Perimeter 1	P1
649484	4077537	253363.00	254.01	257	0	ANNUAL	ALL	1	Boundary Perimeter 10	P10
649584	4077539	448033.42	235.3	259	0	ANNUAL	ALL	1	Boundary Perimeter 11	P11
649684	4077540	363026.29	221.29	259	0	ANNUAL	ALL	1	Boundary Perimeter 12	P12
649784	4077541	331363.85	222.37	260	0	ANNUAL	ALL	1	Boundary Perimeter 13	P13
649884	4077542	327086.64	233.6	259	0	ANNUAL	ALL	1	Boundary Perimeter 14	P14
649984	4077543	221184.45	249.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 15	P15
650084	4077546	127814.69	258.89	258.89	0	ANNUAL	ALL	1	Boundary Perimeter 16	P16

* AERMOD (19191): Appendix B Attachment - Existing Peak Fugitive Emissions

14:16:57

* AERMET (21112): 2018

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* FORN	/IA1: (A,1X,	3(1X,F13.5),3(1X,F8.2),	,2X,A6,2X,A	18,22,18.8,2	X,A8)						
* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
650184	4077548	122889.12	259.56	259.56	0	ANNUAL	ALL	1	Boundary Perimeter 17	P17	
650284	4077550	144563.97	256.77	266	0	ANNUAL	ALL	1	Boundary Perimeter 18	P18	
650384	4077552	230572.76	242.37	290	0	ANNUAL	ALL	1	Boundary Perimeter 19	P19	
648684	4077525	648641.39	197.16	227	0	ANNUAL	ALL	1	Boundary Perimeter 2	P2	
650484	4077554	224437.03	242.23	296	0	ANNUAL	ALL	1	Boundary Perimeter 20	P20	
650584	4077557	125998.54	259.71	290	0	ANNUAL	ALL	1	Boundary Perimeter 21	P21	
650684	4077559	136548.29	257.58	296	0	ANNUAL	ALL	1	Boundary Perimeter 22	P22	
650777	4077554	85553.03	267.9	296	0	ANNUAL	ALL	1	Boundary Perimeter 23	P23	
650779	4077454	70777.38	275.91	275.91	0	ANNUAL	ALL	1	Boundary Perimeter 24	P24	
650781	4077354	109776.85	265.73	281	0	ANNUAL	ALL	1	Boundary Perimeter 25	P25	7
650783	4077254	205443.27	251.08	282	0	ANNUAL	ALL	1	Boundary Perimeter 26	P26	
650785	4077154	230321.24	252.83	281	0	ANNUAL	ALL	1	Boundary Perimeter 27	P27	7
650787	4077054	321892.86	246.1	269	0	ANNUAL	ALL	1	Boundary Perimeter 28	P28	
650789	4076954	394823.99	241.37	269	0	ANNUAL	ALL	1	Boundary Perimeter 29	P29	
648784	4077527	740388.65	209.74	209.74	0	ANNUAL	ALL	1	Boundary Perimeter 3	P3	
650791	4076854	419834.65	246.79	251	0	ANNUAL	ALL	1	Boundary Perimeter 30	P30	7
650794	4076754	504002.60	228.75	264	0	ANNUAL	ALL	1	Boundary Perimeter 31	P31	
650754	4076683	513257.43	217.76	271	0	ANNUAL	ALL	1	Boundary Perimeter 32	P32	7
650660	4076650	619442.80	221.2	273	0	ANNUAL	ALL	1	Boundary Perimeter 33	P33	
650561	4076650	724507.37	220.83	273	0	ANNUAL	ALL	1	Boundary Perimeter 34	P34	
650463	4076666	879358.30	223.42	273	0	ANNUAL	ALL	1	Boundary Perimeter 35	P35	
650364	4076682	1036108.67	222.46	263	0	ANNUAL	ALL	1	Boundary Perimeter 36	P36	7
650264	4076683	1297394.60	223.19	263	0	ANNUAL	ALL	1	Boundary Perimeter 37	P37	
650165	4076674	1677418.52	222.1	249	0	ANNUAL	ALL	1	Boundary Perimeter 38	P38	7
650066	4076660	2216093.53	217.03	264	0	ANNUAL	ALL	1	Boundary Perimeter 39	P39	
648884	4077529	796074.96	214.25	227	0	ANNUAL	ALL	1	Boundary Perimeter 4	P4	
649980	4076627	3326659.90	214.82	264	0	ANNUAL	ALL	1	Boundary Perimeter 40	P40	
649920	4076547	5380063.71	214.91	264	0	ANNUAL	ALL	1	Boundary Perimeter 41	P41	7
649852	4076474	7152415.86	214.09	266	0	ANNUAL	ALL	1	Boundary Perimeter 42	P42	PN
649771	4076417	6666175.53	211.53	266	0	ANNUAL	ALL	1	Boundary Perimeter 43	P43	
649680	4076375	5694777.24	210.17	266	0	ANNUAL	ALL	1	Boundary Perimeter 44	P44	
649581	4076368	4589409.45	208.52	264	0	ANNUAL	ALL	1	Boundary Perimeter 45	P45	
649482	4076384	3509823.27	207.5	264	0	ANNUAL	ALL	1	Boundary Perimeter 46	P46	
649392	4076425	3177013.47	205.17	264	0	ANNUAL	ALL	1	Boundary Perimeter 47	P47	
649304	4076472	2565089.35	202.16	264	0	ANNUAL	ALL	1	Boundary Perimeter 48	P48	
649226	4076535	2423139.31	196.38	264	0	ANNUAL	ALL	1	Boundary Perimeter 49	P49	
648984	4077530	847586.48	221.41	221.41	0	ANNUAL	ALL	1	Boundary Perimeter 5	P5	
649156	4076605	2401533.81	195.87	264	0	ANNUAL	ALL	1	Boundary Perimeter 50	P50	
649068	4076653	1895103.81	196.32	264	0	ANNUAL	ALL	1	Boundary Perimeter 51	P51	
648987	4076711	1614792.57	192.42	263	0	ANNUAL	ALL	1	Boundary Perimeter 52	P52	1

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* AERMET (21112): 2018

14:16:57

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648937	4076759	1502583.37	192.46	250	0	ANNUAL	ALL	1	Boundary Perimeter 53	P53
648869	4076833	1346249.01	191.63	250	0	ANNUAL	ALL	1	Boundary Perimeter 54	P54
648797	4076902	1158180.56	186.32	250	0	ANNUAL	ALL	1	Boundary Perimeter 55	P55
648711	4076952	968103.22	179.81	250	0	ANNUAL	ALL	1	Boundary Perimeter 56	P56
648621	4076996	819141.59	176.23	250	0	ANNUAL	ALL	1	Boundary Perimeter 57	P57
648607	4077051	800321.24	175.02	250	0	ANNUAL	ALL	1	Boundary Perimeter 58	P58
648680	4077119	886068.37	180.62	250	0	ANNUAL	ALL	1	Boundary Perimeter 59	P59
649084	4077532	723316.05	216.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 6	P6
648759	4077180	961792.09	183.47	259	0	ANNUAL	ALL	1	Boundary Perimeter 60	P60
648791	4077262	953317.63	202.88	245	0	ANNUAL	ALL	1	Boundary Perimeter 61	P61
648788	4077362	843887.56	178.21	259	0	ANNUAL	ALL	1	Boundary Perimeter 62	P62
648691	4077361	734615.13	176.25	259	0	ANNUAL	ALL	1	Boundary Perimeter 63	P63
648591	4077357	636495.42	176	259	0	ANNUAL	ALL	1	Boundary Perimeter 64	P64
648526	4077371	576267.46	175.24	245	0	ANNUAL	ALL	1	Boundary Perimeter 65	P65
648587	4077430	603122.82	175.13	259	0	ANNUAL	ALL	1	Boundary Perimeter 66	P66
649184	4077534	748100.34	230.71	259	0	ANNUAL	ALL	1	Boundary Perimeter 7	P7
649284	4077535	485384.44	248.08	259	0	ANNUAL	ALL	1	Boundary Perimeter 8	P8
649384	4077536	217320.81	258.43	258.43	0	ANNUAL	ALL	1	Boundary Perimeter 9	P9
645930	4077983	88528.16	127.38	127.38	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4077983	92792.31	131.21	131.21	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4077983	97264.12	135.89	135.89	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4077983	101848.28	139.18	139.18	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4077983	106457.25	140.76	140.76	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4077983	111120.94	143.89	143.89	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4077983	115650.98	145.22	145.22	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4077983	120107.16	147.21	147.21	0	ANNUAL	ALL	1	New Development	RP_G1
646730	4077983	124455.40	148.3	160	0	ANNUAL	ALL	1	New Development	RP_G1
645930	4078083	88480.42	127.58	127.58	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4078083	92250.38	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4078083	96091.32	134.35	134.35	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4078083	99968.95	139.22	139.22	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4078083	103834.22	144.65	144.65	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4078083	107310.38	142.28	142.28	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4078083	110949.33	146.76	146.76	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4078083	114541.17	150.64	150.64	0	ANNUAL	ALL	1	New Development	RP_G1
646730	4078083	118226.98	155.4	157	0	ANNUAL	ALL	1	New Development	RP_G1
645930	4078183	87194.12	127.22	127.22	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4078183	90393.61	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4078183	93533.72	133.89	133.89	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4078183	96668.59	140.45	140.45	0	ANNUAL	ALL	1	New Development	RP_G1

* AERMOD (19191): Appendix B Attachment - Existing Peak Fugitive Emissions * AERMET (21112): 2018

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 289 RECEPTORS.

FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

	MA1: (A,1X,.	3(1X,F13.5),3(1X,F8.2),									
* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
646330	4078183	99744.11	146.94	146.94	0	ANNUAL	ALL	1	New Development	RP_G1	
646430	4078183	102251.07	140.23	140.23	0	ANNUAL	ALL	1	New Development	RP_G1	
646530	4078183	105251.82	147.25	147.25	0	ANNUAL	ALL	1	New Development	RP_G1	
646630	4078183	108260.44	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP G1	
646730	4078183	111654.06	157.78	166	0	ANNUAL	ALL	1	New Development	RP G1	
645930	4078283	84873.77	126.06	126.06	0	ANNUAL	ALL	1	New Development	RP G1	
646030	4078283	87401.20	129.56	129.56	0	ANNUAL	ALL	1	New Development	RP G1	
646130	4078283	89807.85	132.89	132.89	0	ANNUAL	ALL	1	New Development	RP_G1	
646230	4078283	92229.49	139.24	139.24	0	ANNUAL	ALL	1	New Development	RP G1	
646330	4078283	94576.08	142.68	142.68	0	ANNUAL	ALL	1	New Development	RP_G1	
646430	4078283	96766.81	140.02	140.02	0	ANNUAL	ALL	1	New Development	RP_G1	
646530	4078283	99428.06	147.22	147.22	0	ANNUAL	ALL	1	New Development	RP_G1	
646630	4078283	102369.89	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP_G1	
646730	4078283	106077.99	156.78	166	0	ANNUAL	ALL	1	New Development	RP_G1	
648659	4077241	795575.57	205.79	205.79	0	ANNUAL	ALL	1	House 1	RP_H1	MEII
648071	4076116	125612.47	169.6	240	0	ANNUAL	ALL	1	House 10	RP_H10	
648247	4076278	182684.55	184.55	240	0	ANNUAL	ALL	1	House 11	RP_H11	
648027	4076255	146180.44	169.38	240	0	ANNUAL	ALL	1	House 12	RP_H12	
648066	4076359	181120.17	173.83	240	0	ANNUAL	ALL	1	House 13	RP_H13	
648139	4076400	206028.90	178.22	240	0	ANNUAL	ALL	1	House 14	RP_H14	
648255	4076411	233292.37	191.28	240	0	ANNUAL	ALL	1	House 15	RP_H15	
647878	4076365	161800.77	165.39	240	0	ANNUAL	ALL	1	House 16	RP_H16	
647520	4076206	101844.69	159	159	0	ANNUAL	ALL	1	House 17	RP_H17	
647921	4076247	133934.63	164	240	0	ANNUAL	ALL	1	House 18	RP_H18	
647709	4076352	143535.18	163.52	163.52	0	ANNUAL	ALL	1	House 19	RP_H19	
648372	4075470	79947.46	173.69	227	0	ANNUAL	ALL	1	House 2	RP_H2	
647704	4076251	119432.75	162.17	162.17	0	ANNUAL	ALL	1	House 20	RP_H20	
647719	4076104	95798.91	159.35	159.35	0	ANNUAL	ALL	1	House 21	RP_H21	
647843	4076125	106459.25	163	234	0	ANNUAL	ALL	1	House 22	RP_H22	
647842	4076500	187091.44	167.93	167.93	0	ANNUAL	ALL	1	House 23	RP_H23	
647728	4076644	187800.95	164.15	164.15	0	ANNUAL	ALL	1	House 24	RP_H24	
647824	4076644	204808.91	168.29	168.29	0	ANNUAL	ALL	1	House 25	RP_H25	
647530	4076497	144877.66	159.56	159.56	0	ANNUAL	ALL	1	House 26	RP_H26	
647810	4076854	224336.10	162.9	162.9	0	ANNUAL	ALL	1	House 27	RP_H27	
647697	4076989	229715.30	161.42	162	0	ANNUAL	ALL	1	House 28	RP_H28	
648226	4076182	156445.71	183.22	240	0	ANNUAL	ALL	1	House 29	RP_H29	
647678	4075969	79855.17	159.5	159.5	0	ANNUAL	ALL	1	House 3	RP_H3	
645876	4077487	84561.02	127.13	142	0	ANNUAL	ALL	1	House 30	RP_H30	
650902	4076062	500257.16	215.24	287	0	ANNUAL	ALL	1	House 31	RP_H31	
651490	4076597	213249.80	205.5	813	0	ANNUAL	ALL	1	House 32	RP_H32	

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* AERMET (21112): 2018

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* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC			ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
651565	4077067	182148.86	213.93	813	0	ANNUAL	ALL	1	House 33	RP H33
648673	4075307	116070.19	225.91	227	0	ANNUAL	ALL	1	House 34	RP H34
648384	4075469	80616.58	174.44	227	0	ANNUAL	ALL	1	House 35	RP H35
646379	4077233	91333.62	146	146	0	ANNUAL	ALL	1	House 36	RP H36
651850	4075865	192564.61	201.97	333	0	ANNUAL	ALL	1	House 37	RP H37
652045	4076210	153866.08	196.88	813	0	ANNUAL	ALL	1	House 38	RP H38
652256	4076391	127440.57	197.06	813	0	ANNUAL	ALL	1	House 39	RP H39
647815	4075985	89909.91	162.04	162.04	0	ANNUAL	ALL	1	House 4	RP H4
646854	4077373	144104.40	145.99	145.99	0	ANNUAL	ALL	1	House 40	RP H40
647050	4077360	164805.94	145	145	0	ANNUAL	ALL	1	House 41	RP H41
647286	4077474	194636.20	149.68	153	0	ANNUAL	ALL	1	House 42	RP H42
647359	4077340	207659.37	154.45	159	0	ANNUAL	ALL	1	House 43	RP H43
647490	4077329	230761.26	162.28	162.28	0	ANNUAL	ALL	1	House 44	RP H44
647522	4077252	231506.76	164.3	164.3	0	ANNUAL	ALL	1	House 45	RP H45
647518	4077139	213829.80	164.01	164.01	0	ANNUAL	ALL	1	House 46	RP H46
646819	4077258	130299.63	151.53	152	0	ANNUAL	ALL	1	House 47	RP H47
646779	4077128	111592.21	158.51	158.51	0	ANNUAL	ALL	1	House 48	RP H48
646987	4077213	142707.80	146.44	146.44	0	ANNUAL	ALL	1	House 49	RP_H49
647898	4076033	99839.68	163.83	237	0	ANNUAL	ALL	1	House 5	RP_H5
647242	4077227	177482.37	154.85	154.85	0	ANNUAL	ALL	1	House 50	RP_H50
646773	4077063	104293.32	159	159	0	ANNUAL	ALL	1	House 51	RP_H51
647104	4077118	145136.16	148.99	148.99	0	ANNUAL	ALL	1	House 52	RP_H52
647292	4077123	171752.35	158.62	158.62	0	ANNUAL	ALL	1	House 53	RP_H53
646765	4076978	98585.55	158.67	158.67	0	ANNUAL	ALL	1	House 54	RP_H54
646996	4076984	116788.37	152.34	152.34	0	ANNUAL	ALL	1	House 55	RP_H55
647317	4077031	162852.77	160.22	160.22	0	ANNUAL	ALL	1	House 56	RP_H56
647398	4077013	173118.68	161.26	161.26	0	ANNUAL	ALL	1	House 57	RP_H57
646979	4076904	110782.68	156.81	156.81	0	ANNUAL	ALL	1	House 58	RP_H58
647015	4076807	111821.29	156.21	156.21	0	ANNUAL	ALL	1	House 59	RP_H59
648045	4076018	113222.11	168.26	240	0	ANNUAL	ALL	1	House 6	RP_H6
647164	4076802	123243.77	154.38	154.38	0	ANNUAL	ALL	1	House 60	RP_H60
647311	4076940	147610.56	162.49	162.49	0	ANNUAL	ALL	1	House 61	RP_H61
647298	4076805	135643.73	158	158	0	ANNUAL	ALL	1	House 62	RP_H62
647447	4076900	160821.58	159.45	159.45	0	ANNUAL	ALL	1	House 63	RP_H63
647464	4076781	154206.45	159.32	159.32	0	ANNUAL	ALL	1	House 64	RP_H64
647512	4076536	146357.69	159	159	0	ANNUAL	ALL	1	House 65	RP_H65
651131	4078767	40055.61	179.58	830	0	ANNUAL	ALL	1	House 66	RP_H66
647131	4077336	173362.22	146.77	146.77	0	ANNUAL	ALL	1	House 67	RP_H67
646798	4076740	97852.63	156.07	156.07	0	ANNUAL	ALL	1	House 68	RP_H68
646900	4076802	104258.10	159	159	0	ANNUAL	ALL	1	House 69	RP_H69

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*	X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648	3126	4075955	119492.84	171.51	240	0	ANNUAL	ALL	1	House 7	RP_H7
647	7317	4076662	136673.07	159.9	159.9	0	ANNUAL	ALL	1	House 70	RP_H70
648	3249	4075970	134585.36	183.42	240	0	ANNUAL	ALL	1	House 8	RP_H8
648	3219	4076109	143293.85	182.28	240	0	ANNUAL	ALL	1	House 9	RP_H9
651	1344	4075573	275191.02	252.9	252.9	0	ANNUAL	ALL	1	Grid Receptor 100	G100
651	1344	4075973	297831.25	205.8	269	0	ANNUAL	ALL	1	Grid Receptor 99	G99
651	1344	4076373	266387.55	205.6	220	0	ANNUAL	ALL	1	Grid Receptor 98	G98
651	1344	4076773	231172.42	203.5	813	0	ANNUAL	ALL	1	Grid Receptor 97	G97
651	1344	4077173	174959.93	213.6	813	0	ANNUAL	ALL	1	Grid Receptor 96	G96

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in µg/m3.

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U*
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		X,F13.5),3(1X,F8.2),2X,								
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
645996.00	4078698.00	60261.10	123.85	123.85	0	ANNUAL	ALL	1	AQ Monitoring Station	AQ_ST_1
643903.65	4077719.38	10977.23	105.68	105.68	0	ANNUAL	ALL	1	Hazel Hawkins Memorial Hospital	CR_HP_1
642056.78	4079415.69	12941.27	85.12	85.12	0	ANNUAL	ALL	1	Dunne Park	CR_PK_1
642179.10	4079949.51	15912.73	117.99	117.99	0	ANNUAL	ALL	1	Vista Park Hill Park	CR_PK_2
644733.14	4078752.70	30636.99	106.44	106.44	0	ANNUAL	ALL	1	Las Brisas Park	CR_PK_3
645608.81	4078854.28	50417.89	112.86	112.86	0	ANNUAL	ALL	1	Frank Klauer Memorial Park	CR_PK_4
644238.05	4078806.98	24324.20	95.25	95.25	0	ANNUAL	ALL	1	Veterans Memorial Park	CR_PK_5
645311.48	4076559.00	14754.57	134.61	134.61	0	ANNUAL	ALL	1	Park 6	CR_PK_6
649581.69	4073424.46	60621.90	159.96	318	0	ANNUAL	ALL	1	Park 7	CR PK 7
645145.11	4077180.55	15053.57	133	133	0	ANNUAL	ALL	1	Cerra Vista Elem School	CR SC 1
642904.71	4079954.53	21541.43	86	86	0	ANNUAL	ALL	1	San Andreas Continuation	CR SC 10
645850.68	4074014.90	13412.96	123	313	0	ANNUAL	ALL	1	SouthSide School	CR SC 11
642105.68	4078176.21	8827.42	91	91	0	ANNUAL	ALL	1	School 12	CR SC 12
646058.93	4078443.20	59757.50	128.52	128.52	0	ANNUAL	ALL	1	Rancho Santana School	CR SC 13 Scho
647269.00	4075575.00	37096.91	158	158	0	ANNUAL	ALL	1	Future School	CR SC 14 Scho
648466.00	4074106.00	42872.69	159	240	0	ANNUAL	ALL	1	Tres Pinos Union Elementary School	CR SC 15
644109.60	4078388.69	19312.28	98.2	98.2	0	ANNUAL	ALL	1	Sunnyslope Elem School	CR SC 2
643920.12	4077304.04	10305.98	101.23	101.23	0	ANNUAL	ALL	1	Hollister Montessori School	CR SC 3
642961.07	4078620.83	14152.17	92	92	0	ANNUAL	ALL	1	Rancho San Justo Middle School	CR SC 4
643980.02	4079743.02	28254.47	88	88	0	ANNUAL	ALL	1	Marguerite Maze Middle School	CR SC 5
641630.17	4079153.00	10071.68	85	85	0	ANNUAL	ALL	1	Hollister Prep Schoo	CR SC 6
643350.03	4077181.17	10261.15	98.22	98.22	0	ANNUAL	ALL	1	Ladd Lane Elementary School	CR SC 7
644002.96	4080078.78	29711.59	87	87	0	ANNUAL	ALL	1	Gabilan Hills Elementary School	CR SC 8
642244.86	4078412.70	12060.26	90.17	90.17	0	ANNUAL	ALL	1	San Benito High School	CR SC 9
642083.45	4079793.65	14197.31	87.58	127	0	ANNUAL	ALL	1	Jovenes De Antano	CR SR 1
646402.00	4076879.07	25105.73	146.33	153	0	ANNUAL	ALL	1	Workplace	CR WP 1
648949.00	4077938.00	413612.62	189.45	259	0	ANNUAL	ALL	1	Nearest Workplace	CR WP 2 MEI
647744.00	4079173.00	152008.92	155.2	155.2	0	ANNUAL	ALL	1	Grid Receptor 1	Gl
647744.00	4075573.00	43893.07	160	160	0	ANNUAL	ALL	1	Grid Receptor 10	G10
651344.00	4075573.00	245737.08	252.9	252.9	0	ANNUAL	ALL	1	Grid Receptor 100	G100
648144.00	4079173.00	143604.23	165.9	165.9	0	ANNUAL	ALL	1	Grid Receptor 11	G100
648144.00	4078773.00	201114.84	159.6	159.6	0	ANNUAL	ALL	1	Grid Receptor 12	G12
648144.00	4078373.00	273378.96	146.2	146.2	0	ANNUAL	ALL	1	Grid Receptor 13	G13
648144.00	4077973.00	335232.59	158.3	181	0	ANNUAL	ALL	1	Grid Receptor 14	G14
648144.00	4077573.00	296411.14	166.6	179	0	ANNUAL	ALL	1	Grid Receptor 15	G15
648144.00	4077373.00	208956.38	175.4	175.4	0	ANNUAL	ALL	1	Grid Receptor 16	G16
648144.00	4076773.00	103369.37	177.1	240	0	ANNUAL	ALL	1	Grid Receptor 17	G17
648144.00	4076773.00	107740.06	177.1	240	0	ANNUAL	ALL	1	•	G17
648144.00	4076373.00	79431.98	178	240	0	ANNUAL	ALL	1	Grid Receptor 18 Grid Receptor 19	G18
647744.00			145.4	145.4	0		ALL	<u> </u>	<u> </u>	G2
	4078773.00	187813.61		145.4	0	ANNUAL	ALL	1	Grid Receptor 2	
648144.00	4075573.00	69482.81	168.8	190	U	ANNUAL	ALL	1	Grid Receptor 20	G20

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* AERMET (21112): 2019

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648544.00	4079173.00	113727.67	173.5	191	0	ANNUAL	ALL	1	Grid Receptor 21	G21
648544.00	4078773.00	173435.68	166.2	166.2	0	ANNUAL	ALL	1	Grid Receptor 22	G22
648544.00	4078373.00	278063.57	145.4	253	0	ANNUAL	ALL	1	Grid Receptor 23	G23
648544.00	4077973.00	442769.44	173.9	214	0	ANNUAL	ALL	1	Grid Receptor 24	G24
648544.00	4077573.00	581016.71	179.6	227	0	ANNUAL	ALL	1	Grid Receptor 25	G25
648544.00	4077173.00	465135.95	191	226	0	ANNUAL	ALL	1	Grid Receptor 26	G26
648544.00	4076773.00	221570.51	209.2	240	0	ANNUAL	ALL	1	Grid Receptor 27	G27
648544.00	4076373.00	233622.23	233.7	240	0	ANNUAL	ALL	1	Grid Receptor 28	G28
648544.00	4075973.00	128845.62	199.9	240	0	ANNUAL	ALL	1	Grid Receptor 29	G29
647744.00	4078373.00	223449.02	144.4	144.4	0	ANNUAL	ALL	1	Grid Receptor 3	G3
648544.00	4075573.00	95884.64	195.5	227	0	ANNUAL	ALL	1	Grid Receptor 30	G30
648944.00	4079173.00	79859.01	190.4	194	0	ANNUAL	ALL	1	Grid Receptor 31	G31
648944.00	4078773.00	112003.30	165.4	165.4	0	ANNUAL	ALL	1	Grid Receptor 32	G32
648944.00	4078373.00	196458.72	159.6	259	0	ANNUAL	ALL	1	Grid Receptor 33	G33
648944.00	4077973.00	386116.41	183.5	259	0	ANNUAL	ALL	1	Grid Receptor 34	G34
648944.00	4077573.00	1041291.18	224	226	0	ANNUAL	ALL	1	Grid Receptor 35	G35
648944.00	4076373.00	366811.11	205	240	0	ANNUAL	ALL	1	Grid Receptor 38	G38
648944.00	4075973.00	221533.45	208.8	220	0	ANNUAL	ALL	1	Grid Receptor 39	G39
647744.00	4077973.00	201275.24	134.6	181	0	ANNUAL	ALL	1	Grid Receptor 4	G4
648944.00	4075573.00	138209.20	185.6	300	0	ANNUAL	ALL	1	Grid Receptor 40	G40
649344.00	4079173.00	56137.44	187.4	801	0	ANNUAL	ALL	1	Grid Receptor 41	G41
649344.00	4078773.00	73317.91	160.9	813	0	ANNUAL	ALL	1	Grid Receptor 42	G42
649344.00	4078373.00	119267.42	200.5	221	0	ANNUAL	ALL	1	Grid Receptor 43	G43
649344.00	4077973.00	258525.31	229	253	0	ANNUAL	ALL	1	Grid Receptor 44	G44
649344.00	4077573.00	399633.16	253.3	259	0	ANNUAL	ALL	1	Grid Receptor 45	G45
649344.00	4076373.00	1637242.13	220.2	263	0	ANNUAL	ALL	1	Grid Receptor 48	G48
649344.00	4075973.00	640555.03	227.2	227.2	0	ANNUAL	ALL	1	Grid Receptor 49	G49
647744.00	4077573.00	172528.71	163.8	171	0	ANNUAL	ALL	1	Grid Receptor 5	G5
649344.00	4075573.00	292648.31	205.5	300	0	ANNUAL	ALL	1	Grid Receptor 50	G50
649744.00	4079173.00	48539.14	176.1	830	0	ANNUAL	ALL	1	Grid Receptor 51	G51
649744.00	4078773.00	65028.04	195	813	0	ANNUAL	ALL	1	Grid Receptor 52	G52
649744.00	4078373.00	85363.99	196.1	227	0	ANNUAL	ALL	1	Grid Receptor 53	G53
649744.00	4077973.00	143641.47	215.3	251	0	ANNUAL	ALL	1	Grid Receptor 54	G54
649744.00	4077573.00	279383.86	221.6	259	0	ANNUAL	ALL	1	Grid Receptor 55	G55
649744.00	4076373.00	4983714.13	211.7	266	0	ANNUAL	ALL	1	Grid Receptor 58	G58
649744.00	4075973.00	1312233.25	237.7	257	0	ANNUAL	ALL	1	Grid Receptor 59	G59
647744.00	4077173.00	111407.43	158.4	171	0	ANNUAL	ALL	1	Grid Receptor 6	G6
649744.00	4075573.00	471772.39	204.2	300	0	ANNUAL	ALL	1	Grid Receptor 60	G60
650144.00	4079173.00	33177.03	173	830	0	ANNUAL	ALL	1	Grid Receptor 61	G61
650144.00	4078773.00	46006.74	171	830	0	ANNUAL	ALL	1	Grid Receptor 62	G62
650144.00	4078373.00	76132.40	204.6	813	0	ANNUAL	ALL	1	Grid Receptor 63	G63

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FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		X,F13.5),5(1X,F8.2),2X,				AXZES	CDD	NIIMANDO NETERO	D	ID
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
650144.00	4077973.00	113174.30	216.5	290	0	ANNUAL	ALL	1	Grid Receptor 64	G64
650144.00	4077573.00	89980.01	257.7	257.7	0	ANNUAL	ALL	1	Grid Receptor 65	G65
650144.00	4076373.00	2006272.27	231.4	272	0	ANNUAL	ALL	1	Grid Receptor 68	G68
650144.00	4075973.00	1027487.88	249.4	266	0	ANNUAL	ALL	1	Grid Receptor 69	G69
647744.00	4076773.00	64336.97	164.7	164.7	0	ANNUAL	ALL	1	Grid Receptor 7	G7
650144.00	4075573.00	572089.30	216.4	300	0	ANNUAL	ALL	1	Grid Receptor 70	G70
650544.00	4079173.00	40646.86	177	830	0	ANNUAL	ALL	1	Grid Receptor 71	G71
650544.00	4078773.00	49118.85	180.9	830	0	ANNUAL	ALL	1	Grid Receptor 72	G72
650544.00	4078373.00	51293.90	196.6	830	0	ANNUAL	ALL	1	Grid Receptor 73	G73
650544.00	4077973.00	67724.97	236.9	801	0	ANNUAL	ALL	1	Grid Receptor 74	G74
650544.00	4077573.00	55078.14	261.3	287	0	ANNUAL	ALL	1	Grid Receptor 75	G75
650544.00	4076373.00	463141.53	260.9	260.9	0	ANNUAL	ALL	1	Grid Receptor 78	G78
650544.00	4075973.00	725352.71	226.7	287	0	ANNUAL	ALL	1	Grid Receptor 79	G79
647744.00	4076373.00	71235.60	164	164	0	ANNUAL	ALL	1	Grid Receptor 8	G8
650544.00	4075573.00	325197.02	268.2	287	0	ANNUAL	ALL	1	Grid Receptor 80	G80
650944.00	4079173.00	29057.44	181.3	830	0	ANNUAL	ALL	1	Grid Receptor 81	G81
650944.00	4078773.00	25521.71	178.4	830	0	ANNUAL	ALL	1	Grid Receptor 82	G82
650944.00	4078373.00	36758.98	214.8	830	0	ANNUAL	ALL	1	Grid Receptor 83	G83
650944.00	4077973.00	49874.68	249.9	813	0	ANNUAL	ALL	1	Grid Receptor 84	G84
650944.00	4077573.00	30294.07	276.5	296	0	ANNUAL	ALL	1	Grid Receptor 85	G85
650944.00	4077173.00	140325.03	225.6	296	0	ANNUAL	ALL	1	Grid Receptor 86	G86
650944.00	4076773.00	248040.49	219.8	267	0	ANNUAL	ALL	1	Grid Receptor 87	G87
650944.00	4076373.00	337560.95	209.2	273	0	ANNUAL	ALL	1	Grid Receptor 88	G88
650944.00	4075973.00	396350.84	216.6	287	0	ANNUAL	ALL	1	Grid Receptor 89	G89
647744.00	4075973.00	63331.05	160.7	160.7	0	ANNUAL	ALL	1	Grid Receptor 9	G9
650944.00	4075573.00	379362.10	243.2	289	0	ANNUAL	ALL	1	Grid Receptor 90	G90
651344.00	4079173.00	17588.71	191	830	0	ANNUAL	ALL	1	Grid Receptor 91	G91
651344.00	4078773.00	21764.35	181	830	0	ANNUAL	ALL	1	Grid Receptor 92	G92
651344.00	4078373.00	34522.76	214.3	830	0	ANNUAL	ALL	1	Grid Receptor 93	G93
651344.00	4077973.00	43766.44	248.4	826	0	ANNUAL	ALL	1	Grid Receptor 94	G94
651344.00	4077573.00	66601.76	213.2	826	0	ANNUAL	ALL	1	Grid Receptor 95	G95
651344.00	4077173.00	100215.33	213.6	813	0	ANNUAL	ALL	1	Grid Receptor 96	G96
651344.00	4076773.00	151217.55	203.5	813	0	ANNUAL	ALL	1	Grid Receptor 97	G97
651344.00	4076373.00	209686.75	205.6	220	0	ANNUAL	ALL	1	Grid Receptor 98	G98
651344.00	4075973.00	236325.44	205.8	269	0	ANNUAL	ALL	1	Grid Receptor 99	G99
648584.24	4077523.07	623679.92	183.61	227	0	ANNUAL	ALL	1	Boundary Perimeter 1	P1
649484.05	4077537.42	277283.84	254.01	257	0	ANNUAL	ALL	1	Boundary Perimeter 10	P10
649584.03	4077538.59	391182.73	235.3	259	0	ANNUAL	ALL	1	Boundary Perimeter 11	P10
649584.03	4077539.76	391182.73	233.3	259	0	ANNUAL	ALL	1	Boundary Perimeter 11 Boundary Perimeter 12	P11
649784.00								-		
	4077540.93	278657.61	222.37	260	0	ANNUAL	ALL	<u>1</u> 1	Boundary Perimeter 13	P13
649883.99	4077542.10	255891.63	233.6	259	0	ANNUAL	ALL	1	Boundary Perimeter 14	P14

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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

	() /- (1,1 13.3),3(111,1 0.2),211,	-, , -,	,, ,	-,					
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
649983.97	4077543.45	168860.66	249.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 15	P15
650083.94	4077545.65	91857.07	258.89	258.89	0	ANNUAL	ALL	1	Boundary Perimeter 16	P16
650183.91	4077547.85	77350.45	259.56	259.56	0	ANNUAL	ALL	1	Boundary Perimeter 17	P17
650283.87	4077550.05	78350.24	256.77	266	0	ANNUAL	ALL	1	Boundary Perimeter 18	P18
650383.84	4077552.25	111611.41	242.37	290	0	ANNUAL	ALL	1	Boundary Perimeter 19	P19
648684.22	4077524.90	744022.10	197.16	227	0	ANNUAL	ALL	1	Boundary Perimeter 2	P2
650483.81	4077554.45	104527.96	242.23	296	0	ANNUAL	ALL	1	Boundary Perimeter 20	P20
650583.78	4077556.65	60502.67	259.71	290	0	ANNUAL	ALL	1	Boundary Perimeter 21	P21
650683.75	4077558.85	65399.06	257.58	296	0	ANNUAL	ALL	1	Boundary Perimeter 22	P22
650776.81	4077553.84	42404.89	267.9	296	0	ANNUAL	ALL	1	Boundary Perimeter 23	P23
650778.91	4077453.87	36668.57	275.91	275.91	0	ANNUAL	ALL	1	Boundary Perimeter 24	P24
650781.00	4077353.90	62371.77	265.73	281	0	ANNUAL	ALL	1	Boundary Perimeter 25	P25
650783.10	4077253.93	119431.06	251.08	282	0	ANNUAL	ALL	1	Boundary Perimeter 26	P26
650785.19	4077153.96	136047.35	252.83	281	0	ANNUAL	ALL	1	Boundary Perimeter 27	P27
650787.29	4077053.99	188879.49	246.1	269	0	ANNUAL	ALL	1	Boundary Perimeter 28	P28
650789.38	4076954.02	240329.25	241.37	269	0	ANNUAL	ALL	1	Boundary Perimeter 29	P29
648784.19	4077526.73	894764.89	209.74	209.74	0	ANNUAL	ALL	1	Boundary Perimeter 3	Р3
650791.48	4076854.05	257634.51	246.79	251	0	ANNUAL	ALL	1	Boundary Perimeter 30	P30
650793.57	4076754.08	320517.87	228.75	264	0	ANNUAL	ALL	1	Boundary Perimeter 31	P31
650754.39	4076683.11	349728.54	217.76	271	0	ANNUAL	ALL	1	Boundary Perimeter 32	P32
650660.22	4076649.50	434005.38	221.2	273	0	ANNUAL	ALL	1	Boundary Perimeter 33	P33
650561.43	4076649.99	509514.49	220.83	273	0	ANNUAL	ALL	1	Boundary Perimeter 34	P34
650462.72	4076665.95	609789.72	223.42	273	0	ANNUAL	ALL	1	Boundary Perimeter 35	P35
650364.01	4076681.90	714789.31	222.46	263	0	ANNUAL	ALL	1	Boundary Perimeter 36	P36
650264.24	4076683.08	902414.60	223.19	263	0	ANNUAL	ALL	1	Boundary Perimeter 37	P37
650164.71	4076674.46	1186607.17	222.1	249	0	ANNUAL	ALL	1	Boundary Perimeter 38	P38
650065.80	4076659.74	1611260.15	217.03	264	0	ANNUAL	ALL	1	Boundary Perimeter 39	P39
648884.17	4077528.55	1001717.17	214.25	227	0	ANNUAL	ALL	1	Boundary Perimeter 4	P4
649980.44	4076626.71	2518194.38	214.82	264	0	ANNUAL	ALL	1	Boundary Perimeter 40	P40
649920.26	4076547.41	4399150.38	214.91	264	0	ANNUAL	ALL	1	Boundary Perimeter 41	P41
649852.19	4076474.41	6351394.75	214.09	266	0	ANNUAL	ALL	1	Boundary Perimeter 42	P42
649770.68	4076416.80	6135518.89	211.53	266	0	ANNUAL	ALL	1	Boundary Perimeter 43	P43
649680.48	4076374.63	5378253.95	210.17	266	0	ANNUAL	ALL	1	Boundary Perimeter 44	P44
649580.91	4076368.30	4374116.71	208.52	264	0	ANNUAL	ALL	1	Boundary Perimeter 45	P45
649482.48	4076383.73	3286820.12	207.5	264	0	ANNUAL	ALL	1	Boundary Perimeter 46	P46
649391.59	4076425.15	2830876.07	205.17	264	0	ANNUAL	ALL	1	Boundary Perimeter 47	P47
649303.50	4076472.31	2044443.06	202.16	264	0	ANNUAL	ALL	1	Boundary Perimeter 48	P48
649226.19	4076535.29	1428692.95	196.38	264	0	ANNUAL	ALL	1	Boundary Perimeter 49	P49
648984.14	4077530.38	1093018.90	221.41	221.41	0	ANNUAL	ALL	1	Boundary Perimeter 5	P5
649156.20	4076605.17	1198501.86	195.87	264	0	ANNUAL	ALL	1	Boundary Perimeter 50	P50
	4076652.76	870299.95	196.32	264	0	ANNUAL	ALL	1	Boundary Perimeter 51	P51

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X 648986.70 648936.53	4076759.27	AVERAGE CONC 714107.85 664158.13	ZELEV 192.42	ZHILL 263	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
	4076759.27		192.42	263	0				TO 1 TO 1 #4	2.50	-
648936.53		664158 13		203	0	ANNUAL	ALL	1	Boundary Perimeter 52	P52	4
	4076832.50		192.46	250	0	ANNUAL	ALL	1	Boundary Perimeter 53	P53	1
648868.58		614115.04	191.63	250	0	ANNUAL	ALL	1	Boundary Perimeter 54	P54	1
648797.23		567142.40	186.32	250	0	ANNUAL	ALL	1	Boundary Perimeter 55	P55	1
648710.56	4076951.69	485176.08	179.81	250	0	ANNUAL	ALL	1	Boundary Perimeter 56	P56	1
648620.79	4076995.72	415905.34	176.23	250	0	ANNUAL	ALL	1	Boundary Perimeter 57	P57	1
648607.19	4077051.27	446553.77	175.02	250	0	ANNUAL	ALL	1	Boundary Perimeter 58	P58	
648680.07	4077119.49	611256.03	180.62	250	0	ANNUAL	ALL	1	Boundary Perimeter 59	P59	1
649084.12	4077532.21	969881.81	216.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 6	P6	
648759.24	4077180.33	822831.30	183.47	259	0	ANNUAL	ALL	1	Boundary Perimeter 60	P60]
648791.44	4077262.37	958120.20	202.88	245	0	ANNUAL	ALL	1	Boundary Perimeter 61	P61	
648788.45	4077362.32	917015.62	178.21	259	0	ANNUAL	ALL	1	Boundary Perimeter 62	P62	
648691.25		754596.27	176.25	259	0	ANNUAL	ALL	1	Boundary Perimeter 63	P63	
648591.35	4077356.85	609863.55	176	259	0	ANNUAL	ALL	1	Boundary Perimeter 64	P64	
648525.69	4077371.40	533520.45	175.24	245	0	ANNUAL	ALL	1	Boundary Perimeter 65	P65	
648586.93	4077430.21	619885.97	175.13	259	0	ANNUAL	ALL	1	Boundary Perimeter 66	P66	
649184.09		975196.66	230.71	259	0	ANNUAL	ALL	1	Boundary Perimeter 7	P7	
649284.08	4077535.08	639276.56	248.08	259	0	ANNUAL	ALL	1	Boundary Perimeter 8	P8	
649384.06		296818.27	258.43	258.43	0	ANNUAL	ALL	1	Boundary Perimeter 9	P9	
645930.00	4077982.60	41900.90	127.38	127.38	0	ANNUAL	ALL	1	New Development	RP_G1	6
646030.00	4077982.60	44847.69	131.21	131.21	0	ANNUAL	ALL	1	New Development	RP_G1	
646130.00		48240.59	135.89	135.89	0	ANNUAL	ALL	1	New Development	RP_G1	
646230.00	4077982.60	52145.24	139.18	139.18	0	ANNUAL	ALL	1	New Development	RP_G1	
646330.00	4077982.60	56608.81	140.76	140.76	0	ANNUAL	ALL	1	New Development	RP_G1	
646430.00	4077982.60	61706.46	143.89	143.89	0	ANNUAL	ALL	1	New Development	RP_G1	
646530.00		67307.47	145.22	145.22	0	ANNUAL	ALL	1	New Development	RP_G1	
646630.00	4077982.60	73384.04	147.21	147.21	0	ANNUAL	ALL	1	New Development	RP_G1	
646730.00		79835.50	148.3	160	0	ANNUAL	ALL	1	New Development	RP_G1	
645930.00		44494.21	127.58	127.58	0	ANNUAL	ALL	1	New Development	RP_G1	4
646030.00		47940.15	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP_G1	
646130.00	4078082.60	51869.70	134.35	134.35	0	ANNUAL	ALL	1	New Development	RP_G1	4
646230.00		56300.39	139.22	139.22	0	ANNUAL	ALL	1	New Development	RP_G1	
646330.00	4078082.60	61201.00	144.65	144.65	0	ANNUAL	ALL	1	New Development	RP_G1	
646430.00		66234.05	142.28	142.28	0	ANNUAL	ALL	1	New Development	RP_G1	
646530.00	4078082.60	71777.87	146.76	146.76	0	ANNUAL	ALL	1	New Development	RP_G1	
646630.00		77681.94	150.64	150.64	0	ANNUAL	ALL	1	New Development	RP_G1	
646730.00		84171.08	155.4	157	0	ANNUAL	ALL	1	New Development	RP_G1	1
645930.00		47726.26	127.22	127.22	0	ANNUAL	ALL	1	New Development	RP_G1	
646030.00	4078182.60	51533.77	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP_G1	
646130.00		55687.06	133.89	133.89	0	ANNUAL	ALL	1	New Development	RP_G1	
646230.00	4078182.60	60210.93	140.45	140.45	0	ANNUAL	ALL	1	New Development	RP_G1	

694857.05

* AERMOD (19191): Appendix B Attachment - Existing Peak Fugitive Emissions * AERMET (21112): 2019

14:16:57

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

1 OIGV	11111. (11,111,5(1	Λ , Γ 13.3), \Im (1 Λ , Γ 6.2), 2Λ ,	110,221,110,22	1,10.0,271,71	.0)					
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
646330.00	4078182.60	65042.23	146.94	146.94	0	ANNUAL	ALL	1	New Development	RP_G1
646430.00	4078182.60	69668.37	140.23	140.23	0	ANNUAL	ALL	1	New Development	RP G1
646530.00	4078182.60	75116.31	147.25	147.25	0	ANNUAL	ALL	1	New Development	RP G1
646630.00	4078182.60	80987.49	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP G1
646730.00	4078182.60	87561.61	157.78	166	0	ANNUAL	ALL	1	New Development	RP G1
645930.00	4078282.60	50988.81	126.06	126.06	0	ANNUAL	ALL	1	New Development	RP G1
646030.00	4078282.60	54834.88	129.56	129.56	0	ANNUAL	ALL	1	New Development	RP G1
646130.00	4078282.60	58878.26	132.89	132.89	0	ANNUAL	ALL	1	New Development	RP G1
646230.00	4078282.60	63201.11	139.24	139.24	0	ANNUAL	ALL	1	New Development	RP G1
646330.00	4078282.60	67721.45	142.68	142.68	0	ANNUAL	ALL	1	New Development	RP G1
646430.00	4078282.60	72357.61	140.02	140.02	0	ANNUAL	ALL	1	New Development	RP G1
646530.00	4078282.60	77736.37	147.22	147.22	0	ANNUAL	ALL	1	New Development	RP G1
646630.00	4078282.60	83374.29	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP G1
646730.00	4078282.60	89340.46	156.78	166	0	ANNUAL	ALL	1	New Development	RP_G1
648659.32	4077241.20	694857.05	205.79	205.79	0	ANNUAL	ALL	1	House 1	RP H1
648071.24	4076116.26	89057.55	169.6	240	0	ANNUAL	ALL	1	House 10	RP H10
648247.37	4076278.08	118744.04	184.55	240	0	ANNUAL	ALL	1	House 11	RP H11
648027.19	4076255.14	94938.46	169.38	240	0	ANNUAL	ALL	1	House 12	RP H12
648065.77	4076359.39	98251.19	173.83	240	0	ANNUAL	ALL	1	House 13	RP H13
648138.68	4076399.80	106892.34	178.22	240	0	ANNUAL	ALL	1	House 14	RP_H14
648254.71	4076411.38	124115.91	191.28	240	0	ANNUAL	ALL	1	House 15	RP_H15
647877.81	4076365.37	80323.56	165.39	240	0	ANNUAL	ALL	1	House 16	RP_H16
647520.00	4076206.00	58821.59	159	159	0	ANNUAL	ALL	1	House 17	RP_H17
647921.00	4076247.13	85205.34	164	240	0	ANNUAL	ALL	1	House 18	RP_H18
647708.78	4076351.65	68858.44	163.52	163.52	0	ANNUAL	ALL	1	House 19	RP_H19
648371.71	4075470.41	79599.33	173.69	227	0	ANNUAL	ALL	1	House 2	RP_H2
647703.58	4076251.07	68471.22	162.17	162.17	0	ANNUAL	ALL	1	House 20	RP_H20
647718.77	4076103.98	70437.36	159.35	159.35	0	ANNUAL	ALL	1	House 21	RP_H21
647843.32	4076124.94	77906.16	163	234	0	ANNUAL	ALL	1	House 22	RP_H22
647842.26	4076500.39	74996.76	167.93	167.93	0	ANNUAL	ALL	1	House 23	RP_H23
647727.75	4076644.22	62382.76	164.15	164.15	0	ANNUAL	ALL	1	House 24	RP_H24
647823.91	4076643.73	68728.58	168.29	168.29	0	ANNUAL	ALL	1	House 25	RP_H25
647530.00	4076497.00	54371.42	159.56	159.56	0	ANNUAL	ALL	1	House 26	RP_H26
647810.11	4076853.73	72098.50	162.9	162.9	0	ANNUAL	ALL	1	House 27	RP_H27
647697.48	4076989.26	80071.39	161.42	162	0	ANNUAL	ALL	1	House 28	RP_H28
648225.50	4076181.52	107149.62	183.22	240	0	ANNUAL	ALL	1	House 29	RP_H29
647678.23	4075969.18	61417.07	159.5	159.5	0	ANNUAL	ALL	1	House 3	RP_H3
645876.32	4077487.41	30608.24	127.13	142	0	ANNUAL	ALL	1	House 30	RP_H30
650902.00	4076062.00	410968.20	215.24	287	0	ANNUAL	ALL	1	House 31	RP_H31
651490.00	4076597.00	148314.94	205.5	813	0	ANNUAL	ALL	1	House 32	RP_H32
651565.00	4077067.00	106672.12	213.93	813	0	ANNUAL	ALL	1	House 33	RP_H33

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* AERMET (21112): 2019

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U*

09/01/21

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL		AVE	GRP	NUM YRS NET ID	Description	ID
648672.77	4075306.77	108277.36	225.91	227	0	ANNUAL	ALL	1	House 34	RP H34
648383.60	4075469.08	79797.98	174.44	227	0	ANNUAL	ALL	1	House 35	RP H35
646379.37	4077232.58	30216.48	146	146	0	ANNUAL	ALL	1	House 36	RP H36
651849.72	4075865.15	152352.03	201.97	333	0	ANNUAL	ALL	1	House 37	RP H37
652045.49	4076210.24	124415.13	196.88	813	0	ANNUAL	ALL	1	House 38	RP H38
652255.69	4076390.67	92281.60	197.06	813	0	ANNUAL	ALL	1	House 39	RP H39
647815.25	4075985.43	66210.41	162.04	162.04	0	ANNUAL	ALL	1	House 4	RP H4
646853.73	4077372.88	56707.15	145.99	145.99	0	ANNUAL	ALL	1	House 40	RP H40
647050.21	4077359.57	66621.58	145	145	0	ANNUAL	ALL	1	House 41	RP H41
647286.42	4077474.40	92885.99	149.68	153	0	ANNUAL	ALL	1	House 42	RP H42
647359.05	4077339.84	88999.07	154.45	159	0	ANNUAL	ALL	1	House 43	RP H43
647490.41	4077328.53	101827.31	162.28	162.28	0	ANNUAL	ALL	1	House 44	RP H44
647522.17	4077251.76	95354.02	164.3	164.3	0	ANNUAL	ALL	1	House 45	RP H45
647517.82	4077138.85	80258.29	164.01	164.01	0	ANNUAL	ALL	1	House 46	RP H46
646819.01	4077258.40	46863.23	151.53	152	0	ANNUAL	ALL	1	House 47	RP H47
646778.72	4077127.63	37519.68	158.51	158.51	0	ANNUAL	ALL	1	House 48	RP H48
646987.26	4077213.10	51324.02	146.44	146.44	0	ANNUAL	ALL	1	House 49	RP H49
647898.20	4076032.80	72972.86	163.83	237	0	ANNUAL	ALL	1	House 5	RP H5
647241.77	4077226.51	67074.45	154.85	154.85	0	ANNUAL	ALL	1	House 50	RP H50
646773.05	4077063.03	34392.18	159	159	0	ANNUAL	ALL	1	House 51	RP H51
647104.37	4077117.93	50599.15	148.99	148.99	0	ANNUAL	ALL	1	House 52	RP H52
647291.90	4077123.08	61807.89	158.62	158.62	0	ANNUAL	ALL	1	House 53	RP H53
646765.24	4076977.94	31347.17	158.67	158.67	0	ANNUAL	ALL	1	House 54	RP H54
646995.65	4076983.80	37330.05	152.34	152.34	0	ANNUAL	ALL	1	House 55	RP H55
647317.21	4077030.98	55443.42	160.22	160.22	0	ANNUAL	ALL	1	House 56	RP H56
647398.39	4077013.06	58731.93	161.26	161.26	0	ANNUAL	ALL	1	House 57	RP H57
646978.93	4076903.58	34418.22	156.81	156.81	0	ANNUAL	ALL	1	House 58	RP H58
647015.19	4076807.16	36150.15	156.21	156.21	0	ANNUAL	ALL	1	House 59	RP H59
648045.44	4076017.78	77346.41	168.26	240	0	ANNUAL	ALL	1	House 6	RP_H6
647163.96	4076802.21	40010.71	154.38	154.38	0	ANNUAL	ALL	1	House 60	RP_H60
647310.58	4076940.38	46601.04	162.49	162.49	0	ANNUAL	ALL	1	House 61	RP_H61
647298.09	4076805.15	43937.69	158	158	0	ANNUAL	ALL	1	House 62	RP_H62
647446.56	4076899.85	50281.49	159.45	159.45	0	ANNUAL	ALL	1	House 63	RP_H63
647464.49	4076780.74	50434.74	159.32	159.32	0	ANNUAL	ALL	1	House 64	RP_H64
647512.00	4076536.00	51348.24	159	159	0	ANNUAL	ALL	1	House 65	RP_H65
651131.00	4078767.00	21951.54	179.58	830	0	ANNUAL	ALL	1	House 66	RP_H66
647131.00	4077336.00	69925.37	146.77	146.77	0	ANNUAL	ALL	1	House 67	RP_H67
646798.00	4076740.00	31674.57	156.07	156.07	0	ANNUAL	ALL	1	House 68	RP_H68
646900.00	4076802.00	33681.66	159	159	0	ANNUAL	ALL	1	House 69	RP_H69
648126.33	4075955.37	77265.84	171.51	240	0	ANNUAL	ALL	1	House 7	RP_H7
647317.00	4076662.00	44060.77	159.9	159.9	0	ANNUAL	ALL	1	House 70	RP_H70

09/01/21

* AERMET (21112): 2019

14:16:57

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648249.26	4075969.84	87666.73	183.42	240	0	ANNUAL	ALL	1	House 8	RP_H8
648218.58	4076108.95	97376.87	182.28	240	0	ANNUAL	ALL	1	House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in µg/m3.

14:22:32

* AERMET (21112): 2020

- *MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

64399.06 40789.80 (63996407898) 74126.52 123.85 123.85 0. ANNUAL ALL 1. AQ Monitoring Station AQ ST 164390.65 4079719.38 (64390.6540719.38 (64390.6540719.38 (64	* X Y X&Y			THILL 2	ZFLAG AVE GRP	NUM YRS NET ID Description	ID	1
64390.65 d07719.38 d3900.65 007719.38 2010.81 105.68 105.6						<u>, </u>		1
642179.10 470945.56 (2170.944079415.6) 15413.30 85.12 85.12 85.12 0 ANNALA ALL 1 Vista Park Hill Park CR PK 1 642179.10 4709495.51 (2170.944079495.51 62170.94407945.51 1624.80 1624.91 106.44 10								1
64473314 079949.51 642179.0954079949.5 S4448.34 117.99 117.99 0 ANNUAL ALL	642056.78 4079415.69 642056.7824079415.					1 Dunne Park		1
64590.81 078854.28 645608.804078854.2 62557.94 112.86 112.86 12.						1 Vista Park Hill Park		1
64428.05 4078806.98 644228.054078806.5 29271.42 95.25 95.25 0 ANNUAL ALL 1 Veteram Memorial Park CR, PK, 5 645951.84 007342.46 609581.6894073424.4 77339.62 159.96 318 0 ANNUAL ALL 1 Park 7 CR, PK, 7 645951.89 407342.46 609581.6894073424.4 77339.62 159.96 318 0 ANNUAL ALL 1 Park 7 CR, PK, 7 645951.89 407342.46 609581.6894073424.4 77339.62 159.96 318 0 ANNUAL ALL 1 Park 7 CR, PK, 7 645951.89 407374.085 6515.81 14077180.55 53128.14 133 313 0 ANNUAL ALL 1 San Andreas Continuation CR, SC 10 64592.68 407401.490 645850.6744074014.8 20088.60 123 313 0 ANNUAL ALL 1 Senbal 2 CR, SC 12 64605.89 407817.6.2 64210.6.699407817.6.2 12743.27 01 9.1 0 ANNUAL ALL 1 School 12 CR, SC 12 64605.89 3 407848.20 646058.93407844.3 73207.44 128.52 128.52 0 ANNUAL ALL 1 Runcho Smitam School CR, SC 13 648106.00 4074106.00 6454064074106 55090.90 159 240 0 ANNUAL ALL 1 Frus Pinus Union Elementary School CR, SC 14 648406.00 4074106.00 6440664074106 55090.90 159 240 0 ANNUAL ALL 1 Frus Pinus Union Elementary School CR, SC 15 649201.12 4077304.04 643920.124077904.04 21673.19 101.23 101.23 0 ANNUAL ALL 1 Hollister Montessori School CR, SC 2 649201.12 4077304.04 643920.124077904.04 21673.19 101.23 101.23 0 ANNUAL ALL 1 Hollister Montessori School CR, SC 3 640590.02 4079743.02 643980.024079743.02 53999.14 88 88 0 ANNUAL ALL 1 Marguerite Mace Middle School CR, SC 5 640590.10 4079915.500 64163047074078620.83 22664673 92 92 0 ANNUAL ALL 1 Marguerite Mace Middle School CR, SC 5 640301.64 6009078.80 64490907478070.83 23696.6 87 8 0 ANNUAL ALL 1 Ladd Lane Elementary School CR, SC 6 640302.66 400908.78 644002.66 600908.78 34090.6 87 8 34090.6 87 8 34090.6 87 8 34090.6 87 8 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 34090.6 340	644733.14 4078752.70 644733.1424078752.	.7 36243.91	106.44	106.44	0 ANNUAL ALL	1 Las Brisas Park	CR PK 3	1
649381.48 4076599.00 643311.4764076589.58 25780.58 134.61 134.61 0 ANNUAL ALL 1 Park 6 CR PK 6 649381.69 4073424.66 649581.68 94073424.66 1678.689073424.47 77339.62 1599.60 1318 0 ANNUAL ALL 1 Park 7 CR PK 7 64514.51.1 4077180.55 64514.51.14077180.55 52350.45 86 86 0 ANNUAL ALL 1 Cerra Vista Elem School CR SC 1.0 645850.68 4074014.90 645850.6784074014.8 20898.60 123 313 0 ANNUAL ALL 1 SouthSide School CR SC 1.1 646583.08 4074014.90 645850.6784074014.8 20898.60 123 313 0 ANNUAL ALL 1 SouthSide School CR SC 1.1 64658.08 4074014.90 646585.03407844.32 73207.44 128.52 128.52 128.52 0 ANNUAL ALL 1 SouthSide School CR SC 1.2 646658.93 407844.32 73207.44 128.52 128.52 128.52 0 ANNUAL ALL 1 Rancho Santana School CR SC 1.3 647269.09 4078755.00 6472690.07555 51197.60 158 158 0 ANNUAL ALL 1 Future School CR SC 1.3 644066.00 4074106.00 6444664074106 55900.00 159 240 0 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 1.5 644096.00 40784108.60 64407840.04 21673.19 101.23 101.23 101.23 0 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 3 644906.02 404978.08 64990.012400734.04 21673.19 101.23 101.23 101.23 0 ANNUAL ALL 1 Hullister Montesceri School CR SC 3 643960.02 4079743.02 643990.024079743.02 63990.024079743.02 63990.024079743.02 63990.024079743.02 63990.02407973.03 16318.07 85 8 8 0 ANNUAL ALL 1 Hullister Montesceri School CR SC 5 644002.96 40000078.78 644002.96 4000078.78 6440	645608.81 4078854.28 645608.8084078854.	.2 62557.94	112.86	112.86	0 ANNUAL ALL	1 Frank Klauer Memorial Park	CR PK 4	1
649311.48 4076599.00 643311.4764076589.8	644238.05 4078806.98 644238.0544078806.	.9 29271.42	95.25	95.25		1 Veterans Memorial Park		1
64514.51.1 4977180.55 645145.114977180.55 32348.14 133 133 0. ANNUAL ALL 1. Cerra Vista Elem School CR. SC. I 645290.71 497995.45 645290.71 24207995.45 25560.45 86 86 0. ANNUAL ALL 1. Sont Andreas Continuation CR. SC. I 645285.068 497816.21 64210.66794078176.2 12743.27 91 91 0. ANNUAL ALL 1. SonthSide School CR. SC. I 64608.89.3 497844.32.0 64608.893407844.3.2 73207.44 128.52 128.52 0. ANNUAL ALL 1. Rancho Santana School CR. SC. I 647209.00 4075575.00 6472694078176.2 12743.27 91 91 0. ANNUAL ALL 1. Future School CR. SC. I 64866.00 4074016.00 6484660474106 55090.90 159 240 0. ANNUAL ALL 1. Tree Pinco Union Elementary School CR. SC. I 648460.00 4079730.00 6472694078175 92 29620.12 98.2 98.2 0. ANNUAL ALL 1. Sunnyalope Elem School CR. SC. I 649300.14 097974.00 64399.12 12077304.04 21673.19 101.23 101.23 101.23 0. ANNUAL ALL 1. Hollister Montessori School CR. SC. I 649300.14 097974.00 64399.00 2407974.00 23599.14 88 88 0. ANNUAL ALL 1. Rancho San Justo Middle School CR. SC. I 6419300.14 097974.00 64399.00 04709743.00 35999.14 88 88 0. ANNUAL ALL 1. Marguerite Maze Middle School CR. SC. I 6419300.14 097974.00 64399.00 04709743.00 34399.14 88 88 0. ANNUAL ALL 1. Hollister Prep Schoo CR. SC. I 6419300.14 097974.00 64399.00 04709743.00 34399.14 88 88 0. ANNUAL ALL 1. Hollister Prep Schoo CR. SC. I 6419300.14 097974.00 64399.00 04709743.00 34399.16 87 87 0. ANNUAL ALL 1. Hollister Prep Schoo CR. SC. I 6419300.14 097974.00 64399.00 0470974.30 34399.16 87 87 0. ANNUAL ALL 1. Hollister Prep Schoo CR. SC. I 6419300.14 097974.00 64399.00 0470974.30 0. ANNUAL ALL 1. Grid Receptor I 0. Grid School 0. CR. SC. I 6419300.14 097973.00 64184407973 0. ANNUAL ALL 1. Grid Receptor I 0. Grid School 0. Grid Receptor I 0. Grid School 0. ANNUAL ALL 1. Grid Receptor I 0. Grid School 0. ANNUAL ALL 1. Grid Recepto	645311.48 4076559.00 645311.4764076558.	.9 25780.58	134.61	134.61	0 ANNUAL ALL	1 Park 6		1
64390.84 (2014) (4079954.55) (42204.71) (4079954.55) (42204.85) (407918.10) (4	649581.69 4073424.46 649581.6894073424.	.4 77339.62	159.96	318	0 ANNUAL ALL	1 Park 7	CR PK 7	1
64395.08 4074014.90 64585.06.78407816.2 12743.27 91 91 0 ANNUAL ALL 1 School 12 CR SC 12 646105.88 94078415.20 64605.89 94078443.2 73207.44 128.52 128.52 0 ANNUAL ALL 1 School 12 CR SC 12 64605.89 407845.20 64605.89 94078443.2 73207.44 128.52 128.52 0 ANNUAL ALL 1 Future School CR SC 13 School 0774106.00 64846640074106 55090.00 159 240 0 ANNUAL ALL 1 Tres Prints Union Elementary School CR SC 15 64109.00 4075755.00 647264075575 20 647264075407540754075407540754075407540754075	645145.11 4077180.55 645145.114077180.5	32148.14	133	133	0 ANNUAL ALL	1 Cerra Vista Elem School	CR SC 1	1
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644109.60 4078388.69 644109.64078388.69 2962.01.2 98.2 98.2 0 ANNUAL ALL 1 Sumyslope Elem School CR SC 2 64392.01.2 4077304.04 643920.124077304.04 21673.19 101.23 101.23 0 ANNUAL ALL 1 Hollister Montessori School CR SC 3 642961.074078620.83 622961.07407879.00 642964.07407879.00 642964.07407879.00 642964.07407879.00 642964.07407879.00 642964.07407879.00 642964.07407879.00 642964.07407879.00 642964.07407879.00 642964.07407879.00 642964.07407879.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074079733.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773.00 642964.074078773	647269.00 4075575.00 6472694075575	51197.60	158	158	0 ANNUAL ALL	1 Future School	CR SC 14	School 2
643920.12 4077304.04 643920.124077304.04	648466.00 4074106.00 6484664074106	55090.90	159	240	0 ANNUAL ALL	1 Tres Pinos Union Elementary School	CR_SC_15	1
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643980.02 4079743.02 643980.024079743.02 35999.14 88 88 0 ANNUAL ALL 1 Marguerite Maze Middle School CR_SC_5 64135.03.07 4079153.00 641630.174079153 16318.07 85 85 0 ANNUAL ALL 1 Hollister Prep School CR_SC_6 64335.03.0407181.17 64335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 64335.03.0407181.17 64335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164335.03.0407181.17 164324.86 4090.296.04080078.78 434093.06 87 87 0 ANNUAL ALL 1 Gabian Hills Elementary School CR_SC_9 642083.48 4079793.05 642083.48 4079793.05 642083.48 4079793.05 642083.48 4079793.05 642083.48 4079793.05 642083.48 4079793.05 642083.48 4079793.05 642083.48 4079793.05 642083.48 407939.07 650213.84 14633 153 0 ANNUAL ALL 1 Workplace CR_WP 1 648949.0477938 449730.00 189.48 259 0 ANNUAL ALL 1 Workplace CR_WP 2 MEIW 647744.00 4079173.00 6477444079173 170788.96 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 G1 647744.00 4075573.00 6477444075573 67226.18 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144.00 4075573.00 648144407573 283608.52 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144.00 4078773.00 6481444078773 224145.67 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144.00 4077873.00 6481444078773 248145.67 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144.00 4077973.00 6481444077973 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144.00 4077973.00 6481444077973 1378.52.88 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077973.00 6481444077973 138865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077973.00 6481444078773 278356.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4077973.00 6481444078773 139802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6481444078773 139802.62 177.1 240 0 ANNUAL ALL 1	643920.12 4077304.04 643920.124077304.0	21673.19	101.23	101.23	0 ANNUAL ALL	1 Hollister Montessori School	CR SC 3	1
641630.17 4079153.00 641630.174079153 16318.07 85 85 0 ANNUAL ALL 1 Hollister Prep Schoo CR_SC_6 643350.03 4077181.17 643350.034077181.17 18167.44 98.22 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR_SC_7 644002.96 4080078.78 644002.964080078.78 34793.66 87 87 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_8 64224.86 4078412.70 64224.8584078412.6 15970.11 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR_SC_9 64208.3.45 4079812.70 64224.8584078412.6 15970.11 90.17 90.17 0 ANNUAL ALL 1 Jovenes De Antano CR_SC_9 64208.3.45 4079979.36 64600.24076879.07 50213.84 146.33 153 0 ANNUAL ALL 1 Workplace CR_WP_1 648049.00 4077938.00 6489494077938 449730.20 189.45 259 0 ANNUAL ALL 1 Nearest Workplace CR_WP_2 647744.00 4075573.00 6477444079173 170788.96 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 G1 647744.00 4075573.00 6477444079173 170788.96 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 G1 641844.00 4078573.00 6481444075573 283608.52 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144.00 4078773.00 6481444079173 15319.53 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144.00 4078773.00 6481444079173 15319.53 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144.00 4078773.00 648144407973 15319.53 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144.00 4078773.00 6481444078773 224145.67 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144.00 4078773.00 6481444077773 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144.00 4077973.00 6481444077773 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077973.00 6481444077773 278336.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4077973.00 648144077773 17802.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077973.00 648144077773 17802.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4077973.00 648144077773 11882.00 40780733.00 648144077773 17802.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 648144.00 40778773.00 648144077773 11882.00 41882.00 41882.00 41882.00 41882.00 41882.00 41882.00 418	642961.07 4078620.83 642961.074078620.8	33 22646.73	92	92	0 ANNUAL ALL	1 Rancho San Justo Middle School	CR_SC_4	1
643530.03 4077181.17 643350.034077181.17 18167.44 98.22 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR_SC_7 644002.96 4080078.78 434002.96 4080078.78 34793.66 87 87 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_8 642083.45 4078912.70 642244.8584078412.6 15970.11 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR_SC_9 642083.45 40799793.65 642083.4474079793.6 17396.74 87.58 127 0 ANNUAL ALL 1 Jovenes De Antano CR_SR_1 646402.00 4076879.07 50213.84 146.33 153 0 ANNUAL ALL 1 Workplace CR_WP_1 647744.00 40797938.00 6489494077938 449730.20 189.45 259 0 ANNUAL ALL 1 Nearest Workplace CR_WP_2 647744.00 4079173.00 6477444079173 170788.96 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 G1 651344.00 4075573.00 6477444075573 283608.52 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 10 G100 648144.00 4078733.00 6481444079173 153219.53 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144.00 4078733.00 6481444079173 153219.53 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 1 G11 648144.00 4078733.00 648144407973 133219.53 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 1 G11 648144.00 4078733.00 648144407973 133219.53 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 1 G11 648144.00 4078733.00 648144407973 133219.53 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 1 G11 648144.00 4078733.00 648144407973 133219.53 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 1 G11 648144.00 4077973.00 6481444077973 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 G13 648144.00 4077973.00 6481444077973 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 G16 648144.00 4077973.00 6481444077973 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 1 G16 648144.00 4077973.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 1 G16 648144.00 4077973.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 1 G16 648144.00 4077973.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 1 G19 648144.00 4078773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 1 G19 648144.00 4078773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid	643980.02 4079743.02 643980.024079743.0	2 35999.14	88	88	0 ANNUAL ALL	 Marguerite Maze Middle School 	CR_SC_5	1
644002.96 4080078.78 644002.964080078.78 34793.66 87 87 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 8 642424.86 4078412.70 642244.8584078412.6 15970.11 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 9 642083.4474079793.6 542083.4474079793.6 17396.74 87.58 127 0 ANNUAL ALL 1 Jovenes De Antano CR SR 1 646402.00 4076879.07 6464024076879.07 50213.84 146.33 153 0 ANNUAL ALL 1 Workplace CR WP 1 648949.00 4077938.00 64894904079938 449730.20 189.45 259 0 ANNUAL ALL 1 Nearest Workplace CR WP 1 648744.00 4079173.00 6477444079173 170788.96 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 G1 647744.00 4075573.00 6477444075573 283608.52 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 651344.00 4079173.00 6481444079173 153219.53 165.9 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144.00 4078773.00 6481444079173 224145.67 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144.00 4078773.00 6481444079773 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144.00 4077973.00 6481444077973 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144.00 4077973.00 6481444077973 371055.88 166.6 179 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144.00 4077973.00 6481444077973 278336.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4076773.00 6481444077773 278336.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4076773.00 6481444077773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4076773.00 6481444077773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4076773.00 64814440778773 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 648144.00 407573.00 6481444075773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 648144.00 407573.00 6481444075773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 407573.00 6481444075773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 648144.00 407573.00 6481444075773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 648144.00 407573.00 6481444075773 193802.62 177.1 240 0 ANNUAL ALL 1 Gr	641630.17 4079153.00 641630.174079153	16318.07	85	85	0 ANNUAL ALL	1 Hollister Prep Schoo	CR_SC_6	1
642244.86 4078412.70 642244.8584078412.6 15970.11 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR_SC_9 642083.45 4079793.65 642083.447407993.6 17396.74 87.58 127 0 ANNUAL ALL 1 Jovenes De Antano CR_SR_1 646402.00 4076879.07 6464024076879.07 50213.84 146.33 153 0 ANNUAL ALL 1 Workplace CR_WP_1 648949.00 4077938.00 6489494077938 449730.20 189.45 259 0 ANNUAL ALL 1 Nearest Workplace CR_WP_2 647744.00 4079173.00 6477444079173 170788.96 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 G1 651344.00 4075573.00 6477444075573 67226.18 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 661344.00 4075573.00 6431444075573 283608.52 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 661344.00 4079173.00 648144407573 283408.52 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144.00 4079173.00 6481444078773 224145.67 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144.00 4077973.00 6481444078773 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144.00 4077973.00 6481444077773 27836.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077173.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6481444076773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6481444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 648544.00 4075773.00 6481444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 4079773.00 648544407973 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 40787373.00 6485444078773 3127353.46 173.5 191 0 ANNUAL ALL	643350.03 4077181.17 643350.034077181.1	7 18167.44	98.22	98.22	0 ANNUAL ALL	 Ladd Lane Elementary School 	CR_SC_7]
642083.45 4079793.65 642083.4474079793.6	644002.96 4080078.78 644002.964080078.7	78 34793.66	87	87	0 ANNUAL ALL	1 Gabilan Hills Elementary School	CR_SC_8	
646402.00 4076879.07 6464024076879.07 50213.84 146.33 153 0 ANNUAL ALL 1 Workplace CR WP 1 648949.00 4077938.00 6489440707938 449730.20 189.45 259 0 ANNUAL ALL 1 Nearest Workplace CR WP 2 647744.00 4079173.00 6477444079173 170788.96 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 G1 647744.00 4075573.00 6477444075573 67226.18 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 651344.00 4075573.00 6513444075573 283608.52 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 100 G100 648144.00 4075573.00 648144407173 153219.53 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144.00 4078373.00 6481444078773 224145.67 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144.00 4078373.00 6481444077973 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144.00 4077573.00 6481444077973 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144.00 4077573.00 6481444077773 371055.88 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077573.00 6481444077773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4076773.00 6481444077773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4076773.00 6481444077773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6481444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6481444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6481444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 20 G2 648544.00 4075973.00 6481444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 20 G2 648544.00 4078773.00 6481444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 20 G2 648544.00 4078773.00 6485444078773 211878.70 145.4 166.2 0 ANNUAL ALL 1 Grid Receptor 21 G2 648544.00 4078773.00 6485444078773 31692.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	642244.86 4078412.70 642244.8584078412.	.6 15970.11	90.17	90.17	0 ANNUAL ALL	 San Benito High School 	CR_SC_9	
648949.00 4077938.00 6489494077938	642083.45 4079793.65 642083.4474079793.	.6 17396.74	87.58	127	0 ANNUAL ALL	1 Jovenes De Antano	CR_SR_1	1
647744.00 4079173.00 6477444079173	646402.00 4076879.07 6464024076879.07	50213.84	146.33	153	0 ANNUAL ALL	1 Workplace	CR_WP_1	
647744.00 4075573.00 6477444075573 6726.18 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 651344.00 4075573.00 6513444075573 283608.52 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 100 G100 648144.00 4079173.00 6481444078173 153219.53 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144.00 4078773.00 6481444078773 224145.67 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144.00 407873.00 6481444078773 309335.62 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144.00 4077973.00 6481444077973 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144.00 4077573.00 6481444077573 371055.88 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077173.00 6481444077173 278336.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 407673.00 6481444076773 19380.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 407673.00 6481444076373 144923.49 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4078773.00 6481444075973 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6481444075773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144.00 4078773.00 6481444075173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4078773.00 6485444078773 18725.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4078773.00 6485444078773 18725.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4078773.00 6485444078773 18725.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4078773.00 6485444078773 18725.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4078773.00 6485444078773 18725.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2	648949.00 4077938.00 6489494077938	449730.20	189.45	259	0 ANNUAL ALL	1 Nearest Workplace	CR_WP_2	MEIW
651344.00 4075573.00 6513444075573 283608.52 252.9 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 100 G100 648144.00 4079173.00 6481444078773 153219.53 165.9 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144.00 4078773.00 6481444078373 309335.62 146.2 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144.00 4078773.00 6481444078773 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144.00 4077573.00 6481444077573 371055.88 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077173.00 6481444077173 278336.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4076773.00 6481444076373 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4075973.00 6481444075973 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 648144407573 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144.00 407573.00 648144407573 121878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4078773.00 6481444078773 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4078773.00 6485444078773 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	647744.00 4079173.00 6477444079173	170788.96	155.2	155.2	0 ANNUAL ALL	1 Grid Receptor 1	G1	
648144.00 4079173.00 6481444079173 153219.53 165.9 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144.00 4078773.00 6481444078773 224145.67 159.6 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144.00 407873.00 6481444078373 309335.62 146.2 146.2 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144.00 4077973.00 6481444077973 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144.00 4077573.00 6481444077573 371055.88 166.6 179 0 ANNUAL ALL 1 Grid Receptor 16 G15 648144.00 4077173.00 6481444077173 278836.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4076373.00 6481444076373 144923.49 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4075973.00 6481444075973 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6481444075773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4079773.00 6481444078773 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 23 G23	647744.00 4075573.00 6477444075573	67226.18	160	160	0 ANNUAL ALL	1 Grid Receptor 10	G10	
648144.00 4078773.00 6481444078773 224145.67 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144.00 4078373.00 6481444078373 309335.62 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144.00 4077973.00 648144407973 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144.00 4077573.00 6481444077573 371055.88 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077173.00 6481444077173 278336.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4076373.00 6481444076373 144923.49 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4075973.00 6481444075973 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6481444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144.00 4075573.00 648144407573 94372.25 168.8 190 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4079173.00 6485444079173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544.00 4078773.00 6485444078773 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	651344.00 4075573.00 6513444075573	283608.52	252.9	252.9	0 ANNUAL ALL	1 Grid Receptor 100	G100	
648144.00 4078373.00 6481444078373 309335.62 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144.00 4077973.00 6481444077973 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144.00 4077573.00 6481444077573 371055.88 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077173.00 6481444077173 278336.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4076373.00 6481444076373 144923.49 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4075973.00 6481444075973 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6487444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144.00 4075573.00 6481444075573 94372.25 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 4079173.00 6485444079173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544.00 4078773.00 6485444078773 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648144.00 4079173.00 6481444079173	153219.53	165.9	165.9	0 ANNUAL ALL		G11	
648144.00 4077973.00 6481444077973 413865.55 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144.00 4077573.00 6481444077573 371055.88 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077173.00 6481444077173 278336.28 175.4 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4076373.00 6481444076373 144923.49 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4075973.00 6481444075973 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6477444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144.00 4075573.00 6481444075573 94372.25 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 4079173.00 6485444079173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544.00 4078373.00 6485444078373 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23	648144.00 4078773.00 6481444078773	224145.67	159.6	159.6	0 ANNUAL ALL	1 Grid Receptor 12	G12	
648144.00 4077573.00 6481444077573 371055.88 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144.00 4077173.00 6481444077173 278336.28 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4076373.00 6481444076373 144923.49 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4075973.00 6481444075973 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6477444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 648144.00 4075573.00 6481444075573 94372.25 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 4079173.00 6485444079173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544.00 4078373.00 6485444078373 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648144.00 4078373.00 6481444078373	309335.62	146.2	146.2	0 ANNUAL ALL	1 Grid Receptor 13	G13	
648144.00 4077173.00 6481444077173 278336.28 175.4 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4076373.00 6481444076373 144923.49 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4075973.00 6481444075973 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6477444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 648144.00 4075573.00 6481444075573 94372.25 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 4079173.00 6485444079173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544.00 4078373.00 6485444078373 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648144.00 4077973.00 6481444077973	413865.55	158.3	181	0 ANNUAL ALL	1 Grid Receptor 14	G14	
648144.00 4076773.00 6481444076773 193802.62 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144.00 4076373.00 6481444076373 144923.49 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4075973.00 6481444075973 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6477444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144.00 4075573.00 6481444075573 94372.25 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 4079173.00 6485444079173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544.00 4078373.00 6485444078373 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648144.00 4077573.00 6481444077573	371055.88	166.6	179	0 ANNUAL ALL	1 Grid Receptor 15	G15	
648144.00 4076373.00 6481444076373 144923.49 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144.00 4075973.00 6481444075973 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6477444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144.00 4075573.00 6481444075573 94372.25 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 4079173.00 6485444079173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544.00 4078373.00 6485444078373 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648144.00 4077173.00 6481444077173	278336.28	175.4	175.4	0 ANNUAL ALL	1 Grid Receptor 16	G16	
648144.00 4075973.00 6481444075973 116182.74 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744.00 4078773.00 6477444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144.00 4075573.00 6481444075573 94372.25 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 4079173.00 6485444079173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544.00 4078373.00 6485444078373 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648144.00 4076773.00 6481444076773	193802.62	177.1	240	0 ANNUAL ALL	1 Grid Receptor 17	G17	
647744.00 4078773.00 6477444078773 211878.70 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144.00 4075573.00 6481444075573 94372.25 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 4079173.00 6485444079173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544.00 4078373.00 6485444078373 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648144.00 4076373.00 6481444076373	144923.49	178	240	0 ANNUAL ALL	1 Grid Receptor 18	G18	
648144.00 4075573.00 6481444075573 94372.25 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544.00 4079173.00 6485444079173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544.00 4078373.00 6485444078373 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648144.00 4075973.00 6481444075973	116182.74	173	240	0 ANNUAL ALL	1 Grid Receptor 19		
648544.00 4079173.00 6485444079173 127353.46 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544.00 4078373.00 6485444078373 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	647744.00 4078773.00 6477444078773	211878.70	145.4	145.4				
648544.00 4078773.00 6485444078773 187296.93 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544.00 4078373.00 6485444078373 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648144.00 4075573.00 6481444075573	94372.25	168.8	190	0 ANNUAL ALL	•	G20	4
648544.00 4078373.00 6485444078373 301892.43 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23	648544.00 4079173.00 6485444079173		173.5	191	0 ANNUAL ALL	*		_
^	648544.00 4078773.00 6485444078773		166.2	166.2	0 ANNUAL ALL			4
648544.00 4077973.00 6485444077973 496828.77 173.9 214 0 ANNUAL ALL 1 Grid Receptor 24 G24	648544.00 4078373.00 6485444078373					*		
	648544.00 4077973.00 6485444077973	496828.77	173.9	214	0 ANNUAL ALL	1 Grid Receptor 24	G24	4

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- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X Y X&Y	AVERAGE CONC ZE		ZHILL Z	ZFLAG AVE GRP	NUM YRS NET ID	Description	ID
648544.00 4077573.00 6485444077573	711837.99	179.6	227	0 ANNUAL ALL	1	Grid Receptor 25	G25
648544.00 4077173.00 6485444077173	586668.54	191	226	0 ANNUAL ALL	1	Grid Receptor 26	G26
648544.00 4076773.00 6485444076773	373873.68	209.2	240	0 ANNUAL ALL	1	Grid Receptor 27	G27
648544.00 4076373.00 6485444076373	315777.04	233.7	240	0 ANNUAL ALL		Grid Receptor 28	G28
648544.00 4075973.00 6485444075973	175744.87	199.9	240	0 ANNUAL ALL		Grid Receptor 29	G29
647744.00 4078373.00 6477444078373	276504.38	144.4	144.4	0 ANNUAL ALL	*	Grid Receptor 3	G3
648544.00 4075573.00 6485444075573	125658.88	195.5	227	0 ANNUAL ALL		Grid Receptor 30	G30
648944.00 4079173.00 6489444079173	106524.15	190.4	194	0 ANNUAL ALL		Grid Receptor 31	G31
648944.00 4078773.00 6489444078773	144394.99	165.4	165.4	0 ANNUAL ALL	1	Grid Receptor 32	G32
648944.00 4078373.00 6489444078373	229048.29	159.6	259	0 ANNUAL ALL		Grid Receptor 33	G33
648944.00 4077973.00 6489444077973	421913.04	183.5	259	0 ANNUAL ALL		Grid Receptor 34	G34
648944.00 4077573.00 6489444077573	1145348.60	224	226	0 ANNUAL ALL		Grid Receptor 35	G35
648944.00 4076373.00 6489444076373	494432.08	205	240	0 ANNUAL ALL	1	Grid Receptor 38	G38
648944.00 4076373.00 6489444076373	300671.77	208.8	220	0 ANNUAL ALL		Grid Receptor 39	G39
647744.00 4077973.00 6477444077973	256919.53	134.6	181	0 ANNUAL ALL	1	Grid Receptor 4	G4
648944.00 4075573.00 6477444077973	194513.07	185.6	300	0 ANNUAL ALL		Grid Receptor 40	G40
649344.00 4079173.00 6493444079173	68159.16	187.4	801		1		G40 G41
				0 ANNUAL ALL		Grid Receptor 41	
649344.00 4078773.00 6493444078773	95456.17	160.9	813	0 ANNUAL ALL	1	Grid Receptor 42	G42
649344.00 4078373.00 6493444078373	155075.40	200.5	221	0 ANNUAL ALL		Grid Receptor 43	G43
649344.00 4077973.00 6493444077973	336602.63	229	253	0 ANNUAL ALL		Grid Receptor 44	G44
649344.00 4077573.00 6493444077573	436947.42	253.3	259	0 ANNUAL ALL		Grid Receptor 45	G45
649344.00 4076373.00 6493444076373	2044008.32	220.2	263	0 ANNUAL ALL		Grid Receptor 48	G48
649344.00 4075973.00 6493444075973	776102.57	227.2	227.2	0 ANNUAL ALL	1	Grid Receptor 49	G49
647744.00 4077573.00 6477444077573	210278.09	163.8	171	0 ANNUAL ALL		Grid Receptor 5	G5
649344.00 4075573.00 6493444075573	328416.26	205.5	300	0 ANNUAL ALL		Grid Receptor 50	G50
649744.00 4079173.00 6497444079173	61658.80	176.1	830	0 ANNUAL ALL		Grid Receptor 51	G51
649744.00 4078773.00 6497444078773	81350.24	195	813	0 ANNUAL ALL	1	Grid Receptor 52	G52
649744.00 4078373.00 6497444078373	107549.71	196.1	227	0 ANNUAL ALL		Grid Receptor 53	G53
649744.00 4077973.00 6497444077973	167587.02	215.3	251	0 ANNUAL ALL		Grid Receptor 54	G54
649744.00 4077573.00 6497444077573	291812.35	221.6	259	0 ANNUAL ALL		Grid Receptor 55	G55
649744.00 4076373.00 6497444076373	6072467.30	211.7	266	0 ANNUAL ALL	1	Grid Receptor 58	G58
649744.00 4075973.00 6497444075973	1678497.54	237.7	257	0 ANNUAL ALL		Grid Receptor 59	G59
647744.00 4077173.00 6477444077173	166199.08	158.4	171	0 ANNUAL ALL		Grid Receptor 6	G6
649744.00 4075573.00 6497444075573	582827.86	204.2	300	0 ANNUAL ALL		Grid Receptor 60	G60
650144.00 4079173.00 6501444079173	37668.35	173	830	0 ANNUAL ALL		Grid Receptor 61	G61
650144.00 4078773.00 6501444078773	43283.62	171	830	0 ANNUAL ALL		Grid Receptor 62	G62
650144.00 4078373.00 6501444078373	62269.31	204.6	813	0 ANNUAL ALL	1	Grid Receptor 63	G63
650144.00 4077973.00 6501444077973	100818.79	216.5	290	0 ANNUAL ALL		Grid Receptor 64	G64
650144.00 4077573.00 6501444077573	89199.22	257.7	257.7	0 ANNUAL ALL		Grid Receptor 65	G65
650144.00 4076373.00 6501444076373	2271660.50	231.4	272	0 ANNUAL ALL	1	Grid Receptor 68	G68
650144.00 4075973.00 6501444075973	1289576.69	249.4	266	0 ANNUAL ALL	1	Grid Receptor 69	G69
647744.00 4076773.00 6477444076773	124865.67	164.7	164.7	0 ANNUAL ALL	1	Grid Receptor 7	G7
650144.00 4075573.00 6501444075573	767516.60	216.4	300	0 ANNUAL ALL	1	Grid Receptor 70	G70
650544.00 4079173.00 6505444079173	27962.29	177	830	0 ANNUAL ALL	1	Grid Receptor 71	G71
650544.00 4078773.00 6505444078773	36695.20	180.9	830	0 ANNUAL ALL	1	Grid Receptor 72	G72

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
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- FOR A TOTAL OF 289 RECEPTORS.
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* X Y X&Y	,	. ,	ZHILL	ZFLAG AVE	GRP	NUM YRS NET ID	Description	ID
650544.00 4078373.00 6505444078373	58497.77	196.6	830			1	Grid Receptor 73	G73
650544.00 4077973.00 6505444077973	97203.68	236.9	801	0 ANNUAL		1	Grid Receptor 74	G74
650544.00 4077573.00 6505444077573	48172.60	261.3	287	0 ANNUAL		1	Grid Receptor 75	G75
650544.00 4076373.00 6505444076373	462893.49	260.9	260.9	0 ANNUAL		1	Grid Receptor 78	G78
650544.00 4075973.00 6505444075973	845216.82	226.7	287	0 ANNUAL		1	Grid Receptor 79	G79
647744.00 4076373.00 6477444076373	94616.78	164	164	0 ANNUAL		1	Grid Receptor 8	G8
650544.00 4075573.00 6505444075573	393339.27	268.2	287	0 ANNUAL		1	Grid Receptor 80	G80
650944.00 4079173.00 6509444079173	29098.86	181.3	830	0 ANNUAL		1	Grid Receptor 81	G81
650944.00 4078773.00 6509444078773	38870.42	178.4	830	0 ANNUAL		1	Grid Receptor 82	G82
650944.00 4078373.00 6509444078373	54728.34	214.8	830	0 ANNUAL		1	Grid Receptor 83	G83
650944.00 4077973.00 6509444077973	49869.28	249.9	813	0 ANNUAL		1	Grid Receptor 84	G84
650944.00 4077573.00 6509444077573	22470.90	276.5	296			1	Grid Receptor 85	G85
650944.00 4077173.00 6509444077173	160409.08	225.6	296	0 ANNUAL		1	Grid Receptor 86	G86
650944.00 4077173.00 6509444077173	294504.24	219.8	267	0 ANNUAL		1	Grid Receptor 87	G87
650944.00 4076773.00 6509444076373	368170.91	209.2	273	0 ANNUAL		1	Grid Receptor 88	G88
	448286.81	216.6	287			1		G89
650944.00 4075973.00 6509444075973 647744.00 4075973.00 6477444075973	90365.19	160.7	160.7	0 ANNUAL		1	Grid Receptor 89	G9
				0 ANNUAL			Grid Receptor 9	G90
650944.00 4075573.00 6509444075573	447395.42	243.2	289	0 ANNUAL		1	Grid Receptor 90	
651344.00 4079173.00 6513444079173	31103.70	191	830			1	Grid Receptor 91	G91
651344.00 4078773.00 6513444078773	30176.49	181	830	0 ANNUAL		1	Grid Receptor 92	G92
651344.00 4078373.00 6513444078373	37035.03	214.3	830			1	Grid Receptor 93	G93
651344.00 4077973.00 6513444077973	31423.79	248.4	826			1	Grid Receptor 94	G94
651344.00 4077573.00 6513444077573	59035.04	213.2	826			1	Grid Receptor 95	G95
651344.00 4077173.00 6513444077173	122499.48	213.6	813	0 ANNUAL		1	Grid Receptor 96	G96
651344.00 4076773.00 6513444076773	174827.78	203.5	813	0 ANNUAL		1	Grid Receptor 97	G97
651344.00 4076373.00 6513444076373	230359.30	205.6	220	0 ANNUAL		1	Grid Receptor 98	G98
651344.00 4075973.00 6513444075973	258642.00	205.8	269	0 ANNUAL		1	Grid Receptor 99	G99
648584.24 4077523.07 648584.244077523.0		183.61	227	0 ANNUAL		1	Boundary Perimeter 1	P1
649484.05 4077537.42 649484.054077537.4		254.01	257	0 ANNUAL		1	Boundary Perimeter 10	P10
649584.03 4077538.59 649584.034077538.5		235.3	259	0 ANNUAL		1	Boundary Perimeter 11	P11
649684.02 4077539.76 649684.024077539.7		221.29	259	0 ANNUAL		1	Boundary Perimeter 12	P12
649784.00 4077540.93 6497844077540.93	290394.59	222.37	260	0 ANNUAL		1	Boundary Perimeter 13	P13
649883.99 4077542.10 649883.994077542.1		233.6	259	0 ANNUAL		1	Boundary Perimeter 14	P14
649983.97 4077543.45 649983.974077543.4		249.54	259	0 ANNUAL		1	Boundary Perimeter 15	P15
650083.94 4077545.65 650083.944077545.6		258.89	258.89	0 ANNUAL		1	Boundary Perimeter 16	P16
650183.91 4077547.85 650183.914077547.8		259.56	259.56	0 ANNUAL		1	Boundary Perimeter 17	P17
650283.87 4077550.05 650283.874077550.0		256.77	266	0 ANNUAL		1	Boundary Perimeter 18	P18
650383.84 4077552.25 650383.844077552.2		242.37	290	0 ANNUAL		1	Boundary Perimeter 19	P19
648684.22 4077524.90 648684.224077524.9		197.16	227	0 ANNUAL		1	Boundary Perimeter 2	P2
650483.81 4077554.45 650483.814077554.4		242.23	296			1	Boundary Perimeter 20	P20
650583.78 4077556.65 650583.784077556.6		259.71	290	0 ANNUAL		1	Boundary Perimeter 21	P21
650683.75 4077558.85 650683.754077558.8		257.58	296	0 ANNUAL		1	Boundary Perimeter 22	P22
650776.81 4077553.84 650776.814077553.8		267.9	296			1	Boundary Perimeter 23	P23
650778.91 4077453.87 650778.914077453.8		275.91	275.91	0 ANNUAL		1	Boundary Perimeter 24	P24
650781.00 4077353.90 6507814077353.9	49853.41	265.73	281	0 ANNUAL	ALL	1	Boundary Perimeter 25	P25

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* X	Y X&Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG AVE	GRP	NUM YRS NET ID	Description	ID	
650783.10	4077253.93 650783.14077253.93	114391.52	251.08	282	0 ANNUAL	ALL	1	Boundary Perimeter 26	P26	
650785.19	4077153.96 650785.194077153.96	142085.80	252.83	281	0 ANNUAL	ALL	1	Boundary Perimeter 27	P27	
650787.29	4077053.99 650787.294077053.99	217250.41	246.1	269	0 ANNUAL	ALL	1	Boundary Perimeter 28	P28	
650789.38	4076954.02 650789.384076954.02	279507.74	241.37	269	0 ANNUAL	ALL	1	Boundary Perimeter 29	P29	
648784.19	4077526.73 648784.194077526.73	1022702.37	209.74	209.74	0 ANNUAL	ALL	1	Boundary Perimeter 3	Р3	
650791.48	4076854.05 650791.484076854.05	302595.22	246.79	251	0 ANNUAL	ALL	1	Boundary Perimeter 30	P30	
650793.57	4076754.08 650793.574076754.08	384899.32	228.75	264	0 ANNUAL	ALL	1	Boundary Perimeter 31	P31	
650754.39	4076683.11 650754.394076683.11	399550.44	217.76	271	0 ANNUAL	ALL	1	Boundary Perimeter 32	P32	
650660.22	4076649.50 650660.224076649.5	491362.27	221.2	273	0 ANNUAL	ALL	1	Boundary Perimeter 33	P33	
650561.43	4076649.99 650561.434076649.99	574357.45	220.83	273	0 ANNUAL	ALL	1	Boundary Perimeter 34	P34	
650462.72	4076665.95 650462.724076665.95	691815.49	223.42	273	0 ANNUAL	ALL	1	Boundary Perimeter 35	P35	
650364.01	4076681.90 650364.014076681.9	809953.89	222.46	263	0 ANNUAL	ALL	1	Boundary Perimeter 36	P36	
	4076683.08 650264.244076683.08		223.19	263	0 ANNUAL	ALL	1	Boundary Perimeter 37	P37	
650164.71	4076674.46 650164.714076674.46	1320038.36	222.1	249	0 ANNUAL	ALL	1	Boundary Perimeter 38	P38	
650065.80	4076659.74 650065.84076659.74	1771468.75	217.03	264	0 ANNUAL	ALL	1	Boundary Perimeter 39	P39	
648884.17	4077528.55 648884.174077528.55	1109389.86	214.25	227	0 ANNUAL	ALL	1	Boundary Perimeter 4	P4	
649980.44	4076626.71 649980.444076626.71	2775846.58	214.82	264	0 ANNUAL	ALL	1	Boundary Perimeter 40	P40	
649920.26	4076547.41 649920.264076547.41	4976007.06	214.91	264	0 ANNUAL	ALL	1	Boundary Perimeter 41	P41	
649852.19	4076474.41 649852.194076474.41	7537902.04	214.09	266	0 ANNUAL	ALL	1	Boundary Perimeter 42		ΜI
649770.68	4076416.80 649770.684076416.8	7369550.24	211.53	266	0 ANNUAL	ALL	1	Boundary Perimeter 43	P43	
649680.48	4076374.63 649680.484076374.63	6611388.33	210.17	266	0 ANNUAL	ALL	1	Boundary Perimeter 44	P44	
649580.91	4076368.30 649580.914076368.3	5485226.33	208.52	264	0 ANNUAL	ALL	1	Boundary Perimeter 45	P45	
	4076383.73 649482.484076383.73		207.5	264	0 ANNUAL		1	Boundary Perimeter 46	P46	
649391.59	4076425.15 649391.594076425.15	3592517.16	205.17	264	0 ANNUAL	ALL	1	Boundary Perimeter 47	P47	
649303.50	4076472.31 649303.54076472.31	2646017.86	202.16	264	0 ANNUAL	ALL	1	Boundary Perimeter 48	P48	
649226.19	4076535.29 649226.194076535.29	2046533.71	196.38	264	0 ANNUAL	ALL	1	Boundary Perimeter 49	P49	
648984.14	4077530.38 648984.144077530.38	1194023.96	221.41	221.41	0 ANNUAL	ALL	1	Boundary Perimeter 5	P5	
649156.20	4076605.17 649156.24076605.17	1755477.75	195.87	264	0 ANNUAL	ALL	1	Boundary Perimeter 50	P50	
	4076652.76 649068.254076652.76		196.32	264	0 ANNUAL	ALL	1	Boundary Perimeter 51	P51	
	4076710.52 648986.74076710.52	1055709.58	192.42	263	0 ANNUAL		1	Boundary Perimeter 52	P52	
	4076759.27 648936.534076759.27		192.46	250	0 ANNUAL		1	Boundary Perimeter 53	P53	
	4076832.50 648868.584076832.5	889135.85	191.63	250	0 ANNUAL		1	Boundary Perimeter 54	P54	
	4076902.21 648797.234076902.21		186.32	250	0 ANNUAL		1	Boundary Perimeter 55	P55	
	4076951.69 648710.564076951.69		179.81	250	0 ANNUAL		1	Boundary Perimeter 56	P56	
	4076995.72 648620.794076995.72		176.23	250	0 ANNUAL		1	Boundary Perimeter 57	P57	
	4077051.27 648607.194077051.27		175.02	250	0 ANNUAL		1	Boundary Perimeter 58	P58	
	4077119.49 648680.074077119.49		180.62	250	0 ANNUAL	ALL	1	Boundary Perimeter 59	P59	
	4077532.21 649084.124077532.21		216.54	259	0 ANNUAL		1	Boundary Perimeter 6	P6	
	4077180.33 648759.244077180.33		183.47	259	0 ANNUAL		1	Boundary Perimeter 60	P60	
	4077262.37 648791.444077262.37		202.88	245	0 ANNUAL		1	Boundary Perimeter 61	P61	
	4077362.32 648788.454077362.32		178.21	259	0 ANNUAL		1	Boundary Perimeter 62	P62	
	4077361.04 648691.254077361.04		176.25	259	0 ANNUAL		1	Boundary Perimeter 63	P63	
	4077356.85 648591.354077356.85		176	259	0 ANNUAL		1	Boundary Perimeter 64	P64	
	4077371.40 648525.694077371.4	669026.10	175.24	245	0 ANNUAL		1	Boundary Perimeter 65	P65	
648586.93	4077430.21 648586.934077430.21	770838.50	175.13	259	0 ANNUAL	ALL	1	Boundary Perimeter 66	P66	

09/01/21

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* AERMET (21112): 2020

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

145330.00 4077982.60 64653404077982.6 88121.91 1472.1 1472.1 0 ANNUAL ALL 1 New Development RP GI 146730.00 4077982.60 64665304077982.6 96476.25 148.3 160 0 ANNUAL ALL 1 New Development RP GI 146730.00 4077982.60 6465304077982.6 55468.93 127.58 127.58 127.58 0 ANNUAL ALL 1 New Development RP GI 146730.00 40778082.60 6469304078082.6 55468.93 127.58 127.58 127.58 0 ANNUAL ALL 1 New Development RP GI 146130.00 40778082.60 6469304078082.6 62499.47 134.35 134.35 134.35 0 ANNUAL ALL 1 New Development RP GI 163300.00 4078082.60 6469304078082.6 67198.89 139.22 0 ANNUAL ALL 1 New Development RP GI 163300.00 4078082.60 6469304078082.6 78786.71 134.65 146.65 0 ANNUAL ALL 1 New Development RP GI 163300.00 4078082.60 6469304078082.6 7823.33 142.88 142.88 0 ANNUAL ALL 1 New Development RP GI 164300.00 4078082.60 6469304078082.6 7823.33 142.88 142.88 0 ANNUAL ALL 1 New Development RP GI 164530.00 4078082.60 6469304078082.6 86584.89 142.88 0 ANNUAL ALL 1 New Development RP GI 164530.00 4078082.60 6469304078082.6 86584.89 142.88 0 ANNUAL ALL 1 New Development RP GI 164530.00 4078082.60 6469304078082.6 894273.50 150.64 146.76 0 ANNUAL ALL 1 New Development RP GI 164730.00 4078082.60 6469304078082.6 1272.21 150.56 127.22 0 ANNUAL ALL 1 New Development RP GI 1647300.00 4078082.60 6469304078082.6 1272.21 127.22 0 ANNUAL ALL 1 New Development RP GI 164030.00 4078082.60 6469304078182.6 619321.5 130.56 130.56 0 ANNUAL ALL 1 New Development RP GI 164030.00 4078182.60 6469304078182.6 619321.5 130.56 130.56 0 ANNUAL ALL 1 New Development RP GI 164030.00 4078182.60 6469304078182.6 619320.15 133.89 0 ANNUAL ALL 1 New Development RP GI 164030.00 4078182.60 6469304078182.6 619320.15 133.89 0 ANNUAL ALL 1 New Development RP GI 164030.00 4078182.60 6469304078182.6	V V V X X X X X X X X X X X X X X X X X			711111 - 21	ELAC AVE CER	NUM VDCNET ID	D	ID -
9284 08 407753 508 649284 084077535.08 7 10026.78 248.08 259 0 ANNIAI. ALL 1 Boundary Perimeter 9 P9 9498406 0407782.65 649384 084075785.62 53824.0 127.38 127.38 0 ANNIAI. ALL 1 New Development RP, GI 040300-0 0407782.60 6469304077982.6 5588.44 127.38 127.38 0 ANNIAI. ALL 1 New Development RP, GI 040300-0 0407782.60 6469304077982.6 61184.81 155.89 135.89 0 ANNIAI. ALL 1 New Development RP, GI 045300-0 0407782.60 6462304077982.6 6462304077982.						NUM YRSNET ID		
9398406 4077356.25 649384.664077826.25 12794.92 258.43 258.43 258.43 0 ANNUAL ALL I New Development RP, GI 9403000 4077982.66 6459304077982.6 54812.44 131.21 131.21 0 ANNUAL ALL I New Development RP, GI 9403000 4077982.60 6461304077982.6 646130407982.6 6						I		
1939.00 4077982.60 6459304077982.6 5548.2 127.38 127.3						<u> </u>	· · · · · · · · · · · · · · · · · · ·	
14030.00 4077982.06 140304077982.6 11848 131.21 131.21 131.21 131.21 131.21 131.21 131.20 1403040 1407982.06 14030407982.6 1403040 4077982.6 140304040 4077982.6 140304040 4077982.6 140304040 4077982.6 140304040						1		
16130.00 4077982.60 6463104077982.6						<u>l</u>		
16230.00 4077982.06 646324077982.6 6472.626 139.18 139.18 0 ANNUAL ALL 1 New Development RP GI 16330.00 4077982.06 6463404077982.6 74238.93 143.89 143.89 0 ANNUAL ALL 1 New Development RP GI 16430.00 4077982.06 6463404077982.6 88121.91 1472.1 1472.1 0 ANNUAL ALL 1 New Development RP GI 16430.00 4077982.06 6463404077982.6 88121.91 1472.1 1472.1 0 ANNUAL ALL 1 New Development RP GI 16430.00 4077982.06 6463404077982.6 88121.91 1472.1 1472.1 0 ANNUAL ALL 1 New Development RP GI 16430.00 4077982.06 6463404077982.6 5466340407982.6 5466						1	*	
4633,00 4077982,60 464304077982,6						1	<u>*</u>	
1453.00. 4077982.60 4654304077982.6 7238.93 1438.99 1438.99 0 ANNUAL ALL 1 New Development RP GI 4653.00. 4077982.60 6465304077982.6 88012.10 14522 147.21 0 ANNUAL ALL 1 New Development RP GI 4653.00. 4077982.60 6465304077982.6 88121.91 147.21 147.21 147.21 0 ANNUAL ALL 1 New Development RP GI 46730.00 4077982.60 6465304077982.6 9645632 127.58 127.58 127.58 0 ANNUAL ALL 1 New Development RP GI 46730.00 4078082.6 6 469304078082.6 5546893 127.58 127.58 127.58 0 ANNUAL ALL 1 New Development RP GI 46030.00 4078082.60 646304078082.6 5546893 127.58 127.58 127.58 0 ANNUAL ALL 1 New Development RP GI 4630.00 4078082.60 646304078082.6 5249.94 71 134.35 134.35 0 ANNUAL ALL 1 New Development RP GI 4630.00 4078082.60 646304078082.6 6 6249.94 71 134.35 134.35 0 ANNUAL ALL 1 New Development RP GI 4630.00 4078082.60 646304078082.6 6 73287.6 71 144.65 144.65 0 ANNUAL ALL 1 New Development RP GI 4630.00 4078082.60 6463404078082.6 73287.5 11 44.65 144.65 0 ANNUAL ALL 1 New Development RP GI 46430.00 4078082.60 6463404078082.6 73287.5 144.65 0 ANNUAL ALL 1 New Development RP GI 46430.00 4078082.60 6463404078082.6 94273.50 150.64						<u> </u>	*	
145330.00 4077982.60 6465304077982.6 88121.91 147.21 147.21 0. ANNUAL ALL 1 New Development RP GI 146730.00 4077982.60 6465304077982.6 96476.25 148.3 160 0. ANNUAL ALL 1 New Development RP GI 146730.00 4077982.60 6465304077982.6 55468.93 127.58 127.58 0. ANNUAL ALL 1 New Development RP GI 146730.00 40778082.60 6469304078082.6 55468.93 127.58 127.58 0. ANNUAL ALL 1 New Development RP GI 146130.00 40778082.60 6469304078082.6 62499.47 134.35 134.35 0. ANNUAL ALL 1 New Development RP GI 146130.00 40778082.60 6469304078082.6 62199.47 134.35 134.35 0. ANNUAL ALL 1 New Development RP GI 146330.00 40778082.60 6469304078082.6 78786.77 134.65 146.56 0. ANNUAL ALL 1 New Development RP GI 146330.00 40778082.60 6469304078082.6 78233.33 142.28 0. ANNUAL ALL 1 New Development RP GI 146330.00 40778082.60 6469304078082.6 79323.33 142.28 0. ANNUAL ALL 1 New Development RP GI 146330.00 40778082.60 6469304078082.6 86584.89 146.76 146.76 0. ANNUAL ALL 1 New Development RP GI 146730.00 40778082.60 6469304078082.6 86584.89 146.76 146.76 0. ANNUAL ALL 1 New Development RP GI 146730.00 40778082.60 6469304078082.6 59786.00 127.22 127.22 0. ANNUAL ALL 1 New Development RP GI 146730.00 40778082.60 6469304078082.6 127.22 0. ANNUAL ALL 1 New Development RP GI 146730.00 40778082.60 6469304078182.6 619321.5 130.56 130.56 0. ANNUAL ALL 1 New Development RP GI 146330.00 4078182.60 6469304078182.6 619321.5 130.56 130.56 0. ANNUAL ALL 1 New Development RP GI 146330.00 4078182.60 6469304078182.6 619321.5 130.56 130.56 0. ANNUAL ALL 1 New Development RP GI 146330.00 4078182.60 6469304078182.6 6619304078182.6 6619304078182.6 6619304078182.6 6619304078182.6 6619304078182.6 6619304078182.6 6619304078182.6 6619304078182.6 6619304078182.6 6619304078182.6 6619304078182.6 6619						<u> </u>	New Development	
1463.00.0 4077982.60 4646304077982.6	646430.00 4077982.60 6464304077982.6	74238.93	143.89	143.89	0 ANNUAL ALL	1	New Development	RP_G1
14731.00	646530.00 4077982.60 6465304077982.6	80617.10	145.22	145.22		1	*	RP_G1
18930.00 4078082.60 64639340478082.6 55468.93 127.58 127.58 0. ANNUAL ALL 1 New Development RP GI	646630.00 4077982.60 6466304077982.6	88121.91	147.21	147.21		1	*	RP_G1
1403.00.0 4078082.60 646304078082.6 6249.47 134.35	646730.00 4077982.60 6467304077982.6	96476.25	148.3	160	0 ANNUAL ALL	1	New Development	RP_G1
AG130.00 4078082.60 6463104078082.6 62499.47 134.35 134.35 134.35 0 ANNUAL ALL 1 New Development RP G1	645930.00 4078082.60 6459304078082.6	55468.93	127.58	127.58	0 ANNUAL ALL	1	New Development	RP_G1
46330.00 4078082.60 6463304078082.6 67198.89 139.22 139.22 0 ANNUAL ALL 1 New Development RP GI 46330.00 4078082.60 6464304078082.6 72876.71 144.65 144.65 0 ANNUAL ALL 1 New Development RP GI 46330.00 4078082.60 6464304078082.6 79323.33 142.28 142.28 0 ANNUAL ALL 1 New Development RP GI 46330.00 4078082.60 6464304078082.6 86584.89 146.76 146.76 0 ANNUAL ALL 1 New Development RP GI 4630.00 4078082.60 6464304078082.6 46273.50 150.64 150.64 150.64 150.64 46730.00 4078082.60 6464304078082.6 4273.50 150.64 150.64 150.64 150.64 46730.00 4078082.60 6467304078082.6 102322.55 155.4 157 0 ANNUAL ALL 1 New Development RP GI 46730.00 4078082.60 6467304078182.6 57056.90 127.22 127.22 0 ANNUAL ALL 1 New Development RP GI 46730.00 4078182.60 6460304078182.6 66193.10 133.89 133.89 0 ANNUAL ALL 1 New Development RP GI 46130.00 4078182.60 6462304078182.6 67194.60 140.45	646030.00 4078082.60 6460304078082.6	58656.28	130.56	130.56	0 ANNUAL ALL	1	New Development	RP_G1
A6330.00 4078082.60 6463340478082.6 72876.71	646130.00 4078082.60 6461304078082.6	62499.47	134.35	134.35	0 ANNUAL ALL	1	New Development	RP_G1
46430.00 4078082.60 6464304078082.6 79323.33 142.28 142.28 0 ANNUAL ALL 1 New Development RP GI 46530.00 4078082.60 6465304078082.6 86584.89 146.76 146.76 0 ANNUAL ALL 1 New Development RP GI 46730.00 4078082.60 6466304078082.6 94273.50 150.64 150.64 0 ANNUAL ALL 1 New Development RP GI 46730.00 4078082.60 6467304078082.6 102322.55 155.4 157 0 ANNUAL ALL 1 New Development RP GI 46730.00 4078082.60 6467304078082.6 57056.90 127.22 127.22 0 ANNUAL ALL 1 New Development RP GI 46030.00 4078182.60 6460304078182.6 6503.01 133.89 133.89 0 ANNUAL ALL 1 New Development RP GI 46130.00 4078182.60 6460304078182.6 66193.10 133.89 133.89 0 ANNUAL ALL 1 New Development RP GI 46330.00 4078182.60 646304078182.6 67193.10 133.89 133.89 0 ANNUAL ALL 1 New Development RP GI 46330.00 4078182.60 646304078182.6 71946.02 140.45 140.45 0 ANNUAL ALL 1 New Development RP GI 4630.00 4078182.60 646304078182.6 78300.09 146.94 146.94 0 ANNUAL ALL 1 New Development RP GI 4630.00 4078182.60 646304078182.6 84682.82 140.23 140.23 0 ANNUAL ALL 1 New Development RP GI 4630.00 4078182.60 646304078182.6 98630.26 151.56 151.56 0 ANNUAL ALL 1 New Development RP GI 46630.00 4078182.60 6466304078182.6 98630.26 151.56 151.56 0 ANNUAL ALL 1 New Development RP GI 46630.00 4078182.60 6466304078182.6 60526.12 126.06 126.06 0 ANNUAL ALL 1 New Development RP GI 46030.00 4078282.60 6460304078282.6 60526.12 126.06 126.06 0 ANNUAL ALL 1 New Development RP GI 46030.00 4078282.60 6460304078282.6 60526.12 126.06 126.06 0 ANNUAL ALL 1 New Development RP GI 46030.00 4078282.60 6460304078282.6 60526.12 126.06 126.06 0 ANNUAL ALL 1 New Development RP GI 46030.00 4078282.60 6460304078282.6 60526.12 126.06 126.06 0 ANNUAL ALL 1 New Development RP GI 46030.00 4078282.60 6460304078282.6 60526.12 126.06 126.06 0 ANNUAL ALL 1 New Development RP GI 46030.00 4078282.60 6460304078282.6 60526.12 126.06 126.06 0 ANNUAL ALL 1 New Development RP GI 46030.00 4078282.60 6460304078282.6 60526.12 126.06 126.06 0 ANNUAL ALL 1 New Development RP GI 46030.00 4078282.60 6460304078282.6 60526.	646230.00 4078082.60 6462304078082.6	67198.89	139.22	139.22	0 ANNUAL ALL	1	New Development	RP_G1
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46730.00 4078282.60 6467304078282.6 109086.41 156.78 166 0 ANNUAL ALL 1 New Development RP G1 48659.32 4077241.20 648659.324077241.2 852336.31 205.79 205.79 0 ANNUAL ALL 1 House 1 RP H1 48071.24 4076116.26 648071.244076116.26 122704.69 169.6 240 0 ANNUAL ALL 1 House 10 RP H10 48247.37 4076278.08 648247.374076278.08 153814.51 184.55 240 0 ANNUAL ALL 1 House 11 RP_H11 48027.19 4076255.14 648027.194076255.14 120193.71 169.38 240 0 ANNUAL ALL 1 House 12 RP_H12 48065.77 4076359.39 648065.774076359.39 131978.57 173.83 240 0 ANNUAL ALL 1 House 13 RP_H13						1	*	
48659.32 4077241.20 648659.324077241.2 852336.31 205.79 205.79 0 ANNUAL ALL 1 House 1 RP HI 48071.24 4076116.26 648071.244076116.26 122704.69 169.6 240 0 ANNUAL ALL 1 House 10 RP HI0 48247.37 4076278.08 648247.374076278.08 153814.51 184.55 240 0 ANNUAL ALL 1 House 11 RP_HI1 48027.19 4076255.14 648027.194076255.14 120193.71 169.38 240 0 ANNUAL ALL 1 House 12 RP_HI2 48065.77 4076359.39 648065.774076359.39 131978.57 173.83 240 0 ANNUAL ALL 1 House 13 RP_HI3						l 1		
48071.24 4076116.26 648071.244076116.26 122704.69 169.6 240 0 ANNUAL ALL 1 House 10 RP H10 48247.37 4076278.08 648247.374076278.08 153814.51 184.55 240 0 ANNUAL ALL 1 House 11 RP_H11 48027.19 4076255.14 648027.194076255.14 120193.71 169.38 240 0 ANNUAL ALL 1 House 12 RP_H12 48065.77 4076359.39 648065.774076359.39 131978.57 173.83 240 0 ANNUAL ALL 1 House 13 RP_H13						I	*	
48247.37 4076278.08 648247.374076278.08 153814.51 184.55 240 0 ANNUAL ALL 1 House 11 RP_H11 48027.19 4076255.14 648027.194076255.14 120193.71 169.38 240 0 ANNUAL ALL 1 House 12 RP_H12 48065.77 4076359.39 648065.774076359.39 131978.57 173.83 240 0 ANNUAL ALL 1 House 13 RP_H13						I		
48027.19 4076255.14 648027.194076255.14 120193.71 169.38 240 0 ANNUAL ALL 1 House 12 RP_H12 48065.77 4076359.39 648065.774076359.39 131978.57 173.83 240 0 ANNUAL ALL 1 House 13 RP_H13						1		
48065.77 4076359.39 648065.774076359.39 131978.57 173.83 240 0 ANNUAL ALL 1 House 13 RP_H13						1		
						1		
48138.68 4076399.80 648138.684076399.8 146038.93 178.22 240 0 ANNUAL ALL 1 House 14 RP_H14						1		
	648138.68 4076399.80 648138.684076399.8	146038.93	178.22	240	0 ANNUAL ALL	1	House 14	RP_H14

09/01/21

09/01/21

* AERMET (21112): 2020

14:22:32

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X Y X&Y			ZHILL	ZFLAG AVE	GRP	NUM YRS NET ID	Description	ID
648254.71 4076411.38 648254.714076411.38		191.28	240	0 ANNUAL		1	House 15	RP H15
647877.81 4076365.37 647877.814076365.37		165.39	240	0 ANNUAL		1	House 16	RP H16
647520.00 4076206.00 6475204076206	74401.22	159	159	0 ANNUAL		1	House 17	RP H17
647921.00 4076247.13 6479214076247.13	107924.67	164	240	0 ANNUAL		1	House 18	RP H18
647708.78 4076351.65 647708.784076351.65		163.52	163.52	0 ANNUAL		1	House 19	RP H19
648371.71 4075470.41 648371.714075470.41		173.69	227	0 ANNUAL		1	House 2	RP H2
647703.58 4076251.07 647703.584076251.07		162.17	162.17	0 ANNUAL		1	House 20	RP H20
647718.77 4076103.98 647718.774076103.98		159.35	159.35	0 ANNUAL		1	House 21	RP H21
647843.32 4076124.94 647843.324076124.94	99824.94	163	234	0 ANNUAL		1	House 22	RP H22
647842.26 4076500.39 647842.264076500.39		167.93	167.93	0 ANNUAL		1	House 23	RP H23
647727.75 4076644.22 647727.754076644.22		164.15	164.15	0 ANNUAL		1	House 24	RP H24
647823.91 4076643.73 647823.914076643.73		168.29	168.29	0 ANNUAL		1	House 25	RP H25
647530.00 4076497.00 6475304076497	81720.70	159.56	159.56	0 ANNUAL		1	House 26	RP H26
647810.11 4076853.73 647810.114076853.73		162.9	162.9	0 ANNUAL		1	House 27	RP H27
647697.48 4076989.26 647697.484076989.26		161.42	162.9	0 ANNUAL		1	House 28	RP H28
	145215.73	183.22	240	0 ANNUAL		1	House 28	RP_H28 RP_H29
648225.50 4076181.52 648225.54076181.52						<u> </u>		
647678.23 4075969.18 647678.234075969.18		159.5	159.5	0 ANNUAL		1	House 3	RP_H3
645876.32 4077487.41 645876.324077487.41		127.13	142	0 ANNUAL		1	House 30	RP_H30
650902.00 4076062.00 6509024076062	459290.86	215.24	287	0 ANNUAL		1	House 31	RP_H31
651490.00 4076597.00 6514904076597	174975.95	205.5	813	0 ANNUAL		1	House 32	RP_H32
651565.00 4077067.00 6515654077067	127119.18	213.93	813	0 ANNUAL		1	House 33	RP_H33
648672.77 4075306.77 648672.774075306.77		225.91	227	0 ANNUAL		1	House 34	RP_H34
648383.60 4075469.08 648383.64075469.08	99731.45	174.44	227	0 ANNUAL		1	House 35	RP_H35
646379.37 4077232.58 646379.374077232.58		146	146	0 ANNUAL		1	House 36	RP_H36
651849.72 4075865.15 651849.724075865.15		201.97	333	0 ANNUAL		1	House 37	RP_H37
652045.49 4076210.24 652045.494076210.24		196.88	813	0 ANNUAL		1	House 38	RP_H38
652255.69 4076390.67 652255.694076390.67	108974.97	197.06	813	0 ANNUAL	ALL	1	House 39	RP_H39
647815.25 4075985.43 647815.254075985.43	95225.26	162.04	162.04	0 ANNUAL	ALL	1	House 4	RP_H4
646853.73 4077372.88 646853.734077372.88	85358.28	145.99	145.99	0 ANNUAL	ALL	1	House 40	RP_H40
647050.21 4077359.57 647050.214077359.57	98084.27	145	145	0 ANNUAL	ALL	1	House 41	RP_H41
647286.42 4077474.40 647286.424077474.4	124082.49	149.68	153	0 ANNUAL	ALL	1	House 42	RP_H42
647359.05 4077339.84 647359.054077339.84	124997.92	154.45	159	0 ANNUAL	ALL	1	House 43	RP_H43
647490.41 4077328.53 647490.414077328.53	140298.45	162.28	162.28	0 ANNUAL	ALL	1	House 44	RP_H44
647522.17 4077251.76 647522.174077251.76	138744.09	164.3	164.3	0 ANNUAL	ALL	1	House 45	RP H45
647517.82 4077138.85 647517.824077138.85	130565.88	164.01	164.01	0 ANNUAL	ALL	1	House 46	RP H46
646819.01 4077258.40 646819.014077258.4	76816.71	151.53	152	0 ANNUAL	ALL	1	House 47	RP H47
646778.72 4077127.63 646778.724077127.63	68940.17	158.51	158.51	0 ANNUAL		1	House 48	RP H48
646987.26 4077213.10 646987.264077213.1	85182.95	146.44	146.44	0 ANNUAL		1	House 49	RP H49
647898.20 4076032.80 647898.24076032.8	103361.38	163.83	237	0 ANNUAL		1	House 5	RP H5
647241.77 4077226.51 647241.774077226.51		154.85	154.85	0 ANNUAL		1	House 50	RP H50
646773.05 4077063.03 646773.054077063.03	67554.60	159	159	0 ANNUAL		1	House 51	RP H51
647104.37 4077117.93 647104.374077117.93	87902.36	148.99	148.99	0 ANNUAL		1	House 52	RP H52
647291.90 4077123.08 647291.94077123.08	104319.96	158.62	158.62	0 ANNUAL		1	House 53	RP H53
646765.24 4076977.94 646765.244076977.94		158.67	158.67	0 ANNUAL		1	House 54	RP H54
646995.65 4076983.80 646995.654076983.8	76001.88	152.34	152.34	0 ANNUAL		1	House 55	RP H55
040773.03 40/0763.60 040773.0340/0983.8	/0001.88	132.34	132.34	UAININUAL	ALL	1	House 33	Kr_H33

* AERMET (21112): 2020

14:22:32

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y X&Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG AVE	GRP	NUM YRS NET ID	Description	ID
647317.21	4077030.98 647317.214077030.9	8 99718.28	160.22	160.22	0 ANNUAL	ALL	1	House 56	RP_H56
647398.39	4077013.06 647398.394077013.0	6 105856.41	161.26	161.26	0 ANNUAL	ALL	1	House 57	RP_H57
646978.93	4076903.58 646978.934076903.5	8 72224.53	156.81	156.81	0 ANNUAL	ALL	1	House 58	RP_H58
647015.19	4076807.16 647015.194076807.1	6 69903.09	156.21	156.21	0 ANNUAL	ALL	1	House 59	RP_H59
648045.44	4076017.78 648045.444076017.7	8 113167.88	168.26	240	0 ANNUAL	ALL	1	House 6	RP_H6
647163.96	4076802.21 647163.964076802.2	1 77542.84	154.38	154.38	0 ANNUAL	ALL	1	House 60	RP_H60
647310.58	3 4076940.38 647310.584076940.3	8 93263.10	162.49	162.49	0 ANNUAL	ALL	1	House 61	RP_H61
647298.09	4076805.15 647298.094076805.1	5 85961.15	158	158	0 ANNUAL	ALL	1	House 62	RP_H62
647446.56	6 4076899.85 647446.564076899.8	5 101309.61	159.45	159.45	0 ANNUAL	ALL	1	House 63	RP_H63
647464.49	4076780.74 647464.494076780.7	4 97361.36	159.32	159.32	0 ANNUAL	ALL	1	House 64	RP_H64
647512.00	4076536.00 6475124076536	83436.18	159	159	0 ANNUAL	ALL	1	House 65	RP_H65
651131.00	4078767.00 6511314078767	35894.61	179.58	830	0 ANNUAL	ALL	1	House 66	RP_H66
647131.00	4077336.00 6471314077336	103218.53	146.77	146.77	0 ANNUAL	ALL	1	House 67	RP_H67
646798.00	4076740.00 6467984076740	58135.25	156.07	156.07	0 ANNUAL	ALL	1	House 68	RP_H68
646900.00	4076802.00 6469004076802	64453.69	159	159	0 ANNUAL	ALL	1	House 69	RP_H69
648126.33	4075955.37 648126.334075955.3	7 112520.02	171.51	240	0 ANNUAL	ALL	1	House 7	RP_H7
647317.00	4076662.00 6473174076662	81078.16	159.9	159.9	0 ANNUAL	ALL	1	House 70	RP_H70
648249.26	4075969.84 648249.264075969.8	4 127019.48	183.42	240	0 ANNUAL	ALL	1	House 8	RP_H8
648218.58	3 4076108.95 648218.584076108.9	5 139415.77	182.28	240	0 ANNUAL	ALL	1	House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m3$.

08/30/21

* AERMET (21112): 2018

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
645996	4078698	0.00055	220.83	273	1.5	ANNUAL	ALL	1		AQ Monitoring Station	AQ_ST_1	
643903.65	4077719	0.00039	159.45	159.45	1.5	ANNUAL	ALL	1		Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.782	4079416	0.00043	164.3	164.3	1.5	ANNUAL	ALL	1		Dunne Park	CR_PK_1	
642179.095	4079950	0.00042	146	146	1.5	ANNUAL	ALL	1		Vista Park Hill Park	CR_PK_2	
644733.142	4078753	0.00051	162.9	162.9	1.5	ANNUAL	ALL	1		Las Brisas Park	CR_PK_3	
645608.808	4078854	0.00052	156.78	166	1.5	ANNUAL	ALL	1		Frank Klauer Memorial Park	CR_PK_4	
644238.054	4078807	0.0005	151.56	151.56	1.5	ANNUAL	ALL	1		Veterans Memorial Park	CR_PK_5	
645311.476	4076559	0.00025	213.93	813	1.5	ANNUAL	ALL	1		Park 6	CR_PK_6	
649581.689		0.00026	146.76	146.76	1.5	ANNUAL	ALL	1		Park 7	CR_PK_7	
645145.11	4077181	0.00036	144.65	144.65	1.5	ANNUAL	ALL	1		Cerra Vista Elem School	CR_SC_1	
642904.712	4079955	0.0004	147.25	147.25	1.5	ANNUAL	ALL	1		San Andreas Continuation	CR_SC_10	
645850.678	4074015	0.00007	149.68	153	1.5	ANNUAL	ALL	1		SouthSide School	CR_SC_11	
642105.679	4078176	0.00035	142.28	142.28	1.5	ANNUAL	ALL	1		School 12	CR_SC_12	
646058.93	4078443	0.00057	127.22	127.22	1.5	ANNUAL	ALL	1		Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.00013	223.42	273	1.5	ANNUAL	ALL	1		Future School	CR_SC_14	School 2
644109.6	4078389	0.0005	158	158	1.5	ANNUAL	ALL	1		Sunnyslope Elem School	CR_SC_2	
643920.12	4077304	0.0003	158.62	158.62	1.5	ANNUAL	ALL	1		Hollister Montessori School	CR_SC_3	
642961.07	4078621	0.00045	162.28	162.28	1.5	ANNUAL	ALL	1		Rancho San Justo Middle School	CR_SC_4	
643980.02	4079743	0.00043	174.44	227	1.5	ANNUAL	ALL	1		Marguerite Maze Middle School	CR_SC_5	
641630.17	4079153	0.00041	169.05	169.05	1.5	ANNUAL	ALL	1		Hollister Prep Schoo	CR_SC_6	
643350.03	4077181	0.00027	159.35	159.35	1.5	ANNUAL	ALL	1		Ladd Lane Elementary School	CR_SC_7	
644002.96	4080079	0.00042	163.13	240	1.5	ANNUAL	ALL	1		Gabilan Hills Elementary School	CR_SC_8	
642244.858		0.00039	151.56	151.56	1.5	ANNUAL	ALL	1		San Benito High School	CR_SC_9	
642083.447	4079794	0.00042	158.67	158.67	1.5	ANNUAL	ALL	1		Jovenes De Antano	CR_SR_1	
646402	4076879	0.00039	159.32	159.32	1.5	ANNUAL	ALL	1		Workplace	CR_WP_1	MEIW
648949	4077938	0.00031	222.46	263	1.5	ANNUAL	ALL	1		Nearest Workplace	CR_WP_2	
647744	4079173	0.00044	216.5	290	1.5	ANNUAL	ALL	1		Grid Receptor 1	G1	
647744	4075573	0.00013	249.9	813	1.5	ANNUAL	ALL	1		Grid Receptor 10	G10	
651344	4075573	0.00274	181	830	1.5	ANNUAL	ALL	1		Grid Receptor 100	G100	
648144	4079173	0.0003	257.7	257.7	1.5	ANNUAL	ALL	1		Grid Receptor 11	G11	
648144	4078773	0.00042	221.6	259	1.5	ANNUAL	ALL	1		Grid Receptor 12	G12	
648144	4078373	0.00059	253.3	259	1.5	ANNUAL	ALL	1		Grid Receptor 13	G13	
648144	4077973	0.00081	166.6	179	1.5	ANNUAL	ALL	1		Grid Receptor 14	G14	
648144	4077573	0.00095	146.33	153	1.5	ANNUAL	ALL	1		Grid Receptor 15	G15	
648144	4077173	0.00124	85	85	1.5	ANNUAL	ALL	1		Grid Receptor 16	G16	
648144	4076773	0.00106	98.2	98.2	1.5	ANNUAL	ALL	1		Grid Receptor 17	G17	
648144	4076373	0.00034	222.37	260	1.5	ANNUAL	ALL	1		Grid Receptor 18	G18	
648144	4075973	0.00019	248.4	826	1.5	ANNUAL	ALL	1		Grid Receptor 19	G19	
647744	4078773	0.00057	215.3	251	1.5	ANNUAL	ALL	1		Grid Receptor 2	G2	

08/30/21

* AERMET (21112): 2018

07:51:12

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		3(171,1 13.3),3(171,1 0.2)									
X	Y	AVERAGE CONC	ZELEV	ZHILL		AVE	GRP	NUM YRS	NET ID	Description	ID
648144	4075573	0.00015	276.5	296	1.5	ANNUAL	ALL	1		Grid Receptor 20	G20
648544	4079173	0.0002	231.4	272	1.5	ANNUAL	ALL	1		Grid Receptor 21	G21
648544	4078773	0.00025	211.7	266	1.5	ANNUAL	ALL	1		Grid Receptor 22	G22
648544	4078373	0.00035	220.2	263	1.5	ANNUAL	ALL	1		Grid Receptor 23	G23
648544	4077973	0.00061	175.4	175.4	1.5	ANNUAL	ALL	1		Grid Receptor 24	G24
648544	4077573	0.00105	189.45	259	1.5	ANNUAL	ALL	1		Grid Receptor 25	G25
648544	4077173	0.00146	98.22	98.22	1.5	ANNUAL	ALL	1		Grid Receptor 26	G26
648544	4076773	0.00231	101.23	101.23	1.5	ANNUAL	ALL	1		Grid Receptor 27	G27
648544	4076373	0.00061	233.6	259	1.5	ANNUAL	ALL	1		Grid Receptor 28	G28
648544	4075973	0.00024	213.2	826	1.5	ANNUAL	ALL	1		Grid Receptor 29	G29
647744	4078373	0.00069	229	253	1.5	ANNUAL	ALL	1		Grid Receptor 3	G3
648544	4075573	0.00018	225.6	296	1.5	ANNUAL	ALL	1		Grid Receptor 30	G30
648944	4079173	0.00016	249.4	266	1.5	ANNUAL	ALL	1		Grid Receptor 31	G31
648944	4078773	0.00018	237.7	257	1.5	ANNUAL	ALL	1		Grid Receptor 32	G32
648944	4078373	0.00021	227.2	227.2	1.5	ANNUAL	ALL	1		Grid Receptor 33	G33
648944	4077973	0.0003	177.1	240	1.5	ANNUAL	ALL	1		Grid Receptor 34	G34
648944	4077573	0.00057	155.2	155.2	1.5	ANNUAL	ALL	1		Grid Receptor 35	G35
648944	4076373	0.00066	249.54	259	1.5	ANNUAL	ALL	1		Grid Receptor 38	G38
648944	4075973	0.00033	213.6	813	1.5	ANNUAL	ALL	1		Grid Receptor 39	G39
647744	4077973	0.00075	158.3	181	1.5	ANNUAL	ALL	1		Grid Receptor 4	G4
648944	4075573	0.00021	219.8	267	1.5	ANNUAL	ALL	1		Grid Receptor 40	G40
649344	4079173	0.00015	164.7	164.7	1.5	ANNUAL	ALL	1		Grid Receptor 41	G41
649344	4078773	0.00016	158.4	171	1.5	ANNUAL	ALL	1		Grid Receptor 42	G42
649344	4078373	0.0002	163.8	171	1.5	ANNUAL	ALL	1		Grid Receptor 43	G43
649344	4077973	0.00027	178	240	1.5	ANNUAL	ALL	1		Grid Receptor 44	G44
649344	4077573	0.00105	160	160	1.5	ANNUAL	ALL	1		Grid Receptor 45	G45
649344	4076373	0.00436	123.85	123.85	1.5	ANNUAL	ALL	1		Grid Receptor 48	G48
649344	4075973	0.00092	203.5	813	1.5	ANNUAL	ALL	1		Grid Receptor 49	G49
647744	4077573	0.00089	87.58	127	1.5	ANNUAL	ALL	1		Grid Receptor 5	G5
649344	4075573	0.00043	209.2	273	1.5	ANNUAL	ALL	1		Grid Receptor 50	G50
649744	4079173	0.00016	242.37	290	1.5	ANNUAL	ALL	1		Grid Receptor 51	G51
649744	4078773	0.00018	204.2	300	1.5	ANNUAL	ALL	1		Grid Receptor 52	G52
649744	4078373	0.00019	205.5	300	1.5	ANNUAL	ALL	1		Grid Receptor 53	G53
649744	4077973	0.00023	173	240	1.5	ANNUAL	ALL	1		Grid Receptor 54	G54
649744	4077573	0.00029	252.9	252.9	1.5	ANNUAL	ALL	1		Grid Receptor 55	G55
649744	4076373	0.00932	133	133	1.5	ANNUAL	ALL	1		Grid Receptor 58	G58
649744	4075973	0.0067	205.6	220	1.5	ANNUAL	ALL	1		Grid Receptor 59	G59
647744	4077173	0.00099	105.68	105.68	1.5	ANNUAL	ALL	1		Grid Receptor 6	G6
649744	4075573	0.00135	216.6	287	1.5	ANNUAL	ALL	1		Grid Receptor 60	G60
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08/30/21

* AERMET (21112): 2018

07:51:12

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

TOTAL		3(174,1 13.3),3(174,1 0.2)	,=11,110,=11,1	10,211,1010,2	221,210)					
X	Y	AVERAGE CONC	ZELEV	ZHILL		AVE	GRP	NUM YRS NE		ID
650144	4079173	0.00014	197.16	227	1.5	ANNUAL	ALL	1	Grid Receptor 61	G61
650144	4078773	0.00015	173	830	1.5	ANNUAL	ALL	1	Grid Receptor 62	G62
650144	4078373	0.00018	176.1	830	1.5	ANNUAL	ALL	1	Grid Receptor 63	G63
650144	4077973	0.00021	145.4	145.4	1.5	ANNUAL	ALL	1	Grid Receptor 64	G64
650144	4077573	0.00095	85.12	85.12	1.5	ANNUAL	ALL	1	Grid Receptor 65	G65
650144	4076373	0.00406	86	86	1.5	ANNUAL	ALL	1	Grid Receptor 68	G68
650144	4075973	0.00682	205.8	269	1.5	ANNUAL	ALL	1	Grid Receptor 69	G69
647744	4076773	0.00068	158	158	1.5	ANNUAL	ALL	1	Grid Receptor 7	G7
650144	4075573	0.00318	160.7	160.7	1.5	ANNUAL	ALL	1	Grid Receptor 70	G70
650544	4079173	0.00014	95.25	95.25	1.5	ANNUAL	ALL	1	Grid Receptor 71	G71
650544	4078773	0.00015	171	830	1.5	ANNUAL	ALL	1	Grid Receptor 72	G72
650544	4078373	0.00018	195	813	1.5	ANNUAL	ALL	1	Grid Receptor 73	G73
650544	4077973	0.00032	117.99	117.99	1.5	ANNUAL	ALL	1	Grid Receptor 74	G74
650544	4077573	0.00145	165.9	165.9	1.5	ANNUAL	ALL	1	Grid Receptor 75	G75
650544	4076373	0.00518	123	313	1.5	ANNUAL	ALL	1	Grid Receptor 78	G78
650544	4075973	0.00265	183.61	227	1.5	ANNUAL	ALL	1	Grid Receptor 79	G79
647744	4076373	0.0003	221.29	259	1.5	ANNUAL	ALL	1	Grid Receptor 8	G8
650544	4075573	0.00689	243.2	289	1.5	ANNUAL	ALL	1	Grid Receptor 80	G80
650944	4079173	0.00014	134.61	134.61	1.5	ANNUAL	ALL	1	Grid Receptor 81	G81
650944	4078773	0.00016	204.6	813	1.5	ANNUAL	ALL	1	Grid Receptor 82	G82
650944	4078373	0.00021	106.44	106.44	1.5	ANNUAL	ALL	1	Grid Receptor 83	G83
650944	4077973	0.00069	160.9	813	1.5	ANNUAL	ALL	1	Grid Receptor 84	G84
650944	4077573	0.00191	159.6	159.6	1.5	ANNUAL	ALL	1	Grid Receptor 85	G85
650944	4077173	0.00076	87	87	1.5	ANNUAL	ALL	1	Grid Receptor 86	G86
650944	4076773	0.00149	92	92	1.5	ANNUAL	ALL	1	Grid Receptor 87	G87
650944	4076373	0.00173	91	91	1.5	ANNUAL	ALL	1	Grid Receptor 88	G88
650944	4075973	0.0017	254.01	257	1.5	ANNUAL	ALL	1	Grid Receptor 89	G89
647744	4075973	0.00018	214.3	830	1.5	ANNUAL	ALL	1	Grid Receptor 9	G9
650944	4075573	0.00269	191	830	1.5	ANNUAL	ALL	1	Grid Receptor 90	G90
651344	4079173	0.00015	159.96	318	1.5	ANNUAL	ALL	1	Grid Receptor 91	G91
651344	4078773	0.00018	112.86	112.86	1.5	ANNUAL	ALL	1	Grid Receptor 92	G92
651344	4078373	0.00026	196.1	227	1.5	ANNUAL	ALL	1	Grid Receptor 93	G93
651344	4077973	0.00063	200.5	221	1.5	ANNUAL	ALL	1	Grid Receptor 94	G94
651344	4077573	0.00043	146.2	146.2	1.5	ANNUAL	ALL	1	Grid Receptor 95	G95
651344	4077173	0.00079	90.17	90.17	1.5	ANNUAL	ALL	1	Grid Receptor 96	G96
651344	4076773	0.00122	88	88	1.5	ANNUAL	ALL	1	Grid Receptor 97	G97
651344	4076373	0.00135	128.52	128.52	1.5	ANNUAL	ALL	1	Grid Receptor 98	G98
651344	4075973	0.00133	235.3	259	1.5	ANNUAL	ALL	1	Grid Receptor 99	G99
648584.24	4077523	0.0011	222.1	249	1.5	ANNUAL	ALL	1	Boundary Perimeter 1	P1
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08/30/21

* AERMET (21112): 2018

07:51:12

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

Heart Hear	X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS 1	NET ID Description ID	
64984.03 4077549 0.00039 257.58 296 1.5 ANNUAL ALL 1 Boundary Perimeter 12 P12									1		
649784 4077540 0.0003 205.17 264 1.5 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077541 0.00029 202.16 264 1.5 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542 0.00034 196.38 264 1.5 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077543 0.00066 221.41 221.41 1.5 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077544 0.00101 195.87 264 1.5 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077548 0.00114 196.32 264 1.5 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.97 4077559 0.0011 192.42 263 1.5 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.97 4077559 0.00018 192.46 250 1.5 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 4077552 0.00058 192.46 250 1.5 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 4077552 0.00017 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 4077555 0.00167 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 2 P2 650976.81 4077554 0.0016 191.63 250 1.5 ANNUAL ALL 1 Boundary Perimeter 2 P2 650683.75 4077557 0.00136 186.32 250 1.5 ANNUAL ALL 1 Boundary Perimeter 2 P21 65076.81 4077554 0.0017 179.81 250 1.5 ANNUAL ALL 1 Boundary Perimeter 2 P22 65076.81 4077554 0.0017 179.81 250 1.5 ANNUAL ALL 1 Boundary Perimeter 2 P23 65078.81 4077554 0.0018 176.23 250 1.5 ANNUAL ALL 1 Boundary Perimeter 2 P24 65078.14 4077554 0.0018 176.23 250 1.5 ANNUAL ALL 1 Boundary Perimeter 2 P25 65078.14 4077554 0.0018 176.23 250 1.5 ANNUAL ALL 1 Boundary Perimeter 2 P25 65078.14 4077554 0.0018 176.23 250 1.5 ANNUAL ALL 1 Boundary Perimeter 2 P26 65078.14 4077554 0.0018 180.62 250 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P23 65078.14 4077554 0.0018 180.62									1	<u>*</u>	
649784 4077541 0.00029 202.16 264 1.5 ANNUAL ALL 1 Boundary Perimeter 13 P13											
64983.39 4077542 0.00034 196.38 264 1.5 ANNUAL ALL 1 Boundary Perimeter 14 P14										•	
649983.97 4077543 0.00066 221.41 221.41 1.5 ANNUAL ALL 1 Boundary Perimeter 15 P15										<u> </u>	
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\$60183.91 40775548 0.00114 196.32 264 1.5 ANNUAL ALL 1 Boundary Perimeter 17 P17											\neg
S60283.87 4077550 0.0011 192.42 263 1.5 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552 0.00058 192.46 250 1.5 ANNUAL ALL 1 Boundary Perimeter 19 P19 648684.22 4077552 0.00107 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 2 P2 650483.81 4077554 0.0006 191.63 250 1.5 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077557 0.00136 186.32 250 1.5 ANNUAL ALL 1 Boundary Perimeter 20 P20 65078.75 4077559 0.0012 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077554 0.0017 179.81 250 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.0017 179.81 250 1.5 ANNUAL ALL 1 Boundary Perimeter 23 P23 65078.91 4077354 0.0018 175.02 250 1.5 ANNUAL ALL 1 Boundary Perimeter 23 P24 650781 4077354 0.0018 175.02 250 1.5 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077254 0.00118 180.62 250 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077054 0.00136 183.47 259 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650787.29 4077054 0.00136 183.47 259 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 0.00153 202.88 245 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 64878.419 4077527 0.00096 214.25 227 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650791.48 4076684 0.00215 178.21 259 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650791.48 4076684 0.00215 178.21 259 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 65093.57 4076666 0.00221 175.24 245 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650951.49 4076668 0.00215 175.31 259 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650605.29 4076666 0.00229 175.13 259 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650605.20 4076667										· · · · · · · · · · · · · · · · · · ·	
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64868.4.22 4077525 0.00107 217.03 254 1.5 ANNUAL ALL 1 Boundary Perimeter 2 P2											
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650789.38 4076954 0.00153 202.88 245 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 648784.19 4077527 0.00096 214.25 227 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P3 650791.48 4076854 0.00215 178.21 259 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.00173 176.25 259 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 0.00178 176 259 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 0.00196 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 0.00212 175.13 259 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650460.24									1	<u>*</u>	
648784.19 4077527 0.00096 214.25 227 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P3 650791.48 4076854 0.00215 178.21 259 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.00173 176.25 259 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 0.00178 176 259 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 65060.22 4076650 0.00196 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P33 650561.43 4076650 0.00212 175.24 245 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 0.00229 175.13 259 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650462.72 <				202.88	245				1	<u> </u>	\neg
650791.48 4076854 0.00215 178.21 259 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.00173 176.25 259 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 0.00178 176 259 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 0.00196 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 0.00212 175.24 245 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 0.00229 175.13 259 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 0.00244 230.71 259 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650464.24									1		
650793.57 4076754 0.00173 176.25 259 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 0.00178 176 259 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 0.00196 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 0.00212 175.24 245 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 0.00229 175.13 259 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650462.72 4076682 0.00244 230.71 259 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650464.24 4076683 0.00267 248.08 259 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71									1		\neg
650754.39 4076683 0.00178 176 259 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 0.00196 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 0.00212 175.24 245 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 0.00229 175.13 259 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 0.00244 230.71 259 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 0.00267 248.08 259 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 0.00298 258.43 258.43 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8		4076754	0.00173	176.25	259	1.5			1	· · · · · · · · · · · · · · · · · · ·	
650660.22 4076650 0.00196 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 0.00212 175.24 245 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 0.00229 175.13 259 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 0.00244 230.71 259 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 0.00267 248.08 259 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 0.00298 258.43 258.43 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 4076660 0.00341 127.38 127.38 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 648884.17 <td>650754.39</td> <td>4076683</td> <td>0.00178</td> <td>176</td> <td>259</td> <td>1.5</td> <td></td> <td></td> <td>1</td> <td></td> <td>\neg</td>	650754.39	4076683	0.00178	176	259	1.5			1		\neg
650561.43 4076650 0.00212 175.24 245 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 0.00229 175.13 259 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 0.00244 230.71 259 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 0.00267 248.08 259 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 0.00298 258.43 258.43 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 4076660 0.00341 127.38 127.38 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 648884.17 4077529 0.00073 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 4 P4 649980.44	650660.22	4076650	0.00196	275.91	275.91	1.5	ANNUAL	ALL	1		
650364.01 4076682 0.00244 230.71 259 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 0.00267 248.08 259 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 0.00298 258.43 258.43 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 4076660 0.00341 127.38 127.38 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 648884.17 4077529 0.00073 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 4 P4 649980.44 4076627 0.00411 131.21 131.21 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649852.19 4076474 0.0064 139.18 139.18 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 <td></td> <td>4076650</td> <td>0.00212</td> <td>175.24</td> <td>245</td> <td>1.5</td> <td>ANNUAL</td> <td>ALL</td> <td>1</td> <td>Boundary Perimeter 34 P34</td> <td>\neg</td>		4076650	0.00212	175.24	245	1.5	ANNUAL	ALL	1	Boundary Perimeter 34 P34	\neg
650364.01 4076682 0.00244 230.71 259 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 0.00267 248.08 259 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 0.00298 258.43 258.43 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 4076660 0.00341 127.38 127.38 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 648884.17 4077529 0.00073 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 4 P4 649980.44 4076627 0.00411 131.21 131.21 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649852.19 4076474 0.0064 139.18 139.18 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 <td>650462.72</td> <td>4076666</td> <td>0.00229</td> <td>175.13</td> <td>259</td> <td>1.5</td> <td>ANNUAL</td> <td>ALL</td> <td>1</td> <td>Boundary Perimeter 35 P35</td> <td></td>	650462.72	4076666	0.00229	175.13	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 35 P35	
650164.71 4076674 0.00298 258.43 258.43 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 4076660 0.00341 127.38 127.38 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 648884.17 4077529 0.00073 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 4 P4 649980.44 4076627 0.00411 131.21 131.21 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 4076547 0.00523 135.89 135.89 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19 4076474 0.0064 139.18 139.18 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076417 0.00808 140.76 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076	650364.01	4076682	0.00244	230.71	259	1.5	ANNUAL		1	Boundary Perimeter 36 P36	
650065.8 4076660 0.00341 127.38 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 648884.17 4077529 0.00073 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 4 P4 649980.44 4076627 0.00411 131.21 131.21 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 4076547 0.00523 135.89 135.89 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19 4076474 0.0064 139.18 139.18 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076417 0.00808 140.76 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076375 0.01163 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P44	650264.24	4076683	0.00267	248.08	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 37 P37	
648884.17 4077529 0.00073 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 4 P4 649980.44 4076627 0.00411 131.21 131.21 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 4076547 0.00523 135.89 135.89 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19 4076474 0.0064 139.18 139.18 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076417 0.00808 140.76 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076375 0.01163 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44	650164.71	4076674	0.00298	258.43	258.43	1.5	ANNUAL	ALL	1	Boundary Perimeter 38 P38	
649980.44 4076627 0.00411 131.21 131.21 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 4076547 0.00523 135.89 135.89 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19 4076474 0.0064 139.18 139.18 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076417 0.00808 140.76 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076375 0.01163 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44	650065.8	4076660	0.00341	127.38	127.38	1.5	ANNUAL	ALL	1	Boundary Perimeter 39 P39	
649920.26 4076547 0.00523 135.89 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19 4076474 0.0064 139.18 139.18 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076417 0.00808 140.76 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076375 0.01163 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44	648884.17	4077529	0.00073	214.82	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 4 P4	
649852.19 4076474 0.0064 139.18 139.18 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076417 0.00808 140.76 140.76 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076375 0.01163 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44	649980.44	4076627	0.00411	131.21	131.21	1.5	ANNUAL	ALL	1	Boundary Perimeter 40 P40	
649770.68 4076417 0.00808 140.76 140.76 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076375 0.01163 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44	649920.26	4076547	0.00523	135.89	135.89	1.5	ANNUAL	ALL	1	Boundary Perimeter 41 P41	
649680.48 4076375 0.01163 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44	649852.19	4076474	0.0064	139.18	139.18	1.5			1		
·	649770.68	4076417	0.00808	140.76	140.76	1.5	ANNUAL	ALL	1	Boundary Perimeter 43 P43	
649580.91 4076368 0.01704 143.89 143.89 1.5 ANNUAL ALL 1 Boundary Perimeter 45 P45	649680.48	4076375	0.01163	265.73	281	1.5	ANNUAL	ALL	1	Boundary Perimeter 44 P44	
	649580.91	4076368	0.01704	143.89	143.89	1.5	ANNUAL	ALL	1	Boundary Perimeter 45 P45	

08/30/21

* AERMET (21112): 2018

07:51:12

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

64984.84 4076.894 0.02024		MA1: (A,1X	,3(1X,F13.5),3(1X,F8.2)),2X,A0,2X,F	48,2 <i>X</i> ,18.8,2	2X,A8)							_
64939.5 4076425 0.01257 147.21 147.21 1.5 ANNUAL ALL 1 Boundary Perimeter 47 P47	X						AVE	GRP	NUM YRS 1	NET ID	Description		
64930.5. 4076472	649482.48	4076384	0.02024	145.22	145.22	1.5	ANNUAL	ALL	1		Boundary Perimeter 46	P46	PN
64926.19 4076535 0.00065 127.58 127.58 1.5 ANNUAL ALL 1 Boundary Perimeter 49 P49	649391.59	4076425	0.01257	147.21	147.21	1.5	ANNUAL	ALL	1		Boundary Perimeter 47	P47	
64898.4.1 4077530 0.00055 214.91 264 1.5 ANUAL ALL 1 Boundary Perimeter 5 P5 649156.2 4076605 0.00291 130.56 130.56 1.5 ANUAL ALL 1 Boundary Perimeter 50 P50 649068.25 4076633 0.00385 134.35 134.35 1.5 ANUAL ALL 1 Boundary Perimeter 51 P51 64896.8 4076633 0.00385 251.08 282 1.5 ANUAL ALL 1 Boundary Perimeter 52 P52 648936.53 407659 0.00315 252.83 281 1.5 ANUAL ALL 1 Boundary Perimeter 53 P53 648868.58 4076833 0.00262 246.1 269 1.5 ANUAL ALL 1 Boundary Perimeter 53 P53 648868.58 4076833 0.00262 246.1 269 1.5 ANUAL ALL 1 Boundary Perimeter 54 P54 648797.23 4076902 0.00217 177 830 1.5 ANUAL ALL 1 Boundary Perimeter 55 P55 648710.56 4076952 0.0019 180.9 830 1.5 ANUAL ALL 1 Boundary Perimeter 56 P56 64850.07 4077051 0.00159 236.9 801 1.5 ANUAL ALL 1 Boundary Perimeter 57 P57 64860.07 4077051 0.00159 236.9 801 1.5 ANUAL ALL 1 Boundary Perimeter 58 P58 648680.07 407719 0.00158 261.3 287 1.5 ANUAL ALL 1 Boundary Perimeter 58 P58 648680.07 407719 0.00158 261.3 287 1.5 ANUAL ALL 1 Boundary Perimeter 59 P59 648791.44 4077520 0.0043 214.09 266 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648791.44 4077520 0.0016 250.9 260.9 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648791.44 4077520 0.0016 226.7 287 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648784.5 4077362 0.00115 164 164 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648784.5 4077362 0.00115 164 164 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648784.5 4077362 0.00115 164 164 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648784.8 4077362 0.00115 164 164 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648784.8 4077362 0.00115 164 164 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648784.8 4077362 0.00115 164 164 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648784.8 4077362 0.00115 164 164 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648784.8 4077362 0.00115 164 164 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648784.8 4077362 0.00115 164 164 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648784.8 4077363 0.0012 178.4 830 1.5 ANUAL ALL 1 Boundary Perimeter 6 P6 648784.8 4077363 0.00061 171.51 240 1.5 ANUAL ALL 1 Boundary Perimeter 7 P7	649303.5	4076472	0.00134	148.3	160	1.5	ANNUAL	ALL	1		Boundary Perimeter 48	P48	
64916.52 4076605 0.00291 130.56 130.56 130.55 1.5 ANNUAL ALL 1 Boundary Perimeter 50 P50	649226.19	4076535	0.00065	127.58		1.5	ANNUAL	ALL	1		Boundary Perimeter 49		
649968.25 4076653 0.00388 134.35 134.35 1.5 ANNUAL ALL 1 Boundary Perimeter 51 P51 64898.67 4076711 0.00355 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 52 P52 648936.53 4076799 0.00315 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 53 P53 648868.58 4076833 0.00262 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 54 P54 648797.23 4076902 0.00217 177 830 1.5 ANNUAL ALL 1 Boundary Perimeter 55 P55 648710.56 4076952 0.0019 180.9 830 1.5 ANNUAL ALL 1 Boundary Perimeter 56 P56 64870.96 4076952 0.0019 180.9 830 1.5 ANNUAL ALL 1 Boundary Perimeter 56 P56 64870.97 4077051 0.00159 236.9 801 1.5 ANNUAL ALL 1 Boundary Perimeter 57 P57 648607.19 4077051 0.00159 236.9 801 1.5 ANNUAL ALL 1 Boundary Perimeter 58 P58 648680.07 4077119 0.00158 261.3 287 1.5 ANNUAL ALL 1 Boundary Perimeter 58 P58 648680.07 4077180 0.0016 260.9 260.9 1.5 ANNUAL ALL 1 Boundary Perimeter 59 P59 64879.24 4077180 0.0016 260.9 260.9 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648791.44 4077362 0.0015 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648791.44 4077362 0.0015 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648791.44 4077362 0.0015 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 64879.44 4077362 0.0015 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648891.35 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648591.35 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648586.93 4077371 0.00122 178.4 830 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P62 648691.25 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648586.94 4077383 0.00061 171.51 240 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 649184.09 4077534 0.00014 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P66 649184.09 4077534 0.00012 178.4 830 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P66 649184.09 4077534 0.00061 171.51 240 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P66 649184.09 4077534 0.00061 171.51 240 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P66 649184.09 4077534 0.00061 171.51 240 1.5 ANNUAL ALL 1 Boundary Perimeter	648984.14	4077530	0.00055	214.91	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 5	P5	
648936.7 4076711 0.00355 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 52 P52 648936.33 4076799 0.00315 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 53 P53 64868.58 4076833 0.00262 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 54 P54 648797.23 4076902 0.00217 177 830 1.5 ANNUAL ALL 1 Boundary Perimeter 55 P55 648607.9 4076952 0.0019 180.9 830 1.5 ANNUAL ALL 1 Boundary Perimeter 56 P56 648620.79 4076969 0.00172 196.6 830 1.5 ANNUAL ALL 1 Boundary Perimeter 57 P57 648607.19 4077051 0.00159 236.9 801 1.5 ANNUAL ALL 1 Boundary Perimeter 58 P58 648680.07 4077051 0.00159 236.9 801 1.5 ANNUAL ALL 1 Boundary Perimeter 58 P58 649084.12 4077532 0.00043 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P56 648750.24 4077180 0.0016 260.9 260.9 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P6 648791.44 4077262 0.00156 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P60 648791.44 4077262 0.00156 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P60 648891.25 4077362 0.00115 164 164 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P60 648891.25 4077362 0.00115 164 164 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P60 648891.25 4077361 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P62 648591.35 4077367 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P63 648586.93 4077367 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648526.94 4077367 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648526.94 4077367 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P66 649184.09 4077534 0.00014 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P66 649184.09 4077536 0.00143 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 67 P66 649384.09 4077373 0.00062 164.44 146.44 1.5 ANNUAL ALL 1 Boundary Perimeter 67 P66 649384.09 4077393 0.00066 171.51 240 1.5 ANNUAL ALL 1 Boundary Perimeter 67 P66 649384.00 4077983 0.00060 171.51 240 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 645934 0.00066 172.89 13.59 13.59 13.59 13.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.50 14.	649156.2	4076605	0.00291	130.56	130.56	1.5	ANNUAL	ALL	1		Boundary Perimeter 50	P50	
64896.53 4076759 0.00315 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 53 P53 648868.58 4076833 0.00262 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 54 P54 648797.23 4076902 0.00217 177 830 1.5 ANNUAL ALL 1 Boundary Perimeter 55 P55 648710.56 4076952 0.0019 180.9 830 1.5 ANNUAL ALL 1 Boundary Perimeter 56 P56 64870.96 4076952 0.0019 180.9 830 1.5 ANNUAL ALL 1 Boundary Perimeter 56 P56 648607.19 4077051 0.00159 236.9 801 1.5 ANNUAL ALL 1 Boundary Perimeter 57 P57 648607.19 4077051 0.00159 236.9 801 1.5 ANNUAL ALL 1 Boundary Perimeter 58 P58 648680.07 4077119 0.00158 261.3 287 1.5 ANNUAL ALL 1 Boundary Perimeter 59 P59 64908.412 4077532 0.00043 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 59 P59 648791.44 4077532 0.00043 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648791.44 4077262 0.00156 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648791.44 4077262 0.00115 260.9 260.9 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648791.45 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 61 P61 648591.35 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P62 648691.25 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 63 P63 648591.35 4077357 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 63 P63 648591.35 4077357 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648525.69 4077357 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 65 P65 648586.93 4077430 0.00119 214.8 830 1.5 ANNUAL ALL 1 Boundary Perimeter 67 P65 648586.93 4077357 0.00022 178.4 830 1.5 ANNUAL ALL 1 Boundary Perimeter 69 P66 649184.09 4077536 0.00143 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 69 P66 649184.09 4077536 0.00143 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 69 P66 649184.09 4077536 0.00143 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 9 P9 646303 4077983 0.00066 171.51 240 1.5 ANNUAL ALL 1 New Development RP G1 64630 4077983 0.00066 171.51 240 1.5 ANNUAL ALL 1 New Development RP G1 64630 4077983 0.00066 171.51 142 1.5 ANNUAL ALL 1 New Development RP G1 64630 407798	649068.25	4076653	0.00385	134.35	134.35	1.5	ANNUAL	ALL	1		Boundary Perimeter 51	P51	
648868.88 d)76833 0.00262 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 54 P54 64879.23 4076902 0.00217 177 830 1.5 ANNUAL ALL 1 Boundary Perimeter 56 P55 64870.56 4076952 0.0017 180.9 830 1.5 ANNUAL ALL 1 Boundary Perimeter 56 P56 64860.79 4077051 0.00159 236.9 801 1.5 ANNUAL ALL 1 Boundary Perimeter 57 P57 64860.719 4077151 0.00158 261.3 287 1.5 ANNUAL ALL 1 Boundary Perimeter 58 P58 64880.07 4077119 0.00158 261.3 287 1.5 ANNUAL ALL 1 Boundary Perimeter 59 P59 64908412 4077362 0.0016 260.9 260.9 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648791.42 4077362	648986.7	4076711	0.00355	251.08	282	1.5	ANNUAL	ALL	1		Boundary Perimeter 52	P52	7
64879.7.23 4076902 0.00217 117 830 1.5 ANNUAL ALL 1 Boundary Perimeter 55 P55 648710.56 4076952 0.0019 180.9 830 1.5 ANNUAL ALL 1 Boundary Perimeter 56 P56 648620.79 4076996 0.00172 196.6 830 1.5 ANNUAL ALL 1 Boundary Perimeter 57 P57 64860.71 4077051 0.00159 236.9 801 1.5 ANNUAL ALL 1 Boundary Perimeter 58 P58 648680.07 4077119 0.00158 261.3 287 1.5 ANNUAL ALL 1 Boundary Perimeter 58 P58 649084.12 4077532 0.00043 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P6 648759.24 4077180 0.0016 260.9 260.9 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P6 648791.44 4077262 0.00156 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 61 P61 648788.45 4077362 0.00115 164 164 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P62 648691.25 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P62 648591.35 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 63 P63 648591.35 4077367 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648525.69 4077371 0.00122 178.4 830 1.5 ANNUAL ALL 1 Boundary Perimeter 65 P65 648586.93 4077430 0.00119 214.8 830 1.5 ANNUAL ALL 1 Boundary Perimeter 65 P65 648586.93 4077430 0.00119 214.8 830 1.5 ANNUAL ALL 1 Boundary Perimeter 66 P66 648784.06 4077535 0.0008 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 649284.08 4077535 0.0006 216.44 16.44 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 649284.08 4077535 0.0006 171.51 240 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 649384.06 4077983 0.0006 156.81 156.81 1.5 ANNUAL ALL 1 New Development RP G1 64630 4077983 0.0006 132.89 132.89 1.5 ANNUAL ALL 1 New Development RP G1 646630 4077983 0.00066 132.89 132	648936.53	4076759	0.00315	252.83	281	1.5	ANNUAL	ALL	1		Boundary Perimeter 53	P53	
648710.56 4076952 0.0019 180.9 830 1.5 ANNUAL ALL 1 Boundary Perimeter 56 P56 648620.79 40776996 0.00172 196.6 830 1.5 ANNUAL ALL 1 Boundary Perimeter 57 P57	648868.58	4076833	0.00262	246.1	269	1.5	ANNUAL	ALL	1		Boundary Perimeter 54	P54	
648620.79	648797.23	4076902	0.00217	177	830	1.5	ANNUAL	ALL	1		Boundary Perimeter 55	P55	
648607.19 4077051 0.00159 236.9 801 1.5 ANNUAL ALL 1 Boundary Perimeter 58 P58 648680.07 4077119 0.00158 261.3 287 1.5 ANNUAL ALL 1 Boundary Perimeter 59 P59 64808.12 4077180 0.00043 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648759.24 4077180 0.0016 260.9 260.9 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648781.44 4077262 0.00115 164 164 1.5 ANNUAL ALL 1 Boundary Perimeter 61 P61 648781.45 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 63 P63 648591.55 4077357 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648525.95 40	648710.56	4076952	0.0019	180.9	830	1.5	ANNUAL	ALL	1		Boundary Perimeter 56	P56	
648680.07 4077119 0.00158 261.3 287 1.5 ANNUAL ALL 1 Boundary Perimeter 59 P59 64908.4.12 4077532 0.00043 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648759.24 4077180 0.00156 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 61 P61 648789.24 4077362 0.00156 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 61 P61 648789.25 0.0015 164 164 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P62 648591.25 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P62 648591.35 4077371 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648525.69 4077371 0.	648620.79	4076996	0.00172	196.6	830	1.5	ANNUAL	ALL	1		Boundary Perimeter 57	P57	
649084.12 4077532 0.00043 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P6 648759.24 4077180 0.0016 260.9 260.9 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 64879.44 4077262 0.00156 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 61 P61 64879.45 4077362 0.00115 164 164 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P62 648591.25 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 63 P63 648525.69 4077371 0.00122 178.4 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648525.69 4077373 0.00119 214.8 830 1.5 ANNUAL ALL 1 Boundary Perimeter 65 P65 648586.93 40773	648607.19	4077051	0.00159	236.9	801	1.5	ANNUAL	ALL	1		Boundary Perimeter 58	P58	7
648759.24 4077180 0.0016 260.9 260.9 1.5 ANNUAL ALL 1 Boundary Perimeter 60 P60 648791.44 4077262 0.00156 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 61 P61 648788.45 4077362 0.00115 164 164 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P62 648691.25 4077351 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648525.69 4077371 0.00122 178.4 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648525.69 3077430 0.0019 214.8 830 1.5 ANNUAL ALL 1 Boundary Perimeter 65 P65 648525.69 3077371 0.00014 211.5 266 1.5 ANNUAL ALL 1 Boundary Perimeter 66 P66 649184.09 407	648680.07	4077119	0.00158	261.3	287	1.5	ANNUAL	ALL	1		Boundary Perimeter 59	P59	
648791.44 4077262 0.00156 226.7 287 1.5 ANNUAL ALL 1 Boundary Perimeter 61 P61 648788.45 4077362 0.00115 164 164 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P62 648691.25 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 63 P63 648591.35 4077371 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648525.69 4077371 0.00122 178.4 830 1.5 ANNUAL ALL 1 Boundary Perimeter 65 P65 648586.93 4077430 0.00119 214.8 830 1.5 ANNUAL ALL 1 Boundary Perimeter 66 P66 649184.09 4077534 0.00041 2215.3 266 1.5 ANNUAL ALL 1 Boundary Perimeter 69 P69 649384.06 40	649084.12	4077532	0.00043	214.09	266	1.5	ANNUAL	ALL	1		Boundary Perimeter 6	P6	7
648788.45 4077362 0.00115 164 164 1.5 ANNUAL ALL 1 Boundary Perimeter 62 P62 648691.25 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 63 P63 648591.35 4077357 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648525.69 4077371 0.00122 178.4 830 1.5 ANNUAL ALL 1 Boundary Perimeter 65 P65 648586.93 4077430 0.00119 214.8 830 1.5 ANNUAL ALL 1 Boundary Perimeter 66 P66 649184.09 4077534 0.00041 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 649284.08 4077535 0.0008 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 649384.06 407798	648759.24	4077180	0.0016	260.9	260.9	1.5	ANNUAL	ALL	1		Boundary Perimeter 60	P60	
648691.25 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 63 P63 648591.35 4077357 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648525.69 4077371 0.00122 178.4 830 1.5 ANNUAL ALL 1 Boundary Perimeter 65 P65 648586.93 4077430 0.00119 214.8 830 1.5 ANNUAL ALL 1 Boundary Perimeter 66 P66 649184.09 4077534 0.00041 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P66 649184.09 4077535 0.0008 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 649284.08 4077536 0.00143 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P66 645930 407798	648791.44	4077262	0.00156	226.7	287	1.5	ANNUAL	ALL	1		Boundary Perimeter 61	P61	7
648691.25 4077361 0.00126 268.2 287 1.5 ANNUAL ALL 1 Boundary Perimeter 63 P63 648591.35 4077357 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648526.69 4077371 0.00122 178.4 830 1.5 ANNUAL ALL 1 Boundary Perimeter 65 P65 648586.93 4077430 0.00119 214.8 830 1.5 ANNUAL ALL 1 Boundary Perimeter 66 P66 649184.09 4077534 0.00041 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 6 P66 649284.08 4077535 0.0008 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 649284.08 4077536 0.00143 208.52 264 1.5 ANNUAL ALL 1 New Development RP G1 645930 4077983 </td <td>648788.45</td> <td>4077362</td> <td>0.00115</td> <td>164</td> <td>164</td> <td>1.5</td> <td>ANNUAL</td> <td>ALL</td> <td>1</td> <td></td> <td>Boundary Perimeter 62</td> <td>P62</td> <td></td>	648788.45	4077362	0.00115	164	164	1.5	ANNUAL	ALL	1		Boundary Perimeter 62	P62	
648591.35 4077357 0.00127 181.3 830 1.5 ANNUAL ALL 1 Boundary Perimeter 64 P64 648525.69 4077371 0.00122 178.4 830 1.5 ANNUAL ALL 1 Boundary Perimeter 65 P65 648586.93 4077430 0.00119 214.8 830 1.5 ANNUAL ALL 1 Boundary Perimeter 66 P66 649184.09 4077534 0.00041 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 649284.08 4077535 0.0008 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 8 P8 649384.06 4077536 0.00143 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 9 P9 645930 4077983 0.00061 171.51 240 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4077983				268.2	287	1.5	ANNUAL		1			P63	7
648586.93 4077430 0.00119 214.8 830 1.5 ANNUAL ALL 1 Boundary Perimeter 66 P66 649184.09 4077534 0.00041 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 649284.08 4077535 0.0008 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 8 P8 649384.06 4077536 0.00143 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 8 P8 649384.06 4077536 0.00061 171.51 240 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 645930 4077983 0.00061 171.51 240 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4077983 0.00062 146.44 146.44 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4077983	648591.35	4077357	0.00127	181.3	830	1.5	ANNUAL	ALL	1		Boundary Perimeter 64	P64	
649184.09 4077534 0.00041 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 7 P7 649284.08 4077535 0.0008 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 8 P8 649384.06 4077536 0.00143 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 9 P9 645930 4077983 0.00061 171.51 240 1.5 ANNUAL ALL 1 New Development RP_GI 646303 4077983 0.00062 146.44 146.44 1.5 ANNUAL ALL 1 New Development RP_GI 646230 4077983 0.00062 146.44 146.44 1.5 ANNUAL ALL 1 New Development RP_GI 646330 4077983 0.00063 162.04 15.2 ANNUAL ALL 1 New Development RP_GI 646330 4077983 0.00065	648525.69	4077371	0.00122	178.4	830	1.5	ANNUAL	ALL	1		Boundary Perimeter 65	P65	1
649284.08 4077535 0.0008 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 8 P8 649384.06 4077536 0.00143 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 9 P9 645930 4077983 0.00061 171.51 240 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4077983 0.00062 156.81 156.81 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4077983 0.00062 146.44 146.44 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4077983 0.00063 162.04 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4077983 0.00064 127.13 142 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4077983 0.00066 13	648586.93	4077430	0.00119	214.8	830	1.5	ANNUAL	ALL	1		Boundary Perimeter 66	P66	
649284.08 4077535 0.0008 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 8 P8 649384.06 4077536 0.00143 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 9 P9 645930 4077983 0.00061 171.51 240 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4077983 0.00062 156.81 156.81 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4077983 0.00062 146.44 146.44 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4077983 0.00063 162.04 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4077983 0.00064 127.13 142 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4077983 0.00066 13		4077534	0.00041	211.53	266	1.5	ANNUAL	ALL	1		•		1
645930 4077983 0.00061 171.51 240 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4077983 0.00062 156.81 156.81 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4077983 0.00062 146.44 146.44 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4077983 0.00063 162.04 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4077983 0.00064 127.13 142 1.5 ANNUAL ALL 1 New Development RP_G1 646430 4077983 0.00065 169.38 240 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4077983 0.00066 132.89 132.89 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4077983 0.00066 140.02 </td <td></td> <td></td> <td>0.0008</td> <td>210.17</td> <td>266</td> <td>1.5</td> <td>ANNUAL</td> <td></td> <td>1</td> <td></td> <td>`</td> <td></td> <td></td>			0.0008	210.17	266	1.5	ANNUAL		1		`		
645930 4077983 0.00061 171.51 240 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4077983 0.00062 156.81 156.81 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4077983 0.00062 146.44 146.44 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4077983 0.00063 162.04 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4077983 0.00064 127.13 142 1.5 ANNUAL ALL 1 New Development RP_G1 646430 4077983 0.00065 169.38 240 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4077983 0.00066 132.89 132.89 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4077983 0.00066 140.02 </td <td>649384.06</td> <td>4077536</td> <td>0.00143</td> <td>208.52</td> <td>264</td> <td>1.5</td> <td>ANNUAL</td> <td>ALL</td> <td>1</td> <td></td> <td>Boundary Perimeter 9</td> <td>P9</td> <td>7</td>	649384.06	4077536	0.00143	208.52	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 9	P9	7
646030 4077983 0.00062 156.81 156.81 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4077983 0.00062 146.44 146.44 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4077983 0.00063 162.04 162.04 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4077983 0.00064 127.13 142 1.5 ANNUAL ALL 1 New Development RP_G1 64630 4077983 0.00065 169.38 240 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4077983 0.00066 132.89 132.89 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4077983 0.00066 140.02 140.02 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4078083 0.00067		4077983	0.00061	171.51	240	1.5	ANNUAL	ALL	1		New Development	RP G1	
646130 4077983 0.00062 146.44 146.44 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4077983 0.00063 162.04 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4077983 0.00064 127.13 142 1.5 ANNUAL ALL 1 New Development RP_G1 646430 4077983 0.00065 169.38 240 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4077983 0.00066 132.89 132.89 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4077983 0.00066 140.02 140.02 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4077983 0.00067 130.56 1.5 ANNUAL ALL 1 New Development RP_G1 645930 4078083 0.00061 183.42 240 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>•</td> <td></td> <td>7</td>									1		•		7
646230 4077983 0.00063 162.04 162.04 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4077983 0.00064 127.13 142 1.5 ANNUAL ALL 1 New Development RP_G1 646430 4077983 0.00065 169.38 240 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4077983 0.00066 132.89 132.89 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4077983 0.00066 140.02 140.02 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4077983 0.00067 130.56 1.5 ANNUAL ALL 1 New Development RP_G1 645930 4078083 0.0006 183.42 240 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4078083 0.00061 156.21 <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.5</td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td>						1.5			1				
646330 4077983 0.00064 127.13 142 1.5 ANNUAL ALL 1 New Development RP_G1 646430 4077983 0.00065 169.38 240 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4077983 0.00066 132.89 132.89 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4077983 0.00066 140.02 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4077983 0.00067 130.56 1.5 ANNUAL ALL 1 New Development RP_G1 645930 4078083 0.0006 183.42 240 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4078083 0.00061 156.21 156.21 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078083 0.00062 163.83 237			0.00063	162.04	162.04	1.5		ALL	1				7
646430 4077983 0.00065 169.38 240 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4077983 0.00066 132.89 132.89 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4077983 0.00066 140.02 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4077983 0.00067 130.56 1.5 ANNUAL ALL 1 New Development RP_G1 645930 4078083 0.0006 183.42 240 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4078083 0.00061 156.21 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078083 0.00062 163.83 237 1.5 ANNUAL ALL 1 New Development RP_G1			0.00064		142	1.5	ANNUAL		1		<u>.</u>		
646530 4077983 0.00066 132.89 132.89 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4077983 0.00066 140.02 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4077983 0.00067 130.56 130.56 1.5 ANNUAL ALL 1 New Development RP_G1 645930 4078083 0.0006 183.42 240 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4078083 0.00061 156.21 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078083 0.00062 163.83 237 1.5 ANNUAL ALL 1 New Development RP_G1									1				1
646630 4077983 0.00066 140.02 140.02 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4077983 0.00067 130.56 130.56 1.5 ANNUAL ALL 1 New Development RP_G1 645930 4078083 0.0006 183.42 240 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4078083 0.00061 156.21 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078083 0.00062 163.83 237 1.5 ANNUAL ALL 1 New Development RP_G1									1				
646730 4077983 0.00067 130.56 130.56 1.5 ANNUAL ALL 1 New Development RP_G1 645930 4078083 0.0006 183.42 240 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4078083 0.00061 156.21 156.21 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078083 0.00062 163.83 237 1.5 ANNUAL ALL 1 New Development RP_G1									1		-		1
645930 4078083 0.0006 183.42 240 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4078083 0.00061 156.21 156.21 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078083 0.00062 163.83 237 1.5 ANNUAL ALL 1 New Development RP_G1									1				
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646130 4078083 0.00062 163.83 237 1.5 ANNUAL ALL 1 New Development RP_G1									1				
									1				1
	646230	4078083	0.00062	145.99	145.99	1.5	ANNUAL	ALL	1		New Development	RP G1	

0.00173

08/30/21

* AERMET (21112): 2018

07:51:12

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

646330 4078083 0.00063 215.24 287 1.5 ANNUAL ALL 1 New Development RP_G1 646430 4078083 0.00064 163 234 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4078083 0.00065 164 240 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4078083 0.00065 173.83 240 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4078083 0.00067 139.24 139.24 1.5 ANNUAL ALL 1 New Development RP_G1 645730 4078183 0.00059 146.94 146.94 1.5 ANNUAL ALL 1 New Development RP_G1 646930 4078183 0.0006 133.89 133.89 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078183 0.00061
646530 4078083 0.00065 164 240 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4078083 0.00065 173.83 240 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4078083 0.00067 139.24 139.24 1.5 ANNUAL ALL 1 New Development RP_G1 645930 4078183 0.00059 146.94 146.94 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4078183 0.0006 133.89 133.89 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078183 0.00061 182.28 240 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4078183 0.00061 168.26 240 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4078183 0.00062
646630 4078083 0.00065 173.83 240 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4078083 0.00067 139.24 139.24 1.5 ANNUAL ALL 1 New Development RP_G1 645930 4078183 0.00059 146.94 146.94 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4078183 0.0006 133.89 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078183 0.00061 182.28 240 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4078183 0.00061 168.26 240 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4078183 0.00062 154.85 154.85 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4078183 0.00063 205.5
646730 4078083 0.00067 139.24 139.24 1.5 ANNUAL ALL 1 New Development RP_G1 645930 4078183 0.00059 146.94 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4078183 0.0006 133.89 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078183 0.00061 182.28 240 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4078183 0.00061 168.26 240 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4078183 0.00062 154.85 154.85 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4078183 0.00062 145 145 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4078183 0.00063 205.5 813
645930 4078183 0.00059 146.94 146.94 1.5 ANNUAL ALL 1 New Development RP_G1 646030 4078183 0.0006 133.89 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078183 0.00061 182.28 240 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4078183 0.00061 168.26 240 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4078183 0.00062 154.85 154.85 1.5 ANNUAL ALL 1 New Development RP_G1 646430 4078183 0.00062 145 145 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4078183 0.00063 205.5 813 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4078183 0.00065 163.52
646030 4078183 0.0006 133.89 1.5 ANNUAL ALL 1 New Development RP_G1 646130 4078183 0.00061 182.28 240 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4078183 0.00061 168.26 240 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4078183 0.00062 154.85 154.85 1.5 ANNUAL ALL 1 New Development RP_G1 64630 4078183 0.00062 145 145 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4078183 0.00063 205.5 813 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4078183 0.00064 167.93 167.93 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4078183 0.00065 163.52
646130 4078183 0.00061 182.28 240 1.5 ANNUAL ALL 1 New Development RP_G1 646230 4078183 0.00061 168.26 240 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4078183 0.00062 154.85 154.85 1.5 ANNUAL ALL 1 New Development RP_G1 646430 4078183 0.00062 145 145 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4078183 0.00063 205.5 813 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4078183 0.00064 167.93 167.93 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4078183 0.00065 163.52 163.52 1.5 ANNUAL ALL 1 New Development RP_G1
646230 4078183 0.00061 168.26 240 1.5 ANNUAL ALL 1 New Development RP_G1 646330 4078183 0.00062 154.85 1.5 ANNUAL ALL 1 New Development RP_G1 646430 4078183 0.00062 145 145 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4078183 0.00063 205.5 813 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4078183 0.00064 167.93 167.93 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4078183 0.00065 163.52 163.52 1.5 ANNUAL ALL 1 New Development RP_G1
646330 4078183 0.00062 154.85 154.85 1.5 ANNUAL ALL 1 New Development RP_G1 646430 4078183 0.00062 145 145 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4078183 0.00063 205.5 813 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4078183 0.00064 167.93 167.93 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4078183 0.00065 163.52 163.52 1.5 ANNUAL ALL 1 New Development RP_G1
646430 4078183 0.00062 145 145 1.5 ANNUAL ALL 1 New Development RP_G1 646530 4078183 0.00063 205.5 813 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4078183 0.00064 167.93 167.93 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4078183 0.00065 163.52 163.52 1.5 ANNUAL ALL 1 New Development RP_G1
646530 4078183 0.00063 205.5 813 1.5 ANNUAL ALL 1 New Development RP_G1 646630 4078183 0.00064 167.93 167.93 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4078183 0.00065 163.52 163.52 1.5 ANNUAL ALL 1 New Development RP_G1
646630 4078183 0.00064 167.93 1.5 ANNUAL ALL 1 New Development RP_G1 646730 4078183 0.00065 163.52 163.52 1.5 ANNUAL ALL 1 New Development RP_G1
646730 4078183 0.00065 163.52 163.52 1.5 ANNUAL ALL 1 New Development RP_G1
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(45020 4070202 0.00050 170.22 240 1.5 ANNITAL ALL 1 N
645930 4078283 0.00058 178.22 240 1.5 ANNUAL ALL 1 New Development RP_G1
646030 4078283 0.00059 142.68 142.68 1.5 ANNUAL ALL 1 New Development RP_G1
646130 4078283 0.00059 242.23 296 1.5 ANNUAL ALL 1 New Development RP_G1
646230 4078283 0.0006 241.37 269 1.5 ANNUAL ALL 1 New Development RP_G1
646330 4078283 0.00061 209.74 209.74 1.5 ANNUAL ALL 1 New Development RP_G1
646430 4078283 0.00061 246.79 251 1.5 ANNUAL ALL 1 New Development RP_G1
646530 4078283 0.00062 228.75 264 1.5 ANNUAL ALL 1 New Development RP_G1
646630 4078283 0.00063 217.76 271 1.5 ANNUAL ALL 1 New Development RP_G1
646730 4078283 0.00064 221.2 273 1.5 ANNUAL ALL 1 New Development RP_G1
648659.32 4077241 0.00164 258.89 258.89 1.5 ANNUAL ALL 1 House 1 RP_H1
648071.24 4076116 0.00022 168.8 190 1.5 ANNUAL ALL 1 House 10 RP_H10
648247.37 4076278 0.0003 199.9 240 1.5 ANNUAL ALL 1 House 11 RP_H11
648027.19 4076255 0.00026 144.4 144.4 1.5 ANNUAL ALL 1 House 12 RP_H12
648065.77 4076359 0.00032 195.5 227 1.5 ANNUAL ALL 1 House 13 RP_H13
648138.68 4076400 0.00036 216.4 300 1.5 ANNUAL ALL 1 House 14 RP_H14
648254.71 4076411 0.0004 259.56 259.56 1.5 ANNUAL ALL 1 House 15 RP_H15
647877.81 4076365 0.0003 173.5 191 1.5 ANNUAL ALL 1 House 16 RP_H16
647866.6 4076240 0.00024 166.2 166.2 1.5 ANNUAL ALL 1 House 17 RP_H17
647921 4076247 0.00025 145.4 253 1.5 ANNUAL ALL 1 House 18 RP_H18
647708.78 4076352 0.00028 173.9 214 1.5 ANNUAL ALL 1 House 19 RP_H19
648371.71 4075470 0.00016 190.4 194 1.5 ANNUAL ALL 1 House 2 RP_H2
647703.58 4076251 0.00024 179.6 227 1.5 ANNUAL ALL 1 House 20 RP_H20
647718.77 4076104 0.0002 191 226 1.5 ANNUAL ALL 1 House 21 RP_H21
647843.32 4076125 0.00021 209.2 240 1.5 ANNUAL ALL 1 House 22 RP_H22
647842.26 4076500 0.00039 233.7 240 1.5 ANNUAL ALL 1 House 23 RP_H23

08/30/21

* AERMET (21112): 2018

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
647727.75	4076644	0.00051	165.4	165.4	1.5	ANNUAL	ALL	1	House 24	RP H24
647823.91	4076644	0.00051	187.4	801	1.5	ANNUAL	ALL	1	House 25	RP H25
647886.51	4076593	0.0005	256.77	266	1.5	ANNUAL	ALL	1	House 26	RP H26
647810.11	4076854	0.0003	154.38	154.38	1.5	ANNUAL	ALL	1	House 27	RP H27
647697.48	4076989	0.0009	139.22	139.22	1.5	ANNUAL	ALL	1	House 28	RP H28
648225.5	4076182	0.00025	140.45	140.45	1.5	ANNUAL	ALL	1	House 29	RP H29
647678.23	4075969	0.00023	159.6	259	1.5	ANNUAL	ALL	1	House 3	RP H3
645876.32	4077487	0.00018	162.49	162.49	1.5	ANNUAL	ALL	1	House 30	RP H30
650902	4076062	0.00173	148.99	148.99	1.5	ANNUAL	ALL	1	House 31	RP H31
651490	4076597	0.00173	154.45	159	1.5	ANNUAL	ALL	1	House 32	RP H32
651565	4077067	0.00093	225.91	227	1.5	ANNUAL	ALL	1	House 33	RP H33
648672.77	4075307	0.00033	168.29	168.29	1.5	ANNUAL	ALL	1	House 34	RP H34
648383.6	4075469	0.00017	162.17	162.17	1.5	ANNUAL	ALL	1	House 35	RP H35
646379.37	4077233	0.00010	165.39	240	1.5	ANNUAL	ALL	1	House 36	RP H36
651849.72	4075865	0.00109	147.22	147.22	1.5	ANNUAL	ALL	1	House 37	RP H37
652045.49	4076210	0.00103	140.23	140.23	1.5	ANNUAL	ALL	1	House 38	RP H38
652255.69	4076391	0.00095	159	159	1.5	ANNUAL	ALL	1	House 39	RP H39
647815.25	4075985	0.00018	183.5	259	1.5	ANNUAL	ALL	1	House 4	RP H4
646853.73	4077373	0.0007	152.34	152.34	1.5	ANNUAL	ALL	1	House 40	RP H40
647050.21	4077360	0.00074	164.01	164.01	1.5	ANNUAL	ALL	1	House 41	RP H41
647286.42	4077474	0.00081	201.97	333	1.5	ANNUAL	ALL	1	House 42	RP H42
647359.05	4077340	0.00084	161.42	162	1.5	ANNUAL	ALL	1	House 43	RP H43
647490.41	4077329	0.00089	205.79	205.79	1.5	ANNUAL	ALL	1	House 44	RP H44
647522.17	4077252	0.00091	157.78	166	1.5	ANNUAL	ALL	1	House 45	RP H45
647517.82	4077139	0.00088	164.15	164.15	1.5	ANNUAL	ALL	1	House 46	RP H46
646819.01	4077258	0.00066	150.64	150.64	1.5	ANNUAL	ALL	1	House 47	RP H47
646778.72	4077128	0.00059	159	159	1.5	ANNUAL	ALL	1	House 48	RP H48
646987.26	4077213	0.00068	160.22	160.22	1.5	ANNUAL	ALL	1	House 49	RP H49
647898.2	4076033	0.00019	224	226	1.5	ANNUAL	ALL	1	House 5	RP H5
647241.77	4077227	0.00078	151.53	152	1.5	ANNUAL	ALL	1	House 50	RP H50
646773.05	4077063	0.00056	196.88	813	1.5	ANNUAL	ALL	1	House 51	RP H51
647104.37	4077118	0.00068	183.22	240	1.5	ANNUAL	ALL	1	House 52	RP H52
647291.9	4077123	0.00076	169.6	240	1.5	ANNUAL	ALL	1	House 53	RP H53
646765.24	4076978	0.0005	126.06	126.06	1.5	ANNUAL	ALL	1	House 54	RP H54
646995.65	4076984	0.00056	173.69	227	1.5	ANNUAL	ALL	1	House 55	RP H55
647317.21	4077031	0.00072	155.4	157	1.5	ANNUAL	ALL	1	House 56	RP H56
647398.39	4077013	0.00074	179.58	830	1.5	ANNUAL	ALL	1	House 57	RP H57
646978.93	4076904	0.00051	161.26	161.26	1.5	ANNUAL	ALL	1	House 58	RP H58
	4076807	0.00045	158.51	158.51	1.5	ANNUAL	ALL	1	House 59	RP H59

08/30/21

* AERMET (21112): 2018

07:51:12

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648045.44	4076018	0.0002	205	240	1.5	ANNUAL	ALL	1		House 6	RP_H6
647163.96	4076802	0.00048	197.06	813	1.5	ANNUAL	ALL	1		House 60	RP_H60
647310.58	4076940	0.00065	159.5	159.5	1.5	ANNUAL	ALL	1		House 61	RP_H61
647298.09	4076805	0.00052	184.55	240	1.5	ANNUAL	ALL	1		House 62	RP_H62
647446.56	4076900	0.00067	129.56	129.56	1.5	ANNUAL	ALL	1		House 63	RP_H63
647464.49	4076781	0.00056	191.28	240	1.5	ANNUAL	ALL	1		House 64	RP_H64
647512	4076536	0.00037	223.19	263	1.5	ANNUAL	ALL	1		House 65	RP_H65
651131	4078767	0.00016	259.71	290	1.5	ANNUAL	ALL	1		House 66	RP_H66
648126.33	4075955	0.00019	208.8	220	1.5	ANNUAL	ALL	1		House 7	RP_H7
648249.26	4075970	0.0002	134.6	181	1.5	ANNUAL	ALL	1		House 8	RP_H8
648218.58	4076109	0.00023	185.6	300	1.5	ANNUAL	ALL	1		House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

08/30/21

* AERMET (19191): 2019

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

642179.095	Y 4078698 4077719	AVERAGE CONC 0.00097	ZELEV 258.89	ZHILL 258.89	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	1
643903.65 642056.782 642179.095	4077719		258.89	258 80	1.7							
642056.782 642179.095		0.00010		230.09	1.5	ANNUAL	ALL	1		AQ Monitoring Station	AQ_ST_1	
642179.095		0.00018	190.4	194	1.5	ANNUAL	ALL	1		Hazel Hawkins Memorial Hospital	CR HP 1	1
	4079416	0.0003	159.6	259	1.5	ANNUAL	ALL	1		Dunne Park	CR PK 1	1
644733.142	4079950	0.00041	183.5	259	1.5	ANNUAL	ALL	1		Vista Park Hill Park	CR_PK_2	1
	4078753	0.00052	224	226	1.5	ANNUAL	ALL	1		Las Brisas Park	CR PK 3	1
645608.808	4078854	0.00086	205	240	1.5	ANNUAL	ALL	1		Frank Klauer Memorial Park	CR PK 4	1
644238.054	4078807	0.00044	208.8	220	1.5	ANNUAL	ALL	1		Veterans Memorial Park	CR PK 5	1
645311.476	4076559	0.00011	134.6	181	1.5	ANNUAL	ALL	1		Park 6	CR PK 6	1
649581.689	4073424	0.00057	185.6	300	1.5	ANNUAL	ALL	1		Park 7	CR_PK_7	1
645145.11	4077181	0.00015	168.8	190	1.5	ANNUAL	ALL	1		Cerra Vista Elem School	CR SC 1	1
642904.712	4079955	0.00051	199.9	240	1.5	ANNUAL	ALL	1		San Andreas Continuation	CR SC 10	1
645850.678	4074015	0.00009	144.4	144.4	1.5	ANNUAL	ALL	1		SouthSide School	CR SC 11	1
642105.679	4078176	0.00017	195.5	227	1.5	ANNUAL	ALL	1		School 12	CR SC 12	
646058.93	4078443	0.00083	216.4	300	1.5	ANNUAL	ALL	1		Rancho Santana School	CR_SC_13	School
647269	4075575	0.00015	259.56	259.56	1.5	ANNUAL	ALL	1		Future School	CR_SC_14	School
644109.6	4078389	0.0003	173.5	191	1.5	ANNUAL	ALL	1		Sunnyslope Elem School	CR SC 2	1
643920.12	4077304	0.00013	166.2	166.2	1.5	ANNUAL	ALL	1		Hollister Montessori School	CR SC 3	1
642961.07	4078621	0.00025	145.4	253	1.5	ANNUAL	ALL	1		Rancho San Justo Middle School	CR SC 4	1
643980.02	4079743	0.00065	173.9	214	1.5	ANNUAL	ALL	1		Marguerite Maze Middle School	CR SC 5	1
641630.17	4079153	0.00024	179.6	227	1.5	ANNUAL	ALL	1		Hollister Prep Schoo	CR SC 6	1
643350.03	4077181	0.00012	191	226	1.5	ANNUAL	ALL	1		Ladd Lane Elementary School	CR SC 7	1
644002.96	4080079	0.00076	209.2	240	1.5	ANNUAL	ALL	1		Gabilan Hills Elementary School	CR SC 8	1
642244.858	4078413	0.0002	233.7	240	1.5	ANNUAL	ALL	1		San Benito High School	CR SC 9	1
642083.447	4079794	0.00037	165.4	165.4	1.5	ANNUAL	ALL	1		Jovenes De Antano	CR SR 1	1
646402	4076879	0.00016	187.4	801	1.5	ANNUAL	ALL	1		Workplace	CR WP 1	MEIW
648949	4077938	0.0011	256.77	266	1.5	ANNUAL	ALL	1		Nearest Workplace	CR_WP_2	1
647744	4079173	0.00177	154.38	154.38	1.5	ANNUAL	ALL	1		Grid Receptor 1	G1	1
647744	4075573	0.00016	139.22	139.22	1.5	ANNUAL	ALL	1		Grid Receptor 10	G10	1
651344	4075573	0.00432	140.45	140.45	1.5	ANNUAL	ALL	1		Grid Receptor 100	G100	1
648144	4079173	0.00131	162.49	162.49	1.5	ANNUAL	ALL	1		Grid Receptor 11	G11	1
648144	4078773	0.00183	148.99	148.99	1.5	ANNUAL	ALL	1		Grid Receptor 12	G12	1
648144	4078373	0.00246	154.45	159	1.5	ANNUAL	ALL	1		Grid Receptor 13	G13	1
648144	4077973	0.00306	225.91	227	1.5	ANNUAL	ALL	1		Grid Receptor 14	G14	1
648144	4077573	0.00281	168.29	168.29	1.5	ANNUAL	ALL	1		Grid Receptor 15	G15	1
648144	4077173	0.00124	162.17	162.17	1.5	ANNUAL	ALL	1		Grid Receptor 16	G16	1
648144	4076773	0.00036	165.39	240	1.5	ANNUAL	ALL	1		Grid Receptor 17	G17	1
648144	4076373	0.00027	147.22	147.22	1.5	ANNUAL	ALL	1		Grid Receptor 18	G18	1
648144	4075973	0.00023	140.23	140.23	1.5	ANNUAL	ALL	1		Grid Receptor 19	G19	1
	4078773	0.00215	159	159	1.5	ANNUAL	ALL	1		Grid Receptor 2	G2	1

08/30/21

* AERMET (19191): 2019

07:51:03

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

GH8144 4075573 0.00018 144.65 144.65 1.5 ANNUAL ALL 1 Grid Receptor 20 G20	X	Υ	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648544 4079173 0.00072 158 158 1.5 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078737 0.00103 158.62 158.62 1.5 ANNUAL ALL 1 Grid Receptor 22 G22 G28 648544 407873 0.00163 162.28 162.28 1.5 ANNUAL ALL 1 Grid Receptor 23 G23 648544 4077873 0.00298 174.44 227 1.5 ANNUAL ALL 1 Grid Receptor 24 G24 648544 4077873 0.00457 169.05 169.05 1.5 ANNUAL ALL 1 Grid Receptor 24 G24 648544 4077873 0.00457 169.05 169.05 1.5 ANNUAL ALL 1 Grid Receptor 25 G25 648544 4077173 0.00398 159.35 159.35 1.5 ANNUAL ALL 1 Grid Receptor 26 G26 648544 4076773 0.00083 163.13 240 1.5 ANNUAL ALL 1 Grid Receptor 27 G27 648544 4076733 0.00083 163.13 240 1.5 ANNUAL ALL 1 Grid Receptor 27 G27 648544 4078573 0.00003 147.25 15.5 ANNUAL ALL 1 Grid Receptor 28 G28 648544 4078573 0.00003 147.25 15.5 ANNUAL ALL 1 Grid Receptor 29 G29 647744 4078573 0.00022 142.28 142.28 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 648544 4075573 0.00022 142.28 142.28 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 648544 4079173 0.00039 159.45 159.45 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 G48944 4078573 0.00002 142.28 162.28 1.5 ANNUAL ALL 1 Grid Receptor 3 G30 648944 4078773 0.00005 158.67 158.67 1.5 ANNUAL ALL 1 Grid Receptor 3 G30 G48944 4078773 0.00005 158.67 158.67 1.5 ANNUAL ALL 1 Grid Receptor 3 G32 G48944 4078573 0.00002 142.28 164.3 1.5 ANNUAL ALL 1 Grid Receptor 3 G32 G48944 4078573 0.00005 158.67 158.67 1.5 ANNUAL ALL 1 Grid Receptor 3 G32 G48944 4078573 0.00005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 3 G32 G48944 4077873 0.00005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 3 G33 G48944 4077873 0.00005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 3 G39 G48944 4077873 0.00005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 3 G39 G48944 4077873 0.00005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 3 G39 G48944 4077873 0.00005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 G4944 4077873 0.00005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 G4944 4077873 0.00005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 G4944 4077873 0.00005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor		4075573									
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648544 4076373 0.0006 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 28 G28 647544 4078373 0.00024 149.68 153 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 648544 4075573 0.00022 142.28 142.28 1.5 ANNUAL ALL 1 Grid Receptor 30 G30 648944 4079173 0.00029 159.45 159.45 1.5 ANNUAL ALL 1 Grid Receptor 30 G30 648944 4078773 0.00045 158.67 158.67 1.5 ANNUAL ALL 1 Grid Receptor 30 G32 648944 4078733 0.0006 164.3 164.3 1.5 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4077573 0.00027 162.9 16.2 1.5 ANNUAL ALL 1 Grid Receptor 33 G33 648944 4075573 0.00086			0.00083	163.13	240				1	•	
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648544 4075573 0.00022 142.28 142.28 1.5 ANNUAL ALL 1 Grid Receptor 30 G30 648944 4079173 0.00039 159.45 159.45 1.5 ANNUAL ALL 1 Grid Receptor 31 G31 648944 4078773 0.00045 158.67 158.67 158.67 1.5 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4078773 0.0006 164.3 164.3 1.5 ANNUAL ALL 1 Grid Receptor 33 G33 648944 4077573 0.00103 146 146 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077573 0.00272 162.9 162.9 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4076373 0.00086 156.78 166 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4076373 0.00005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 64744 4077573 0.00225 213.93 813 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4079173 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4078773 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078773 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078773 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4078773 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078773 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078773 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078773 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4078773 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078773 0.00026 159.35 164.01 164.01 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4078773 0.00028 205.79 205.79 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4077573 0.00028 205.79 205.79 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 64944 4078773 0.00028 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4078773 0.00018 157.78 166 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4078773 0.00029 160.22 160.22 15. ANNUAL ALL 1 Grid Receptor 50 G50 649744 4078773 0.00029 160.88 813 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4078773 0.00029 196.88 813 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4078773 0.00029 196.88 813 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4077573 0.00036 183.22 240 1.5 ANNU	648544	4075973	0.00031	147.25	147.25	1.5	ANNUAL	ALL	1		G29
648944 4079173 0.00039 159.45 159.45 1.5 ANNUAL ALL 1 Grid Receptor 31 G31 648944 4078773 0.00045 158.67 158.67 1.5 ANNUAL ALL 1 Grid Receptor 32 G32 G32 0.0006 164.3 164.3 164.3 1.5 ANNUAL ALL 1 Grid Receptor 33 G33 648944 4077973 0.00103 146 146 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077573 0.00272 162.9 162.9 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4077573 0.00086 156.78 166 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4075973 0.00005 151.56 151.56 151.56 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.00025 213.93 813 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 648944 4075573 0.00034 146.76 146.76 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4078973 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4078773 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4078773 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4078773 0.00037 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4078773 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4078773 0.000026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4078773 0.000026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4078773 0.000026 159.32 150 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4078773 0.000026 159.32 150 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4078773 0.00006 159.35 150 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4077973 0.00006 20.97 333 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4077973 0.00006 20.97 333 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4077973 0.00006 20.97 333 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4077973 0.00006 20.97 333 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4077973 0.00006 20.97 30.90 20.579 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4077973 0.00002 160.00 160	647744	4078373	0.00242	149.68		1.5	ANNUAL	ALL	1	Grid Receptor 3	G3
648944 4079173 0.00039 159.45 159.45 1.5 ANNUAL ALL 1 Grid Receptor 31 G31 648944 4078773 0.00045 158.67 1.5 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4077973 0.00103 146 146 1.5 ANNUAL ALL 1 Grid Receptor 34 G33 648944 4077573 0.00272 162.9 162.9 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4076373 0.00086 166.78 166 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4075973 0.0005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648744 4077973 0.00025 213.93 813 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.00025 213.93 <	648544	4075573	0.00022	142.28	142.28	1.5	ANNUAL	ALL	1	Grid Receptor 30	G30
648944 4077973 0.0006 164.3 164.3 1.5 ANNUAL ALL 1 Grid Receptor 33 G33 648944 4077973 0.00103 146 146 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077573 0.00272 162.9 162.9 162.9 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4076373 0.00086 156.78 166 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4075973 0.0005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.00025 213.93 813 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4075573 0.00034 146.76 146.76 1.5 ANNUAL ALL 1 Grid Receptor 4 G40 649344 4079173 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 4 G42 649344 407873 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 4 G42 649344 407873 0.00033 164.01 164.01 1.5 ANNUAL ALL 1 Grid Receptor 4 G42 649344 407873 0.00035 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4077973 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 4 G42 649344 407873 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 4 G42 649344 407873 0.00036 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4077973 0.00046 201.97 333 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4077973 0.00026 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 4 G48 649344 4077973 0.00026 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 4 G48 649344 4077973 0.00026 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 4 G48 649344 407573 0.00026 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 4 G49 649 649344 4075973 0.00026 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 4 G49 649 649344 4075973 0.00026 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 407873 0.00029 160.22 160.22 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 407873 0.00029 186.88 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G52 649744 407873 0.00029 196.88 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G52 649744 4077573 0.00036 183.22 240 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 G55	648944	4079173	0.00039	159.45	159.45	1.5	ANNUAL	ALL	1		G31
648944 4077973 0.00103 146 146 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077573 0.00272 162.9 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4076373 0.00086 156.78 166 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4075973 0.00025 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.00225 213.93 813 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 648944 4075573 0.00034 146.76 146.76 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4078773 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4078773 0.00033 164.01 <	648944	4078773	0.00045	158.67	158.67	1.5	ANNUAL	ALL	1	Grid Receptor 32	G32
648944 4077573 0.00272 162.9 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4076373 0.00086 156.78 166 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4075973 0.0005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4075973 0.00025 213.93 813 1.5 ANNUAL ALL 1 Grid Receptor 99 G39 648944 4075573 0.00024 146.76 146.76 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 407873 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 407873 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4077973 0.00033 164.01	648944	4078373	0.0006	164.3	164.3	1.5	ANNUAL	ALL	1	Grid Receptor 33	G33
648944 4076373 0.00086 156.78 166 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4075973 0.0005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.00225 213.93 813 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 648944 4075573 0.00034 146.76 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4079173 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4078773 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 649344 4078773 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4077973 0.00046 201.97	648944	4077973	0.00103	146	146	1.5	ANNUAL	ALL	1	Grid Receptor 34	G34
648944 4075973 0.0005 151.56 151.56 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.00225 213.93 813 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 648944 4075573 0.00034 146.76 146.76 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4079173 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 649344 4078773 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078373 0.00033 164.01 164.01 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077573 0.00046 201.97 333 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4076373 0.00028	648944	4077573	0.00272	162.9	162.9	1.5	ANNUAL	ALL	1	Grid Receptor 35	G35
647744 4077973 0.00225 213.93 813 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 648944 4075573 0.00034 146.76 146.76 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4079173 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 649344 4078773 0.00027 152.34 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078773 0.00033 164.01 164.01 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077973 0.00046 201.97 333 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077573 0.00205 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.00028 205.79	648944	4076373	0.00086	156.78	166	1.5	ANNUAL	ALL	1	Grid Receptor 38	G38
648944 4075573 0.00034 146.76 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4079173 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 649344 4078773 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078373 0.00033 164.01 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077973 0.00046 201.97 333 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077573 0.00205 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 407573 0.00928 205.79 205.79 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075973 0.00168 157.78 166	648944	4075973	0.0005	151.56		1.5	ANNUAL	ALL	1		G39
649344 4079173 0.00026 159.32 159.32 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 649344 4078773 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078373 0.00033 164.01 164.01 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077973 0.00046 201.97 333 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4077573 0.00205 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.00928 205.79 205.79 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075573 0.00168 157.78 166 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075573 0.00149	647744			213.93	813	1.5	ANNUAL	ALL	1		G4
649344 4078773 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078373 0.00033 164.01 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077973 0.00046 201.97 333 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 407573 0.00205 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.00928 205.79 205.79 1.5 ANNUAL ALL 1 Grid Receptor 45 G48 649344 4075973 0.00168 157.78 166 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 407573 0.00149 164.15 164.15 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 407573 0.00073 150.64	648944	4075573	0.00034	146.76	146.76	1.5	ANNUAL	ALL	1	Grid Receptor 40	G40
649344 4078373 0.00033 164.01 164.01 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077973 0.00046 201.97 333 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4077573 0.00205 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.00928 205.79 205.79 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075973 0.00168 157.78 166 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 4077573 0.00149 164.15 164.15 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075573 0.00073 150.64 150.64 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4078773 0.00022				159.32		1.5	ANNUAL	ALL	1	Grid Receptor 41	
649344 4077973 0.00046 201.97 333 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4077573 0.00205 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.00928 205.79 205.79 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075973 0.00168 157.78 166 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 4077573 0.00149 164.15 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075573 0.00073 150.64 150.64 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4079173 0.00019 159 159 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.00022 160.22 <td< td=""><td></td><td></td><td>0.00027</td><td>152.34</td><td>152.34</td><td>1.5</td><td>ANNUAL</td><td>ALL</td><td>1</td><td>Grid Receptor 42</td><td>G42</td></td<>			0.00027	152.34	152.34	1.5	ANNUAL	ALL	1	Grid Receptor 42	G42
649344 4077573 0.00205 161.42 162 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.00928 205.79 205.79 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075973 0.00168 157.78 166 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 4077573 0.00149 164.15 164.15 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 649344 4075573 0.00073 150.64 150.64 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4079173 0.00019 159 159 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.00022 160.22 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.00024 151.53					164.01	1.5	ANNUAL		1		G43
649344 4076373 0.00928 205.79 205.79 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075973 0.00168 157.78 166 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 407573 0.00149 164.15 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075573 0.00073 150.64 150.64 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4079173 0.00019 159 159 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.00022 160.22 160.22 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.00024 151.53 152 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.00029 196.88 <	649344		0.00046	201.97	333	1.5	ANNUAL		1	Grid Receptor 44	G44
649344 4075973 0.00168 157.78 166 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 4077573 0.00149 164.15 164.15 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075573 0.00073 150.64 150.64 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4079173 0.00019 159 159 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.00022 160.22 160.22 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.00024 151.53 152 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.00029 196.88 813 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.00036 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>ANNUAL</td><td>ALL</td><td>1</td><td></td><td></td></td<>							ANNUAL	ALL	1		
647744 4077573 0.00149 164.15 164.15 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075573 0.00073 150.64 150.64 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4079173 0.00019 159 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.00022 160.22 160.22 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.00024 151.53 152 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.00029 196.88 813 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.00036 183.22 240 1.5 ANNUAL ALL 1 Grid Receptor 55 G55			0.00928						1		G48
649344 4075573 0.00073 150.64 150.64 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4079173 0.00019 159 159 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.00022 160.22 160.22 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.00024 151.53 152 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.00029 196.88 813 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.00036 183.22 240 1.5 ANNUAL ALL 1 Grid Receptor 55 G55	649344		0.00168	157.78	166	1.5			1	Grid Receptor 49	
649744 4079173 0.00019 159 159 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.00022 160.22 160.22 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.00024 151.53 152 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.00029 196.88 813 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.00036 183.22 240 1.5 ANNUAL ALL 1 Grid Receptor 55 G55											
649744 4078773 0.00022 160.22 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.00024 151.53 152 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.00029 196.88 813 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.00036 183.22 240 1.5 ANNUAL ALL 1 Grid Receptor 55 G55						1.5	ANNUAL	ALL	1		
649744 4078373 0.00024 151.53 152 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.00029 196.88 813 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.00036 183.22 240 1.5 ANNUAL ALL 1 Grid Receptor 55 G55									1		
649744 4077973 0.00029 196.88 813 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.00036 183.22 240 1.5 ANNUAL ALL 1 Grid Receptor 55 G55				160.22	160.22	1.5	ANNUAL	ALL	1	Grid Receptor 52	
649744 4077573 0.00036 183.22 240 1.5 ANNUAL ALL 1 Grid Receptor 55 G55				151.53					1		
1											
649744 4076373 0.01678 169.6 240 1.5 ANNUAL ALL 1 Grid Receptor 58 G58											
							ANNUAL		1	Grid Receptor 58	
649744 4075973 0.01103 126.06 126.06 1.5 ANNUAL ALL 1 Grid Receptor 59 G59											
647744 4077173 0.00059 173.69 227 1.5 ANNUAL ALL 1 Grid Receptor 6 G6											
649744 4075573 0.00265 155.4 157 1.5 ANNUAL ALL 1 Grid Receptor 60 G60	649744	4075573	0.00265	155.4	157	1.5	ANNUAL	ALL	1	Grid Receptor 60	G60

08/30/21

* AERMET (19191): 2019

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET II	Description Description	ID
650144	4079173	0.00018	179.58	830	1.5	ANNUAL	ALL	1	Grid Receptor 61	G61
650144	4078773	0.00019	161.26	161.26	1.5	ANNUAL	ALL	1	Grid Receptor 62	G62
650144	4078373	0.00021	158.51	158.51	1.5	ANNUAL	ALL	1	Grid Receptor 63	G63
650144	4077973	0.00022	197.06	813	1.5	ANNUAL	ALL	1	Grid Receptor 64	G64
650144	4077573	0.001	159.5	159.5	1.5	ANNUAL	ALL	1	Grid Receptor 65	G65
650144	4076373	0.0058	184.55	240	1.5	ANNUAL	ALL	1	Grid Receptor 68	G68
650144	4075973	0.01187	129.56	129.56	1.5	ANNUAL	ALL	1	Grid Receptor 69	G69
647744	4076773	0.00024	191.28	240	1.5	ANNUAL	ALL	1	Grid Receptor 7	G7
650144	4075573	0.00493	127.22	127.22	1.5	ANNUAL	ALL	1	Grid Receptor 70	G70
650544	4079173	0.00017	171.51	240	1.5	ANNUAL	ALL	1	Grid Receptor 71	G71
650544	4078773	0.00016	156.81	156.81	1.5	ANNUAL	ALL	1	Grid Receptor 72	G72
650544	4078373	0.00017	146.44	146.44	1.5	ANNUAL	ALL	1	Grid Receptor 73	G73
650544	4077973	0.0003	162.04	162.04	1.5	ANNUAL	ALL	1	Grid Receptor 74	G74
650544	4077573	0.00116	127.13	142	1.5	ANNUAL	ALL	1	Grid Receptor 75	G75
650544	4076373	0.00673	169.38	240	1.5	ANNUAL	ALL	1	Grid Receptor 78	G78
650544	4075973	0.00504	132.89	132.89	1.5	ANNUAL	ALL	1	Grid Receptor 79	G79
647744	4076373	0.00019	140.02	140.02	1.5	ANNUAL	ALL	1	Grid Receptor 8	G8
650544	4075573	0.00965	130.56	130.56	1.5	ANNUAL	ALL	1	Grid Receptor 80	G80
650944	4079173	0.00014	183.42	240	1.5	ANNUAL	ALL	1	Grid Receptor 81	G81
650944	4078773	0.00014	156.21	156.21	1.5	ANNUAL	ALL	1	Grid Receptor 82	G82
650944	4078373	0.00018	163.83	237	1.5	ANNUAL	ALL	1	Grid Receptor 83	G83
650944	4077973	0.0006	145.99	145.99	1.5	ANNUAL	ALL	1	Grid Receptor 84	G84
650944	4077573	0.00124	215.24	287	1.5	ANNUAL	ALL	1	Grid Receptor 85	G85
650944	4077173	0.00072	163	234	1.5	ANNUAL	ALL	1	Grid Receptor 86	G86
650944	4076773	0.00125	164	240	1.5	ANNUAL	ALL	1	Grid Receptor 87	G87
650944	4076373	0.00217	173.83	240	1.5	ANNUAL	ALL	1	Grid Receptor 88	G88
650944	4075973	0.00326	139.24	139.24	1.5	ANNUAL	ALL	1	Grid Receptor 89	G89
647744	4075973	0.0002	146.94	146.94	1.5	ANNUAL	ALL	1	Grid Receptor 9	G9
650944	4075573	0.00474	133.89	133.89	1.5	ANNUAL	ALL	1	Grid Receptor 90	G90
651344	4079173	0.00013	182.28	240	1.5	ANNUAL	ALL	1	Grid Receptor 91	G91
651344	4078773	0.00015	168.26	240	1.5	ANNUAL	ALL	1	Grid Receptor 92	G92
651344	4078373	0.0002	154.85	154.85	1.5	ANNUAL	ALL	1	Grid Receptor 93	G93
651344	4077973	0.00053	145	145	1.5	ANNUAL	ALL	1	Grid Receptor 94	G94
651344	4077573	0.00045	205.5	813	1.5	ANNUAL	ALL	1	Grid Receptor 95	G95
651344	4077173	0.00075	167.93	167.93	1.5	ANNUAL	ALL	1	Grid Receptor 96	G96
651344	4076773	0.00112	163.52	163.52	1.5	ANNUAL	ALL	1	Grid Receptor 97	G97
651344	4076373	0.00169	178.22	240	1.5	ANNUAL	ALL	1	Grid Receptor 98	G98
651344	4075973	0.0024	142.68	142.68	1.5	ANNUAL	ALL	1	Grid Receptor 99	G99
648584.24	4077523	0.00488	242.23	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 1	P1

08/30/21

* AERMET (19191): 2019

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET II	D Description	ID
649484.05	4077537	0.00169	241.37	269	1.5	ANNUAL	ALL	1	Boundary Perimeter 10	P10
649584.03	4077539	0.00058	209.74	209.74	1.5	ANNUAL	ALL	1	Boundary Perimeter 11	P11
649684.02	4077540	0.0004	246.79	251	1.5	ANNUAL	ALL	1	Boundary Perimeter 12	P12
649784	4077541	0.00035	228.75	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 13	P13
649883.99	4077542	0.00039	217.76	271	1.5	ANNUAL	ALL	1	Boundary Perimeter 14	P14
649983.97	4077543	0.00071	221.2	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 15	P15
650083.94	4077546	0.00104	220.83	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 16	P16
650183.91	4077548	0.00118	223.42	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 17	P17
650283.87	4077550	0.00109	222.46	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 18	P18
650383.84	4077552	0.00054	223.19	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 19	P19
648684.22	4077525	0.00534	259.71	290	1.5	ANNUAL	ALL	1	Boundary Perimeter 2	P2
650483.81	4077554	0.00054	222.1	249	1.5	ANNUAL	ALL	1	Boundary Perimeter 20	P20
650583.78	4077557	0.0011	217.03	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 21	P21
650683.75	4077559	0.001	214.25	227	1.5	ANNUAL	ALL	1	Boundary Perimeter 22	P22
650776.81	4077554	0.00125	214.82	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 23	P23
650778.91	4077454	0.0014	214.91	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 24	P24
650781	4077354	0.00161	214.09	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 25	P25
650783.1	4077254	0.00119	211.53	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 26	P26
650785.19	4077154	0.00145	210.17	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 27	P27
650787.29	4077054	0.00135	208.52	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 28	P28
650789.38	4076954	0.00137	207.5	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 29	P29
648784.19	4077527	0.00543	257.58	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 3	P3
650791.48	4076854	0.00191	205.17	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 30	P30
650793.57	4076754	0.00144	202.16	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 31	P31
650754.39	4076683	0.00147	196.38	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 32	P32
650660.22	4076650	0.00163	221.41	221.41	1.5	ANNUAL	ALL	1	Boundary Perimeter 33	P33
650561.43	4076650	0.00169	195.87	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 34	P34
650462.72	4076666	0.00174	196.32	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 35	P35
650364.01	4076682	0.00174	192.42	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 36	P36
650264.24	4076683	0.00183	192.46	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 37	P37
650164.71	4076674	0.00195	191.63	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 38	P38
650065.8	4076660	0.00212	186.32	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 39	P39
648884.17	4077529	0.00409	267.9	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 4	P4
649980.44	4076627	0.00258	179.81	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 40	P40
649920.26	4076547	0.00408	176.23	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 41	P41
649852.19	4076474	0.00707	175.02	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 42	P42
649770.68	4076417	0.0127	180.62	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 43	P43
649680.48	4076375	0.02151	216.54	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 44	P44
649580.91	4076368	0.03085	183.47	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 45	P45

08/30/21

* AERMET (19191): 2019

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
649482.48	4076384	0.03565	202.88	245	1.5	ANNUAL	ALL	1	Boundary Perimeter 46	P46
649391.59	4076425	0.02348	178.21	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 47	P47
649303.5	4076472	0.00242	176.25	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 48	P48
649226.19	4076535	0.00083	176	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 49	P49
648984.14	4077530	0.00246	275.91	275.91	1.5	ANNUAL	ALL	1	Boundary Perimeter 5	P5
649156.2	4076605	0.00289	175.24	245	1.5	ANNUAL	ALL	1	Boundary Perimeter 50	P50
649068.25	4076653	0.00359	175.13	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 51	P51
648986.7	4076711	0.00368	230.71	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 52	P52
648936.53	4076759	0.00399	248.08	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 53	P53
648868.58	4076833	0.0044	258.43	258.43	1.5	ANNUAL	ALL	1	Boundary Perimeter 54	P54
648797.23	4076902	0.00428	127.38	127.38	1.5	ANNUAL	ALL	1	Boundary Perimeter 55	P55
648710.56	4076952	0.00345	131.21	131.21	1.5	ANNUAL	ALL	1	Boundary Perimeter 56	P56
648620.79	4076996	0.0028	135.89	135.89	1.5	ANNUAL	ALL	1	Boundary Perimeter 57	P57
648607.19	4077051	0.00331	139.18	139.18	1.5	ANNUAL	ALL	1	Boundary Perimeter 58	P58
648680.07	4077119	0.00517	140.76	140.76	1.5	ANNUAL	ALL	1	Boundary Perimeter 59	P59
649084.12	4077532	0.00137	265.73	281	1.5	ANNUAL	ALL	1	Boundary Perimeter 6	P6
648759.24	4077180	0.00672	143.89	143.89	1.5	ANNUAL	ALL	1	Boundary Perimeter 60	P60
648791.44	4077262	0.00769	145.22	145.22	1.5	ANNUAL	ALL	1	Boundary Perimeter 61	P61
648788.45	4077362	0.00588	147.21	147.21	1.5	ANNUAL	ALL	1	Boundary Perimeter 62	P62
648691.25	4077361	0.00566	148.3	160	1.5	ANNUAL	ALL	1	Boundary Perimeter 63	P63
648591.35	4077357	0.00502	127.58	127.58	1.5	ANNUAL	ALL	1	Boundary Perimeter 64	P64
648525.69	4077371	0.00454	130.56	130.56	1.5	ANNUAL	ALL	1	Boundary Perimeter 65	P65
648586.93	4077430	0.00495	134.35	134.35	1.5	ANNUAL	ALL	1	Boundary Perimeter 66	P66
649184.09	4077534	0.00095	251.08	282	1.5	ANNUAL	ALL	1	Boundary Perimeter 7	P7
649284.08	4077535	0.00176	252.83	281	1.5	ANNUAL	ALL	1	Boundary Perimeter 8	P8
649384.06	4077536	0.00242	246.1	269	1.5	ANNUAL	ALL	1	Boundary Perimeter 9	P9
645930	4077983	0.00048	177	830	1.5	ANNUAL	ALL	1	New Development	RP G1
646030	4077983	0.00051	180.9	830	1.5	ANNUAL	ALL	1	New Development	RP G1
646130	4077983	0.00055	196.6	830	1.5	ANNUAL	ALL	1	New Development	RP G1
646230	4077983	0.00059	236.9	801	1.5	ANNUAL	ALL	1	New Development	RP G1
646330	4077983	0.00063	261.3	287	1.5	ANNUAL	ALL	1	New Development	RP G1
646430	4077983	0.00068	260.9	260.9	1.5	ANNUAL	ALL	1	New Development	RP G1
646530	4077983	0.00073	226.7	287	1.5	ANNUAL	ALL	1	New Development	RP G1
646630	4077983	0.00079	164	164	1.5	ANNUAL	ALL	1	New Development	RP G1
646730	4077983	0.00086	268.2	287	1.5	ANNUAL	ALL	1	New Development	RP G1
645930	4078083	0.00054	181.3	830	1.5	ANNUAL	ALL	<u>-</u>	New Development	RP G1
646030	4078083	0.00058	178.4	830	1.5	ANNUAL	ALL	1	New Development	RP G1
	4078083	0.00062	214.8	830	1.5	ANNUAL	ALL	1	New Development	RP G1
646130								1		

08/30/21

* AERMET (19191): 2019

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*
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- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		3(1A,113.3),3(1A,16.2)								
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NI	ET ID Description	ID
646330	4078083	0.00071	276.5	296	1.5	ANNUAL	ALL	1	New Development	RP_G1
646430	4078083	0.00076	225.6	296	1.5	ANNUAL	ALL	1	New Development	RP G1
646530	4078083	0.00082	219.8	267	1.5	ANNUAL	ALL	1	New Development	RP G1
646630	4078083	0.00089	209.2	273	1.5	ANNUAL	ALL	1	New Development	RP G1
646730	4078083	0.00097	216.6	287	1.5	ANNUAL	ALL	1	New Development	RP G1
645930	4078183	0.0006	160.7	160.7	1.5	ANNUAL	ALL	1	New Development	RP G1
646030	4078183	0.00064	243.2	289	1.5	ANNUAL	ALL	1	New Development	RP G1
646130	4078183	0.00069	191	830	1.5	ANNUAL	ALL	1	New Development	RP G1
646230	4078183	0.00073	181	830	1.5	ANNUAL	ALL	1	New Development	RP G1
646330	4078183	0.00079	214.3	830	1.5	ANNUAL	ALL	1	New Development	RP G1
646430	4078183	0.00084	248.4	826	1.5	ANNUAL	ALL	1	New Development	RP G1
646530	4078183	0.00091	213.2	826	1.5	ANNUAL	ALL	1	New Development	RP G1
646630	4078183	0.00099	213.6	813	1.5	ANNUAL	ALL	1	New Development	RP G1
646730	4078183	0.00108	203.5	813	1.5	ANNUAL	ALL	1	New Development	RP G1
645930	4078283	0.00067	205.6	220	1.5	ANNUAL	ALL	1	New Development	RP G1
646030	4078283	0.00071	205.8	269	1.5	ANNUAL	ALL	1	New Development	RP G1
646130	4078283	0.00076	183.61	227	1.5	ANNUAL	ALL	1	New Development	RP G1
646230	4078283	0.00081	254.01	257	1.5	ANNUAL	ALL	1	New Development	RP G1
646330	4078283	0.00087	235.3	259	1.5	ANNUAL	ALL	1	New Development	RP G1
646430	4078283	0.00093	221.29	259	1.5	ANNUAL	ALL	1	New Development	RP G1
646530	4078283	0.00101	222.37	260	1.5	ANNUAL	ALL	1	New Development	RP G1
646630	4078283	0.00109	233.6	259	1.5	ANNUAL	ALL	1	New Development	RP G1
646730	4078283	0.00119	249.54	259	1.5	ANNUAL	ALL	1	New Development	RP G1
648659.32	4077241	0.00649	123.85	123.85	1.5	ANNUAL	ALL	1	House 1	RP H1
648071.24	4076116	0.00024	133	133	1.5	ANNUAL	ALL	1	House 10	RP H10
648247.37	4076278	0.00029	86	86	1.5	ANNUAL	ALL	1	House 11	RP H11
648027.19	4076255	0.00024	123	313	1.5	ANNUAL	ALL	1	House 12	RP H12
648065.77	4076359	0.00025	91	91	1.5	ANNUAL	ALL	1	House 13	RP H13
648138.68	4076400	0.00026	128.52	128.52	1.5	ANNUAL	ALL	1	House 14	RP H14
648254.71	4076411	0.00031	158	158	1.5	ANNUAL	ALL	1	House 15	RP H15
647877.81	4076365	0.00021	98.2	98.2	1.5	ANNUAL	ALL	1	House 16	RP H16
647866.6	4076240	0.00021	101.23	101.23	1.5	ANNUAL	ALL	1	House 17	RP H17
647921	4076247	0.00022	92	92	1.5	ANNUAL	ALL	1	House 18	RP H18
647708.78	4076352	0.00019	88	88	1.5	ANNUAL	ALL	1	House 19	RP H19
648371.71	4075470	0.00019	105.68	105.68	1.5	ANNUAL	ALL	1	House 2	RP H2
647703.58	4076251	0.00019	85	85	1.5	ANNUAL	ALL	1	House 20	RP H20
647718.77	4076104	0.00019	98.22	98.22	1.5	ANNUAL	ALL	1	House 21	RP H21
647843.32	4076125	0.00021	87	87	1.5	ANNUAL	ALL	1	House 22	RP H22
	10/0123	0.00021	0 /	90.17	1.5	THITTELL	ALL	1	110050 22	101 _1122

08/30/21

* AERMET (19191): 2019

07:51:03

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		5(174,1 19:5),5(174,1 0:2)				A X 700	CDP	NITING AND CO.	NIDE TO	D	TD
X	Y	AVERAGE CONC	ZELEV		ZFLAG	AVE	GRP	NUM YRS	NETID	Description	ID DD H24
647727.75	4076644	0.00021	87.58	127	1.5	ANNUAL	ALL	1		House 24	RP_H24
647823.91	4076644	0.00022	146.33	153	1.5	ANNUAL	ALL	1		House 25	RP_H25
647886.51	4076593	0.00022	189.45	259	1.5	ANNUAL	ALL	1		House 26	RP_H26
647810.11	4076854	0.00029	155.2	155.2	1.5	ANNUAL	ALL	1		House 27	RP_H27
647697.48	4076989	0.00035	160	160	1.5	ANNUAL	ALL	1		House 28	RP_H28
648225.5	4076182	0.00028	252.9	252.9	1.5	ANNUAL	ALL	1		House 29	RP_H29
647678.23	4075969	0.00019	85.12	85.12	1.5	ANNUAL	ALL	1		House 3	RP_H3
645876.32	4077487	0.00026	165.9	165.9	1.5	ANNUAL	ALL	1		House 30	RP_H30
650902	4076062	0.00315	159.6	159.6	1.5	ANNUAL	ALL	1		House 31	RP_H31
651490	4076597	0.00129	146.2	146.2	1.5	ANNUAL	ALL	1		House 32	RP_H32
651565	4077067	0.00087	158.3	181	1.5	ANNUAL	ALL	1		House 33	RP_H33
648672.77	4075307	0.0003	166.6	179	1.5	ANNUAL	ALL	1		House 34	RP_H34
648383.6	4075469	0.00019	175.4	175.4	1.5	ANNUAL	ALL	1		House 35	RP_H35
646379.37	4077233	0.00023	177.1	240	1.5	ANNUAL	ALL	1		House 36	RP_H36
651849.72	4075865	0.00192	178	240	1.5	ANNUAL	ALL	1		House 37	RP_H37
652045.49	4076210	0.00141	173	240	1.5	ANNUAL	ALL	1		House 38	RP_H38
652255.69	4076391	0.00117	145.4	145.4	1.5	ANNUAL	ALL	1		House 39	RP H39
647815.25	4075985	0.0002	117.99	117.99	1.5	ANNUAL	ALL	1		House 4	RP H4
646853.73	4077373	0.00037	160.9	813	1.5	ANNUAL	ALL	1		House 40	RP H40
647050.21	4077360	0.00042	200.5	221	1.5	ANNUAL	ALL	1		House 41	RP_H41
647286.42	4077474	0.00067	229	253	1.5	ANNUAL	ALL	1		House 42	RP H42
647359.05	4077340	0.00055	253.3	259	1.5	ANNUAL	ALL	1		House 43	RP H43
647490.41	4077329	0.00062	220.2	263	1.5	ANNUAL	ALL	1		House 44	RP H44
647522.17	4077252	0.00054	227.2	227.2	1.5	ANNUAL	ALL	1		House 45	RP H45
647517.82	4077139	0.00041	163.8	171	1.5	ANNUAL	ALL	1		House 46	RP H46
646819.01	4077258	0.0003	205.5	300	1.5	ANNUAL	ALL	1		House 47	RP H47
646778.72	4077128	0.00024	176.1	830	1.5	ANNUAL	ALL	1		House 48	RP H48
646987.26	4077213	0.00031	195	813	1.5	ANNUAL	ALL	1		House 49	RP H49
647898.2	4076033	0.00021	106.44	106.44	1.5	ANNUAL	ALL	1		House 5	RP H5
647241.77	4077227	0.00038	196.1	227	1.5	ANNUAL	ALL	1		House 50	RP H50
646773.05	4077063	0.00022	215.3	251	1.5	ANNUAL	ALL	1		House 51	RP H51
647104.37	4077118	0.00028	221.6	259	1.5	ANNUAL	ALL	1		House 52	RP H52
647291.9	4077123	0.00033	211.7	266	1.5	ANNUAL	ALL	1		House 53	RP H53
646765.24	4076978	0.0002	237.7	257	1.5	ANNUAL	ALL	1		House 54	RP H54
646995.65	4076984	0.00022	158.4	171	1.5	ANNUAL	ALL	1		House 55	RP H55
647317.21	4077031	0.00028	204.2	300	1.5	ANNUAL	ALL	1		House 56	RP H56
647398.39	4077013	0.00029	173	830	1.5	ANNUAL	ALL	1		House 57	RP H57
646978.93	4076904	0.00019	171	830	1.5	ANNUAL	ALL	1		House 58	RP H58
647015.19		0.00017	204.6	813	1.5	ANNUAL	ALL	1		House 59	RP H59
07/013.19	10/000/	0.00017	207.0	015	1.5	THITOHL	ALL	1		House 37	KI _1139

08/30/21

* AERMET (19191): 2019

07:51:03

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648045.44	4076018	0.00023	112.86	112.86	1.5	ANNUAL	ALL	1		House 6	RP_H6
647163.96	4076802	0.00018	216.5	290	1.5	ANNUAL	ALL	1		House 60	RP_H60
647310.58	4076940	0.00024	257.7	257.7	1.5	ANNUAL	ALL	1		House 61	RP_H61
647298.09	4076805	0.0002	231.4	272	1.5	ANNUAL	ALL	1		House 62	RP_H62
647446.56	4076900	0.00024	249.4	266	1.5	ANNUAL	ALL	1		House 63	RP_H63
647464.49	4076781	0.00021	164.7	164.7	1.5	ANNUAL	ALL	1		House 64	RP_H64
647512	4076536	0.00017	242.37	290	1.5	ANNUAL	ALL	1		House 65	RP_H65
651131	4078767	0.00014	197.16	227	1.5	ANNUAL	ALL	1		House 66	RP_H66
648126.33	4075955	0.00023	95.25	95.25	1.5	ANNUAL	ALL	1		House 7	RP_H7
648249.26	4075970	0.00025	134.61	134.61	1.5	ANNUAL	ALL	1		House 8	RP_H8
648218.58	4076109	0.00027	159.96	318	1.5	ANNUAL	ALL	1		House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

08/30/21

* AERMET (21112): 2020

07:50:54

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

· FORMAI	: (A,1A,3(1A	,F13.3),3(1A,F8.2),2A,A0,2A,	A0,2A,10.0,2A,A	10)								_
* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
648659.32	4077241	0.00373	205.79	205.79	1.5	ANNUAL	ALL	1		House 1	RP_H1	MEIR
648371.71	4075470	0.00029	173.69	227	1.5	ANNUAL	ALL	1		House 2	RP_H2	
647678.23	4075969	0.0002	159.5	159.5	1.5	ANNUAL	ALL	1		House 3	RP_H3	
647815.25	4075985	0.00022	162.04	162.04	1.5	ANNUAL	ALL	1		House 4	RP_H4	
647898.2	4076033	0.00024	163.83	237	1.5	ANNUAL	ALL	1		House 5	RP_H5	
648045.44	4076018	0.00026	168.26	240	1.5	ANNUAL	ALL	1		House 6	RP_H6	
648126.33	4075955	0.00028	171.51	240	1.5	ANNUAL	ALL	1		House 7	RP_H7	
648249.26	4075970	0.00032	183.42	240	1.5	ANNUAL	ALL	1		House 8	RP_H8	
648218.58	4076109	0.00032	182.28	240	1.5	ANNUAL	ALL	1		House 9	RP_H9	
648071.24	4076116	0.00028	169.6	240	1.5	ANNUAL	ALL	1		House 10	RP_H10	
648247.37	4076278	0.00036	184.55	240	1.5	ANNUAL	ALL	1		House 11	RP_H11	
648027.19	4076255	0.00028	169.38	240	1.5	ANNUAL	ALL	1		House 12	RP_H12	
648065.77	4076359	0.00031	173.83	240	1.5	ANNUAL	ALL	1		House 13	RP_H13	
648138.68	4076400	0.00034	178.22	240	1.5	ANNUAL	ALL	1		House 14	RP_H14	
648254.71	4076411	0.0004	191.28	240	1.5	ANNUAL	ALL	1		House 15	RP_H15	
647877.81	4076365	0.00027	165.39	240	1.5	ANNUAL	ALL	1		House 16	RP_H16	
647866.6	4076240	0.00025	163.13	240	1.5	ANNUAL	ALL	1		House 17	RP_H17	
647921	4076247	0.00026	164	240	1.5	ANNUAL	ALL	1		House 18	RP_H18	
647708.78	4076352	0.00024	163.52	163.52	1.5	ANNUAL	ALL	1		House 19	RP_H19	
647703.58	4076251	0.00023	162.17	162.17	1.5	ANNUAL	ALL	1		House 20	RP_H20	
647718.77	4076104	0.00021	159.35	159.35	1.5	ANNUAL	ALL	1		House 21	RP_H21	
647843.32	4076125	0.00023	163	234	1.5	ANNUAL	ALL	1		House 22	RP_H22	
647842.26	4076500	0.00029	167.93	167.93	1.5	ANNUAL	ALL	1		House 23	RP_H23	
647727.75	4076644	0.0003	164.15	164.15	1.5	ANNUAL	ALL	1		House 24	RP_H24	
647823.91	4076644	0.00032	168.29	168.29	1.5	ANNUAL	ALL	1		House 25	RP_H25	
647886.51	4076593	0.00032	169.05	169.05	1.5	ANNUAL	ALL	1		House 26	RP_H26	
647810.11	4076854	0.00039	162.9	162.9	1.5	ANNUAL	ALL	1		House 27	RP_H27	
647697.48	4076989	0.00042	161.42	162	1.5	ANNUAL	ALL	1		House 28	RP_H28	
648225.5	4076182	0.00033	183.22	240	1.5	ANNUAL	ALL	1		House 29	RP_H29	
645876.32	4077487	0.00026	127.13	142	1.5	ANNUAL	ALL	1		House 30	RP_H30	
650902	4076062	0.00261	215.24	287	1.5	ANNUAL	ALL	1		House 31	RP_H31	
651490	4076597	0.00122	205.5	813	1.5	ANNUAL	ALL	1		House 32	RP_H32	
651565	4077067	0.0007	213.93	813	1.5	ANNUAL	ALL	1		House 33	RP_H33	
648672.77	4075307	0.0004	225.91	227	1.5	ANNUAL	ALL	1		House 34	RP_H34	
648383.6	4075469	0.00029	174.44	227	1.5	ANNUAL	ALL	1		House 35	RP_H35	
646379.37	4077233	0.00026	146	146	1.5	ANNUAL	ALL	1		House 36	RP_H36	
651849.72	4075865	0.00163	201.97	333	1.5	ANNUAL	ALL	1		House 37	RP_H37	
652045.49	4076210	0.00126	196.88	813	1.5	ANNUAL	ALL	1		House 38	RP_H38	
652255.69	4076391	0.0011	197.06	813	1.5	ANNUAL	ALL	1		House 39	RP_H39	
645145.11	4077181	0.0002	133	133	1.5	ANNUAL	ALL	1		Cerra Vista Elem School	CR_SC_1	
644109.6	4078389	0.00027	98.2	98.2	1.5	ANNUAL	ALL	1		Sunnyslope Elem School	CR_SC_2	
643920.12	4077304	0.00018	101.23	101.23	1.5	ANNUAL	ALL	1		Hollister Montessori School	CR_SC_3	
642961.07	4078621	0.00024	92	92	1.5	ANNUAL	ALL	1		Rancho San Justo Middle School	CR_SC_4	
643980.02	4079743	0.00055	88	88	1.5	ANNUAL	ALL	1		Marguerite Maze Middle School	CR_SC_5	
641630.17	4079153	0.00023	85	85	1.5	ANNUAL	ALL	1		Hollister Prep Schoo	CR_SC_6	
643350.03	4077181	0.00018	98.22	98.22	1.5	ANNUAL	ALL	1		Ladd Lane Elementary School	CR_SC_7	
644002.96	4080079	0.00063	87	87	1.5	ANNUAL	ALL	1		Gabilan Hills Elementary School	CR_SC_8	
642244.858	4078413	0.00019	90.17	90.17	1.5	ANNUAL	ALL	1		San Benito High School	CR_SC_9	
642904.712	4079955	0.00043	86	86	1.5	ANNUAL	ALL	1		San Andreas Continuation	CR_SC_10	
												_

08/30/21

* AERMET (21112): 2020

07:50:54

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 284 RECEPTORS. FORMAT: (A.1X.3(1X.F13.5).3(1X.F8.2).2X.A6.2X.A8.2X.18.8.2X.A8)

* X Y AVERAGE CONC ZELEV ZHILL ZFLAG AVE GRP NUM YRS NET ID Description 645850.678 4074015 0.00013 123 313 1.5 ANNUAL ALL 1 School 12 642105.679 4078176 0.00018 91 91 1.5 ANNUAL ALL 1 Hazel Hawkins Memorial Hospital 642908.447 4079794 0.00031 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano 642056.782 4079416 0.00027 85.12 85.12 1.5 ANNUAL ALL 1 Dunne Park 642179.095 4079950 0.00035 117.99 117.99 1.5 ANNUAL ALL 1 Usita Park Hill Park 644733.142 4078753 0.00042 106.44 106.44 1.5 ANNUAL ALL 1 Las Brisas Park 644208.08.08 4078807 0.00035 95.25 95.25 95.25 ANNUAL AL	CR_SC_11 CR_SC_12 CR_HP_1 CR_SR_1 CR_PK_1 CR_PK_1 CR_PK_2 CR_PK_3 CR_PK_4 CR_PK_5 CR_PK_5 CR_PK_6 CR_PK_7 CR_WP_1 RP_H40 RP_H41 RP_H42
642105.679 4078176 0.00018 91 91 1.5 ANNUAL ALL 1 School 12 643903.65 4077719 0.0002 105.68 105.68 1.5 ANNUAL ALL 1 Hazel Hawkins Memorial Hospital 642083.447 4079794 0.00031 87.58 127 1.5 ANNUAL ALL 1 Jovense De Antano 642056.782 4079416 0.00027 85.12 85.12 1.5 ANNUAL ALL 1 Dunne Park 642179.095 4079950 0.00035 117.99 117.99 1.5 ANNUAL ALL 1 Usta Park Hill Park 644733.142 4078753 0.00042 106.44 106.44 1.5 ANNUAL ALL 1 Las Brisas Park 64508.808 4078847 0.00066 112.86 112.86 1.5 ANNUAL ALL 1 Vetrans Memorial Park 645311.476 4078807 0.00016 134.61 134.61 1.5 ANNUAL ALL	CR_SC 12 CR_HP_1 CR_SR_1 CR_PK_1 CR_PK_2 CR_PK_3 CR_PK_4 CR_PK_5 CR_PK_6 CR_PK_7 CR_WP_1 RP_H40 RP_H41
643903.65 4077719 0.0002 105.68 105.68 1.5 ANNUAL ALL 1 Hazel Hawkins Memorial Hospital 642083.447 4079794 0.00031 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano 642056.782 4079416 0.00027 85.12 85.12 1.5 ANNUAL ALL 1 Dunne Park 642179.095 4079950 0.00035 117.99 117.99 1.5 ANNUAL ALL 1 Dunne Park 644733.142 4078753 0.00042 106.44 106.44 1.5 ANNUAL ALL 1 Las Brisas Park Hill Park 645608.808 4078854 0.00066 112.86 112.86 1.5 ANNUAL ALL 1 Frank Klauer Memorial Park 644238.054 4078807 0.00035 95.25 95.25 1.5 ANNUAL ALL 1 Park 7 645511.476 4076879 0.00016 134.61 134.61 1.5 ANNUAL A	CR HP_1 CR SR_1 CR PK_1 CR PK_2 CR PK_3 CR PK_4 CR PK_5 CR PK_5 CR PK_6 CR PK_7 CR WP_1 RP_H40 RP_H41
642083.447 4079794 0.00031 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano 642056.782 4079416 0.00027 85.12 85.12 1.5 ANNUAL ALL 1 Dunne Park 642179.095 4079950 0.00035 117.99 117.99 1.5 ANNUAL ALL 1 Vista Park Hill Park 644733.142 4078753 0.00042 106.44 106.44 1.5 ANNUAL ALL 1 Las Brisas Park 645608.808 4078854 0.00066 112.86 <td>CR SR 1 CR PK 1 CR PK 2 CR PK 3 CR PK 4 CR PK 5 CR PK 6 CR PK 7 CR WP 1 RP H40 RP H41</td>	CR SR 1 CR PK 1 CR PK 2 CR PK 3 CR PK 4 CR PK 5 CR PK 6 CR PK 7 CR WP 1 RP H40 RP H41
642056.782 4079416 0.00027 85.12 85.12 1.5 ANNUAL ALL 1 Dunne Park 642179.095 4079950 0.00035 117.99 117.99 1.5 ANNUAL ALL 1 Vista Park Hill Park 644733.142 4078753 0.00042 106.44 106.44 1.5 ANNUAL ALL 1 Las Brisas Park 645608.808 4078854 0.00066 112.86 112.86 1.5 ANNUAL ALL 1 Frank Klauer Memorial Park 644238.054 4078807 0.00035 95.25 95.25 1.5 ANNUAL ALL 1 Veterans Memorial Park 644238.054 4076559 0.00016 134.61 134.61 1.5 ANNUAL ALL 1 Park 6 645311.476 4076559 0.00016 134.61 134.61 1.5 ANNUAL ALL 1 Park 6 649581.689 4073424 0.00074 159.96 318 1.5 ANNUAL ALL <	CR PK 1 CR PK 2 CR PK 3 CR PK 4 CR PK 5 CR PK 6 CR PK 7 CR WP 1 RP H40 RP H41
642179.095 4079950 0.00035 117.99 117.99 1.5 ANNUAL ALL 1 Vista Park Hill Park 644733.142 4078753 0.00042 106.44 106.44 1.5 ANNUAL ALL 1 Las Brisas Park 645608.808 4078854 0.00066 112.86 112.86 1.5 ANNUAL ALL 1 Frank Klauer Memorial Park 644238.054 4078877 0.00035 95.25 95.25 1.5 ANNUAL ALL 1 Veterans Memorial Park 645311.476 4076559 0.00016 134.61 134.61 1.5 ANNUAL ALL 1 Park 6 645311.476 4076559 0.00016 318 1.5 ANNUAL ALL 1 Park 6 649581.689 4073424 0.00074 159.96 318 1.5 ANNUAL ALL 1 Park 7 646402 4076879 0.00021 146.33 153 1.5 ANNUAL ALL 1 House 40	CR PK 2 CR PK 3 CR PK 4 CR PK 5 CR PK 5 CR PK 7 CR WP 1 RP H40 RP H41
644733.142 4078753 0.00042 106.44 106.44 1.5 ANNUAL ALL 1 Las Brisas Park 645608.808 4078854 0.00066 112.86 112.86 1.5 ANNUAL ALL 1 Frank Klauer Memorial Park 644238.054 4078807 0.00035 95.25 95.25 1.5 ANNUAL ALL 1 Veterans Memorial Park 645311.476 4076559 0.00016 134.61 134.61 1.5 ANNUAL ALL 1 Park 6 649581.689 4073424 0.00074 159.96 318 1.5 ANNUAL ALL 1 Park 7 646402 4076879 0.00021 146.33 153 1.5 ANNUAL ALL 1 Workplace 64853.73 4077373 0.00036 145.99 145.99 1.5 ANNUAL ALL 1 House 40 647286.42 4077474 0.00056 149.68 153 1.5 ANNUAL ALL 1 Ho	CR PK 3 CR PK 4 CR PK 5 CR PK 6 CR PK 7 CR WP 1 RP H40 RP H41
645608.808 4078854 0.00066 112.86 112.86 1.5 ANNUAL ALL 1 Frank Klauer Memorial Park 644238.054 4078807 0.00035 95.25 95.25 1.5 ANNUAL ALL 1 Veterans Memorial Park 645311.476 4076559 0.00016 134.61 134.61 1.5 ANNUAL ALL 1 Park 6 649581.689 4073424 0.00074 159.96 318 1.5 ANNUAL ALL 1 Park 7 646402 4076879 0.00021 146.33 153 1.5 ANNUAL ALL 1 Workplace 64853.73 4077373 0.00036 145.99 145.99 1.5 ANNUAL ALL 1 House 40 647050.21 4077360 0.0004 145 145 1.5 ANNUAL ALL 1 House 41 647359.05 4077474 0.00056 149.68 153 1.5 ANNUAL ALL 1 House 42	CR PK 4 CR PK 5 CR PK 6 CR PK 7 CR WP 1 RP H40 RP H41
644238.054 4078807 0.00035 95.25 95.25 1.5 ANNUAL ALL 1 Veterans Memorial Park 645311.476 4076559 0.00016 134.61 134.61 1.5 ANNUAL ALL 1 Park 6 649581.689 4073424 0.00074 159.96 318 1.5 ANNUAL ALL 1 Park 7 646402 4076879 0.00021 146.33 153 1.5 ANNUAL ALL 1 Workplace 646853.73 4077373 0.00036 145.99 145.99 1.5 ANNUAL ALL 1 House 40 647286.42 4077474 0.00056 149.68 153 1.5 ANNUAL ALL 1 House 42 647359.05 4077340 0.0005 154.45 159 1.5 ANNUAL ALL 1 House 43 647490.41 4077329 0.00056 162.28 1.5 ANNUAL ALL 1 House 45 647517.82 </td <td>CR PK 5 CR PK 6 CR PK_7 CR_WP_1 RP_H40 RP_H41</td>	CR PK 5 CR PK 6 CR PK_7 CR_WP_1 RP_H40 RP_H41
645311.476 4076559 0.00016 134.61 134.61 1.5 ANNUAL ALL 1 Park 6 649581.689 4073424 0.00074 159.96 318 1.5 ANNUAL ALL 1 Park 7 646402 4076879 0.00021 146.33 153 1.5 ANNUAL ALL 1 Workplace 646853.73 4077373 0.00036 145.99 145.99 1.5 ANNUAL ALL 1 House 40 647050.21 4077360 0.0004 145 145 1.5 ANNUAL ALL 1 House 41 647286.42 4077474 0.00056 149.68 153 1.5 ANNUAL ALL 1 House 42 647359.05 4077340 0.00055 154.45 159 1.5 ANNUAL ALL 1 House 43 647490.41 4077329 0.00056 162.28 1.5 ANNUAL ALL 1 House 44 647522.17 407	CR_PK_6 CR_PK_7 CR_WP_1 RP_H40 RP_H41
649581.689 4073424 0.00074 159.96 318 1.5 ANNUAL ALL 1 Park 7 646402 4076879 0.00021 146.33 153 1.5 ANNUAL ALL 1 Workplace 646853.73 4077373 0.00036 145.99 145.99 1.5 ANNUAL ALL 1 House 40 647050.21 4077360 0.0004 145 145 1.5 ANNUAL ALL 1 House 41 647286.42 4077474 0.00056 149.68 153 1.5 ANNUAL ALL 1 House 42 647359.05 4077340 0.0005 154.45 159 1.5 ANNUAL ALL 1 House 43 647490.41 4077329 0.00056 162.28 162.28 1.5 ANNUAL ALL 1 House 44 647522.17 4077252 0.00051 164.3 164.3 1.5 ANNUAL ALL 1 House 45 647517.8	CR_PK_7 CR_WP_1 RP_H40 RP_H41
646402 4076879 0.00021 146.33 153 1.5 ANNUAL ALL 1 Workplace 646853.73 4077373 0.00036 145.99 145.99 1.5 ANNUAL ALL 1 House 40 647050.21 4077360 0.0004 145 145 1.5 ANNUAL ALL 1 House 41 647286.42 4077474 0.00056 149.68 153 1.5 ANNUAL ALL 1 House 42 647359.05 4077340 0.0005 154.45 159 1.5 ANNUAL ALL 1 House 43 647490.41 4077329 0.00056 162.28 162.28 1.5 ANNUAL ALL 1 House 44 647522.17 4077252 0.00051 164.3 1.5 ANNUAL ALL 1 House 45 647517.82 4077139 0.00044 164.01 164.01 1.5 ANNUAL ALL 1 House 46	CR_WP_1 N RP_H40 RP_H41
646853.73 4077373 0.00036 145.99 145.99 1.5 ANNUAL ALL 1 House 40 647050.21 4077360 0.0004 145 145 1.5 ANNUAL ALL 1 House 41 647286.42 4077474 0.00056 149.68 153 1.5 ANNUAL ALL 1 House 42 647359.05 4077340 0.0005 154.45 159 1.5 ANNUAL ALL 1 House 43 647490.41 4077329 0.00056 162.28 162.28 1.5 ANNUAL ALL 1 House 44 647522.17 4077252 0.00051 164.3 164.3 1.5 ANNUAL ALL 1 House 45 647517.82 4077139 0.00044 164.01 164.01 1.5 ANNUAL ALL 1 House 46	RP_H40 RP_H41
647050.21 4077360 0.0004 145 145 1.5 ANNUAL ALL 1 House 41 647286.42 4077474 0.00056 149.68 153 1.5 ANNUAL ALL 1 House 42 647359.05 4077340 0.0005 154.45 159 1.5 ANNUAL ALL 1 House 43 647490.41 4077329 0.00056 162.28 162.28 1.5 ANNUAL ALL 1 House 44 647522.17 4077252 0.00051 164.3 164.3 1.5 ANNUAL ALL 1 House 45 647517.82 4077139 0.00044 164.01 164.01 1.5 ANNUAL ALL 1 House 46	RP_H41
647286.42 4077474 0.00056 149.68 153 1.5 ANNUAL ALL 1 House 42 647359.05 4077340 0.0005 154.45 159 1.5 ANNUAL ALL 1 House 43 647490.41 4077329 0.00056 162.28 162.28 1.5 ANNUAL ALL 1 House 44 647522.17 4077252 0.00051 164.3 164.3 1.5 ANNUAL ALL 1 House 45 647517.82 4077139 0.00044 164.01 164.01 1.5 ANNUAL ALL 1 House 46	
647359.05 4077340 0.0005 154.45 159 1.5 ANNUAL ALL 1 House 43 647490.41 4077329 0.00056 162.28 162.28 1.5 ANNUAL ALL 1 House 44 647522.17 4077252 0.00051 164.3 164.3 1.5 ANNUAL ALL 1 House 45 647517.82 4077139 0.00044 164.01 164.01 1.5 ANNUAL ALL 1 House 46	DD H/12
647490.41 4077329 0.00056 162.28 1.5 ANNUAL ALL 1 House 44 647522.17 4077252 0.00051 164.3 164.3 1.5 ANNUAL ALL 1 House 45 647517.82 4077139 0.00044 164.01 164.01 1.5 ANNUAL ALL 1 House 46	IXI 11 1 2
647490.41 4077329 0.00056 162.28 162.28 1.5 ANNUAL ALL 1 House 44 647522.17 4077252 0.00051 164.3 164.3 1.5 ANNUAL ALL 1 House 45 647517.82 4077139 0.00044 164.01 164.01 1.5 ANNUAL ALL 1 House 46	RP H43
647522.17 4077252 0.00051 164.3 164.3 1.5 ANNUAL ALL 1 House 45 647517.82 4077139 0.00044 164.01 164.01 1.5 ANNUAL ALL 1 House 46	RP H44
647517.82 4077139 0.00044 164.01 164.01 1.5 ANNUAL ALL 1 House 46	RP H45
	RP H46
	RP H47
646778.72 4077128 0.00028 158.51 158.51 1.5 ANNUAL ALL 1 House 48	RP H48
646987.26 4077213 0.00033 146.44 146.44 1.5 ANNUAL ALL 1 House 49	RP H49
647241.77 4077227 0.00039 154.85 154.85 1.5 ANNUAL ALL 1 House 50	RP H50
646773.05 4077063 0.00027 159 159 1.5 ANNUAL ALL 1 House 51	RP H51
647104.37 4077118 0.00032 148.99 148.99 1.5 ANNUAL ALL 1 House 52	RP H52
647291.9 4077123 0.00036 158.62 158.62 1.5 ANNUAL ALL 1 House 53	RP H53
646765.24 4076978 0.00025 158.67 158.67 1.5 ANNUAL ALL 1 House 54	RP H54
646995.65 4076984 0.00027 152.34 152.34 1.5 ANNUAL ALL 1 House 55	RP H55
647317.21 4077031 0.00033 160.22 160.22 1.5 ANNUAL ALL 1 House 56	RP H56
647398.39 4077013 0.00034 161.26 161.26 1.5 ANNUAL ALL 1 House 57	RP H57
646978.93 4076904 0.00026 156.81 156.81 1.5 ANNUAL ALL 1 House 58	RP H58
647015.19 4076807 0.00024 156.21 156.21 1.5 ANNUAL ALL 1 House 59	RP H59
647163.96 4076802 0.00025 154.38 154.38 1.5 ANNUAL ALL 1 House 60	RP H60
647310.58 4076940 0.00031 162.49 162.49 1.5 ANNUAL ALL 1 House 61	RP H61
647298.09 4076805 0.00027 158 158 1.5 ANNUAL ALL 1 House 62	RP H62
647446.56 4076900 0.00032 159.45 159.45 1.5 ANNUAL ALL 1 House 63	RP H63
647464.49 4076781 0.00029 159.32 159.32 1.5 ANNUAL ALL 1 House 64	RP H64
646058.93 4078443 0.00064 128.52 128.52 1.5 ANNUAL ALL 1 Rancho Santana School	CR SC 13 S
	RP G1
645930 4077983 0.00039 127.38 1.5 ANNUAL ALL 1 New Development 646030 4077983 0.00042 131.21 131.21 1.5 ANNUAL ALL 1 New Development	RP_G1
646130 4077983 0.00042 151.21 151.21 1.5 ANNUAL ALL 1 New Development	RP_G1
·	RP_G1
•	RP_G1
646430 4077983 0.00054 143.89 143.89 1.5 ANNUAL ALL 1 New Development	RP_G1
646530 4077983 0.00058 145.22 145.22 1.5 ANNUAL ALL 1 New Development	RP_G1
	RP_G1
646630 4077983 0.00061 147.21 147.21 1.5 ANNUAL ALL 1 New Development	RP G1
646630 4077983 0.00061 147.21 1.5 ANNUAL ALL 1 New Development 646730 4077983 0.00066 148.3 160 1.5 ANNUAL ALL 1 New Development	DD G1
646630 4077983 0.00061 147.21 147.21 1.5 ANNUAL ALL 1 New Development	RP_G1 RP_G1

08/30/21

* AERMET (21112): 2020

07:50:54

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

646130 497803 0.00049 13435			,F13.5),3(1X,F8.2),2X,A6,2X,									
Georgia Geor	* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
Get330 4978983 0.00056 144.65 144.65 142.28 1.5 ANNUAL ALL 1 New Development RP GI Get430 4978983 0.00063 146.76 146.76 146.76 145.76 146.									1		•	
646140 6078083 0.00099 142.28 142.28 1.5 ANNIJAL ALL 1 New Development RP G1 646650 6078083 0.00067 150.64 150.64 1.5 ANNIJAL ALL 1 New Development RP G1 646730 4078083 0.00067 150.64 150.64 1.5 ANNIJAL ALL 1 New Development RP G1 646730 4078083 0.00067 155.4 157 1.5 ANNIJAL ALL 1 New Development RP G1 646730 4078183 0.00048 127.22 127.22 1.5 ANNIJAL ALL 1 New Development RP G1 646730 4078183 0.00051 130.56 1.5 ANNIJAL ALL 1 New Development RP G1 646130 4078183 0.00054 133.89 133.89 1.5 ANNIJAL ALL 1 New Development RP G1 646130 4078183 0.00054 133.89 134.89 1.5 ANNIJAL ALL 1 New Development RP G1 646230 4078183 0.00064 140.43 140.43 1.5 ANNIJAL ALL 1 New Development RP G1 646230 4078183 0.00064 140.43 140.43 1.5 ANNIJAL ALL 1 New Development RP G1 646650 4078183 0.00064 147.25 1.5 ANNIJAL ALL 1 New Development RP G1 646650 4078183 0.00063 147.25 1.5 ANNIJAL ALL 1 New Development RP G1 646650 4078183 0.00063 151.56 151.56 15. ANNIJAL ALL 1 New Development RP G1 646780 4078183 0.00063 151.56 151.56 15. ANNIJAL ALL 1 New Development RP G1 646780 4078183 0.00065 125.50 125.50 15. ANNIJAL ALL 1 New Development RP G1 646780 4078283 0.00055 125.06 125.50 15. ANNIJAL ALL 1 New Development RP G1 646780 4078283 0.00056 125.50 125.50 15. ANNIJAL ALL 1 New Development RP G1 646780 4078283 0.00056 125.50 125.50 15. ANNIJAL ALL 1 New Development RP G1 646780 4078283 0.00066 142.68 142.68 15. ANNIJAL ALL 1 New Development RP G1 646780 4078283 0.00066 142.68 142.68 15. ANNIJAL ALL 1 New Development RP G1 646780 4078283 0.00066 142.68 142.68 15. ANNIJAL ALL 1 New Development RP G									1		•	
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646100 4078183 0.000051 130.56 130.56 1.5 ANNUAL ALL 1 New Development RP, GI 64620 4078183 0.000058 140.45 140.45 1.5 ANNUAL ALL 1 New Development RP, GI 646320 4078183 0.000058 140.45 140.45 1.5 ANNUAL ALL 1 New Development RP, GI 646430 4078183 0.00064 140.23 140.23 1.5 ANNUAL ALL 1 New Development RP, GI 646430 4078183 0.00064 140.23 140.23 1.5 ANNUAL ALL 1 New Development RP, GI 646500 4078183 0.000058 147.25 147.25 1.5 ANNUAL ALL 1 New Development RP, GI 646630 4078183 0.000058 147.25 147.25 1.5 ANNUAL ALL 1 New Development RP, GI 646730 4078183 0.000073 151.56 151.56 1.5 ANNUAL ALL 1 New Development RP, GI 646930 4078283 0.000053 126.06 126.06 15. ANNUAL ALL 1 New Development RP, GI 646930 4078283 0.000053 126.06 126.06 1.5 ANNUAL ALL 1 New Development RP, GI 646030 4078283 0.000053 126.06 126.06 1.5 ANNUAL ALL 1 New Development RP, GI 646100 4078283 0.000059 132.89 132.89 15. ANNUAL ALL 1 New Development RP, GI 646200 4078283 0.000059 132.89 132.89 15. ANNUAL ALL 1 New Development RP, GI 646200 4078283 0.000059 132.03 132.24 13. ANNUAL ALL 1 New Development RP, GI 64630 4078283 0.000059 140.02 140.02 15. ANNUAL ALL 1 New Development RP, GI 64650 4078283 0.000059 140.02 140.02 15. ANNUAL ALL 1 New Development RP, GI 64650 4078283 0.000059 140.02 140.02 15. ANNUAL ALL 1 New Development RP, GI 64650 4078283 0.000059 140.02 140.02 15. ANNUAL ALL 1 New Development RP, GI 64650 4078283 0.000059 140.02 140.02 15. ANNUAL ALL 1 New Development RP, GI 64650 4078283 0.000059 140.02 140.02 15. ANNUAL ALL 1 New Development RP, GI 64650 4078283 0.000059 140.02 140.02 15. ANNUAL ALL 1 New Development RP, G	646730								1		New Development	
646130 4078183 0.000054 133.89 133.89 1.5 ANNIAL AIL 1 New Development RP GI	645930	4078183	0.00048		127.22	1.5	ANNUAL		1		New Development	RP_G1
646230 4078183 0.000058 140.45 140.45 1.5 ANNUAL ALL 1 New Development RP GI	646030	4078183	0.00051	130.56	130.56	1.5	ANNUAL	ALL	1		New Development	RP_G1
646330 4078185 0.00060 146.94 146.94 1.5 ANNUAL ALL 1 New Development RP GI	646130	4078183	0.00054	133.89	133.89	1.5	ANNUAL	ALL	1		New Development	RP_G1
646430 4078183 0.00064 140.23 149.23 1.5 ANNUAL ALL 1 New Development RP GI 646630 4078183 0.000073 151.56 151.56 1.5 ANNUAL ALL 1 New Development RP GI 646630 4078183 0.00073 151.56 151.56 1.5 ANNUAL ALL 1 New Development RP GI 646730 4078183 0.00073 151.56 151.56 1.5 ANNUAL ALL 1 New Development RP GI 646730 4078283 0.00053 126.06 126.06 1.5 ANNUAL ALL 1 New Development RP GI 646330 4078283 0.00055 129.56 129.56 1.5 ANNUAL ALL 1 New Development RP GI 646130 4078283 0.00059 132.89 132.89 1.5 ANNUAL ALL 1 New Development RP GI 64620 4078283 0.00066 142.08 142.08 145.24 1.5 ANNUAL ALL 1 New Development RP GI 64630 4078283 0.00066 142.08 142.08 145.24 1.5 ANNUAL ALL 1 New Development RP GI 64630 4078283 0.00066 142.08 146.08 145.08 1	646230	4078183	0.00058	140.45	140.45	1.5	ANNUAL	ALL	1		New Development	RP_G1
64639 4978183 0.00068 147.25 147.25 1.5 ANNUAL ALL 1 New Development RP GI	646330	4078183	0.00061	146.94	146.94	1.5	ANNUAL	ALL	1		New Development	RP_G1
64630	646430	4078183	0.00064	140.23	140.23	1.5	ANNUAL	ALL	1		New Development	RP G1
646730	646530	4078183	0.00068	147.25	147.25	1.5	ANNUAL	ALL	1		New Development	RP G1
646930 4078283 0.00055 126.06 126.06 1.5 ANNUAL ALL 1 New Development RP GI	646630	4078183	0.00073	151.56	151.56	1.5	ANNUAL	ALL	1		New Development	RP G1
646930 4078283 0.00055 126.06 126.06 1.5 ANNUAL ALL 1 New Development RP GI								ALL	1			
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650383.84 4077552 0.00056 242.37 290 1.5 ANNUAL ALL 1 Boundary Perimeter 19 P19									*		·	
	650383.84	4077552	0.00056	242.37	290	1.5	ANNUAL	ALL	1		Boundary Perimeter 19	P19

School 2

* AERMOD (19191): Appendix B Attachment - Peak TAC Flare Emissions

08/30/21

* AERMET (21112): 2020

07:50:54

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

1 Oldiviz II	. (11,111,5(111,	F13.3),3(1A,F8.2),2A,A0,2A	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10)							
* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
650483.81	4077554	0.00052	242.23	296	1.5	ANNUAL	ALL	1		Boundary Perimeter 20	P20
650583.78	4077557	0.00089	259.71	290	1.5	ANNUAL	ALL	1		Boundary Perimeter 21	P21
650683.75	4077559	0.00074	257.58	296	1.5	ANNUAL	ALL	1		Boundary Perimeter 22	P22
650776.81	4077554	0.00091	267.9	296	1.5	ANNUAL	ALL	1		Boundary Perimeter 23	P23
650778.91	4077454	0.00106	275.91	275.91	1.5	ANNUAL	ALL	1		Boundary Perimeter 24	P24
650781	4077354	0.00137	265.73	281	1.5	ANNUAL	ALL	1		Boundary Perimeter 25	P25
650783.1	4077254	0.00112	251.08	282	1.5	ANNUAL	ALL	1		Boundary Perimeter 26	P26
650785.19	4077154	0.00142	252.83	281	1.5	ANNUAL	ALL	1		Boundary Perimeter 27	P27
650787.29	4077054	0.0013	246.1	269	1.5	ANNUAL	ALL	1		Boundary Perimeter 28	P28
650789.38	4076954	0.00132	241.37	269	1.5	ANNUAL	ALL	1		Boundary Perimeter 29	P29
650791.48	4076854	0.00197	246.79	251	1.5	ANNUAL	ALL	1		Boundary Perimeter 30	P30
650793.57	4076754	0.00128	228.75	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 31	P31
650754.39	4076683	0.00136	217.76	271	1.5	ANNUAL	ALL	1		Boundary Perimeter 32	P32
650660.22	4076650	0.00154	221.2	273	1.5	ANNUAL	ALL	1		Boundary Perimeter 33	P33
650561.43	4076650	0.00161	220.83	273	1.5	ANNUAL	ALL	1		Boundary Perimeter 34	P34
650462.72	4076666	0.00164	223.42	273	1.5	ANNUAL	ALL	1		Boundary Perimeter 35	P35
650364.01	4076682	0.00163	222.46	263	1.5	ANNUAL	ALL	1		Boundary Perimeter 36	P36
650264.24	4076683	0.00172	223.19	263	1.5	ANNUAL	ALL	1		Boundary Perimeter 37	P37
650164.71	4076674	0.00185	222.1	249	1.5	ANNUAL	ALL	1		Boundary Perimeter 38	P38
650065.8	4076660	0.00205	217.03	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 39	P39
649980.44	4076627	0.00258	214.82	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 40	P40
649920.26	4076547	0.00423	214.91	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 41	P41
649852.19	4076474	0.00704	214.09	266	1.5	ANNUAL	ALL	1		Boundary Perimeter 42	P42
649770.68	4076417	0.01202	211.53	266	1.5	ANNUAL	ALL	1		Boundary Perimeter 43	P43
649680.48	4076375	0.02033	210.17	266	1.5	ANNUAL	ALL	1		Boundary Perimeter 44	P44
649580.91	4076368	0.02033	208.52	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 45	P45
649482.48	4076384	0.03796	208.32	264	1.5	ANNUAL	ALL	1			P45 P46
			205.17					1		Boundary Perimeter 46	
649391.59	4076425	0.02985		264	1.5	ANNUAL	ALL	1		Boundary Perimeter 47	P47
649303.5	4076472	0.00433	202.16	264	1.5	ANNUAL	ALL	I		Boundary Perimeter 48	P48
649226.19	4076535	0.00196	196.38	264	1.5	ANNUAL	ALL	l I		Boundary Perimeter 49	P49
649156.2	4076605	0.00448	195.87	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 50	P50
649068.25	4076653	0.00462	196.32	264	1.5	ANNUAL	ALL	l .		Boundary Perimeter 51	P51
648986.7	4076711	0.00415	192.42	263	1.5	ANNUAL	ALL	1		Boundary Perimeter 52	P52
648936.53	4076759	0.00407	192.46	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 53	P53
648868.58	4076833	0.00391	191.63	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 54	P54
648797.23	4076902	0.00345	186.32	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 55	P55
648710.56	4076952	0.00271	179.81	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 56	P56
648620.79	4076996	0.00218	176.23	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 57	P57
648607.19	4077051	0.00238	175.02	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 58	P58
648680.07	4077119	0.00337	180.62	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 59	P59
648759.24	4077180	0.0039	183.47	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 60	P60
648791.44	4077262	0.00378	202.88	245	1.5	ANNUAL	ALL	1		Boundary Perimeter 61	P61
648788.45	4077362	0.00277	178.21	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 62	P62
648691.25	4077361	0.00301	176.25	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 63	P63
648591.35	4077357	0.00293	176	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 64	P64
648525.69	4077371	0.00273	175.24	245	1.5	ANNUAL	ALL	1		Boundary Perimeter 65	P65
648586.93	4077430	0.00277	175.13	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 66	P66
647744	4075573	0.00021	160	160	1.5	ANNUAL	ALL	1		Grid Receptor 10	G10
648144	4075573	0.00027	168.8	190	1.5	ANNUAL	ALL	1		Grid Receptor 20	G20

* AERMOD (19191): Appendix B Attachment - Peak TAC Flare Emissions

08/30/21

* AERMET (21112): 2020

07:50:54

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* FORMA	1: (A,1X,3(1X,1	F13.5),3(1X,F8.2),2X,A6,2X,									
* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648544	4075573	0.00036	195.5	227	1.5	ANNUAL	ALL	1		Grid Receptor 30	G30
648944	4075573	0.00048	185.6	300	1.5	ANNUAL	ALL	1		Grid Receptor 40	G40
649344	4075573	0.00109	205.5	300	1.5	ANNUAL	ALL	1		Grid Receptor 50	G50
649744	4075573	0.00312	204.2	300	1.5	ANNUAL	ALL	1		Grid Receptor 60	G60
650144	4075573	0.00549	216.4	300	1.5	ANNUAL	ALL	1		Grid Receptor 70	G70
650544	4075573	0.01054	268.2	287	1.5	ANNUAL	ALL	1		Grid Receptor 80	G80
650944	4075573	0.00453	243.2	289	1.5	ANNUAL	ALL	1		Grid Receptor 90	G90
651344	4075573	0.00414	252.9	252.9	1.5	ANNUAL	ALL	1		Grid Receptor 100	G100
647744	4075973	0.00021	160.7	160.7	1.5	ANNUAL	ALL	1		Grid Receptor 9	G9
648144	4075973	0.00029	173	240	1.5	ANNUAL	ALL	1		Grid Receptor 19	G19
648544	4075973	0.00046	199.9	240	1.5	ANNUAL	ALL	1		Grid Receptor 29	G29
648944	4075973	0.00082	208.8	220	1.5	ANNUAL	ALL	1		Grid Receptor 39	G39
649344	4075973	0.00246	227.2	227.2	1.5	ANNUAL	ALL	1		Grid Receptor 49	G49
649744	4075973	0.01336	237.7	257	1.5	ANNUAL	ALL	1		Grid Receptor 59	G59
650144	4075973	0.01195	249.4	266	1.5	ANNUAL	ALL	1		Grid Receptor 69	G69
650544	4075973	0.00423	226.7	287	1.5	ANNUAL	ALL	1		Grid Receptor 79	G79
650944	4075973	0.00267	216.6	287	1.5	ANNUAL	ALL	1		Grid Receptor 89	G89
651344	4075973	0.002	205.8	269	1.5	ANNUAL	ALL	1		Grid Receptor 99	G99
647744	4076373	0.00025	164	164	1.5	ANNUAL	ALL	1		Grid Receptor 8	G8
648144	4076373	0.00023	178	240	1.5	ANNUAL	ALL	1		Grid Receptor 18	G18
648544	4076373	0.00034	233.7	240	1.5	ANNUAL	ALL	1		Grid Receptor 28	G28
648944	4076373	0.00139	205	240	1.5	ANNUAL	ALL	1		Grid Receptor 38	G28 G38
649344	4076373	0.01318	220.2	263	1.5	ANNUAL	ALL	1		•	G48
649744	4076373	0.01568	220.2	266	1.5	ANNUAL	ALL	1		Grid Receptor 48 Grid Receptor 58	G58
		0.00529	231.4	272	1.5	ANNUAL	ALL	1		•	
650144	4076373									Grid Receptor 68	G68
650544	4076373	0.00709	260.9	260.9	1.5	ANNUAL	ALL ALL	1		Grid Receptor 78	G78
650944	4076373	0.00198	209.2	273	1.5	ANNUAL		1		Grid Receptor 88	G88
651344	4076373	0.00156	205.6	220	1.5	ANNUAL	ALL	1		Grid Receptor 98	G98
647744	4076773	0.00034	164.7	164.7	1.5	ANNUAL	ALL	1		Grid Receptor 7	G7
648144	4076773	0.00049	177.1	240	1.5	ANNUAL	ALL	1		Grid Receptor 17	G17
648544	4076773	0.00109	209.2	240	1.5	ANNUAL	ALL	<u>l</u>		Grid Receptor 27	G27
650944	4076773	0.00109	219.8	267	1.5	ANNUAL	ALL	1		Grid Receptor 87	G87
651344	4076773	0.00097	203.5	813	1.5	ANNUAL	ALL	1		Grid Receptor 97	G97
647744	4077173	0.00057	158.4	171	1.5	ANNUAL	ALL	1		Grid Receptor 6	G6
648144	4077173	0.00102	175.4	175.4	1.5	ANNUAL	ALL	1		Grid Receptor 16	G16
648544	4077173	0.00261	191	226	1.5	ANNUAL	ALL	1		Grid Receptor 26	G26
650944	4077173	0.0006	225.6	296	1.5	ANNUAL	ALL	1		Grid Receptor 86	G86
651344	4077173	0.00061	213.6	813	1.5	ANNUAL	ALL	1		Grid Receptor 96	G96
647744	4077573	0.00101	163.8	171	1.5	ANNUAL	ALL	1		Grid Receptor 5	G5
648144	4077573	0.00177	166.6	179	1.5	ANNUAL	ALL	1		Grid Receptor 15	G15
648544	4077573	0.00244	179.6	227	1.5	ANNUAL	ALL	1		Grid Receptor 25	G25
648944	4077573	0.00135	224	226	1.5	ANNUAL	ALL	1		Grid Receptor 35	G35
649344	4077573	0.00257	253.3	259	1.5	ANNUAL	ALL	1		Grid Receptor 45	G45
649744	4077573	0.00039	221.6	259	1.5	ANNUAL	ALL	1		Grid Receptor 55	G55
650144	4077573	0.00136	257.7	257.7	1.5	ANNUAL	ALL	1		Grid Receptor 65	G65
650544	4077573	0.00104	261.3	287	1.5	ANNUAL	ALL	1		Grid Receptor 75	G75
650944	4077573	0.00095	276.5	296	1.5	ANNUAL	ALL	1		Grid Receptor 85	G85
651344	4077573	0.00038	213.2	826	1.5	ANNUAL	ALL	1		Grid Receptor 95	G95
647744	4077973	0.00146	134.6	181	1.5	ANNUAL	ALL	1		Grid Receptor 4	G4

* AERMOD (19191): Appendix B Attachment - Peak TAC Flare Emissions

08/30/21

* AERMET (21112): 2020

07:50:54

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648144	4077973	0.00184	158.3	181	1.5	ANNUAL	ALL	1		Grid Receptor 14	G14
648544	4077973	0.00136	173.9	214	1.5	ANNUAL	ALL	1		Grid Receptor 24	G24
648944	4077973	0.00067	183.5	259	1.5	ANNUAL	ALL	1		Grid Receptor 34	G34
649344	4077973	0.00045	229	253	1.5	ANNUAL	ALL	1		Grid Receptor 44	G44
649744	4077973	0.0003	215.3	251	1.5	ANNUAL	ALL	1		Grid Receptor 54	G54
650144	4077973	0.00024	216.5	290	1.5	ANNUAL	ALL	1		Grid Receptor 64	G64
650544	4077973	0.00031	236.9	801	1.5	ANNUAL	ALL	1		Grid Receptor 74	G74
650944	4077973	0.00061	249.9	813	1.5	ANNUAL	ALL	1		Grid Receptor 84	G84
651344	4077973	0.00041	248.4	826	1.5	ANNUAL	ALL	1		Grid Receptor 94	G94
647744	4078373	0.00158	144.4	144.4	1.5	ANNUAL	ALL	1		Grid Receptor 3	G3
648144	4078373	0.00139	146.2	146.2	1.5	ANNUAL	ALL	1		Grid Receptor 13	G13
648544	4078373	0.00078	145.4	253	1.5	ANNUAL	ALL	1		Grid Receptor 23	G23
648944	4078373	0.00044	159.6	259	1.5	ANNUAL	ALL	1		Grid Receptor 33	G33
649344	4078373	0.0003	200.5	221	1.5	ANNUAL	ALL	1		Grid Receptor 43	G43
649744	4078373	0.00025	196.1	227	1.5	ANNUAL	ALL	1		Grid Receptor 53	G53
650144	4078373	0.00021	204.6	813	1.5	ANNUAL	ALL	1		Grid Receptor 63	G63
650544	4078373	0.00017	196.6	830	1.5	ANNUAL	ALL	1		Grid Receptor 73	G73
650944	4078373	0.00017	214.8	830	1.5	ANNUAL	ALL	1		Grid Receptor 83	G83
651344	4078373	0.0002	214.3	830	1.5	ANNUAL	ALL	1		Grid Receptor 93	G93
647744	4078773	0.00137	145.4	145.4	1.5	ANNUAL	ALL	1		Grid Receptor 2	G2
648144	4078773	0.00097	159.6	159.6	1.5	ANNUAL	ALL	1		Grid Receptor 12	G12
648544	4078773	0.00057	166.2	166.2	1.5	ANNUAL	ALL	1		Grid Receptor 22	G22
648944	4078773	0.00034	165.4	165.4	1.5	ANNUAL	ALL	1		Grid Receptor 32	G32
649344	4078773	0.00024	160.9	813	1.5	ANNUAL	ALL	1		Grid Receptor 42	G42
649744	4078773	0.00023	195	813	1.5	ANNUAL	ALL	1		Grid Receptor 52	G52
650144	4078773	0.00019	171	830	1.5	ANNUAL	ALL	1		Grid Receptor 62	G62
650544	4078773	0.00016	180.9	830	1.5	ANNUAL	ALL	1		Grid Receptor 72	G72
650944	4078773	0.00014	178.4	830	1.5	ANNUAL	ALL	1		Grid Receptor 82	G82
651344	4078773	0.00014	181	830	1.5	ANNUAL	ALL	1		Grid Receptor 92	G92
647744	4079173	0.00108	155.2	155.2	1.5	ANNUAL	ALL	1		Grid Receptor 1	G1
648144	4079173	0.0007	165.9	165.9	1.5	ANNUAL	ALL	1		Grid Receptor 11	G11
648544	4079173	0.00045	173.5	191	1.5	ANNUAL	ALL	1		Grid Receptor 21	G21
648944	4079173	0.0003	190.4	194	1.5	ANNUAL	ALL	1		Grid Receptor 31	G31
649344	4079173	0.00022	187.4	801	1.5	ANNUAL	ALL	1		Grid Receptor 41	G41
649744	4079173	0.0002	176.1	830	1.5	ANNUAL	ALL	1		Grid Receptor 51	G51
650144	4079173	0.00018	173	830	1.5	ANNUAL	ALL	1		Grid Receptor 61	G61
650544	4079173	0.00016	177	830	1.5	ANNUAL	ALL	1		Grid Receptor 71	G71
650944	4079173	0.00013	181.3	830	1.5	ANNUAL	ALL	1		Grid Receptor 81	G81
651344	4079173	0.00012	191	830	1.5	ANNUAL	ALL	1		Grid Receptor 91	G91
			-							<u> </u>	

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

* AERMET (21112): 2018

- 15:19:04
- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	Description	ID	
645996	4078698	324650.3520	123.85	123.85	0	ANNUAL	ALL	1	AQ Monitoring Station	AQ_ST_1	
643903.65	4077719	123422.2428	105.68	105.68	0	ANNUAL	ALL	1	Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.782	4079416	110504.1329	85.12	85.12	0	ANNUAL	ALL	1	Dunne Park	CR_PK_1	
642179.095	4079950	118045.3266	117.99	117.99	0	ANNUAL	ALL	1	Vista Park Hill Park	CR_PK_2	
644733.142	4078753	220277.3845	106.44	106.44	0	ANNUAL	ALL	1	Las Brisas Park	CR_PK_3	
645608.808	4078854	279358.3193	112.86	112.86	0	ANNUAL	ALL	1	Frank Klauer Memorial Park	CR_PK_4	
644238.054	4078807	190612.8643	95.25	95.25	0	ANNUAL	ALL	1	Veterans Memorial Park	CR_PK_5	
645311.476		169875.0632	134.61	134.61	0	ANNUAL	ALL	1	Park 6	CR_PK_6	
649581.689	4073424	214443.2127	159.96	318	0	ANNUAL	ALL	1	Park 7	CR_PK_7	
645145.11	4077181	178352.0774	133	133	0	ANNUAL	ALL	1	Cerra Vista Elem School	CR_SC_1	
642904.712	4079955	130108.9218	86	86	0	ANNUAL	ALL	1	San Andreas Continuation	CR_SC_10	
645850.678	4074015	71810.8330	123	313	0	ANNUAL	ALL	1	SouthSide School	CR_SC_11	
642105.679	4078176	80084.6141	91	91	0	ANNUAL	ALL	1	School 12	CR_SC_12	
646058.93	4078443	350638.6692	128.52	128.52	0	ANNUAL	ALL	1	Rancho Santana School	CR_SC_13	School 1
647269	4075575	198589.2029	158	158	0	ANNUAL	ALL	1	Future School	CR_SC_14	School 2
648466	4074106	145704.0758	159	240	0	ANNUAL	ALL	1	Tres Pinos Union Elementary School	CR_SC_15	
644109.6	4078389	184278.7787	98.2	98.2	0	ANNUAL	ALL	1	Sunnyslope Elem School	CR_SC_2	
643920.12	4077304	125334.6233	101.23	101.23	0	ANNUAL	ALL	1	Hollister Montessori School	CR_SC_3	
642961.07	4078621	138594.1561	92	92	0	ANNUAL	ALL	1	Rancho San Justo Middle School	CR_SC_4	
643980.02	4079743	160649.4444	88	88	0	ANNUAL	ALL	1	Marguerite Maze Middle School	CR_SC_5	
641630.17	4079153	107747.1245	85	85	0	ANNUAL	ALL	1	Hollister Prep Schoo	CR_SC_6	
643350.03	4077181	106865.2843	98.22	98.22	0	ANNUAL	ALL	1	Ladd Lane Elementary School	CR_SC_7	
644002.96	4080079	147770.9795	87	87	0	ANNUAL	ALL	1	Gabilan Hills Elementary School	CR_SC_8	
642244.858	4078413	98876.4794	90.17	90.17	0	ANNUAL	ALL	1	San Benito High School	CR_SC_9	
642083.447	4079794	112693.4790	87.58	127	0	ANNUAL	ALL	1	Jovenes De Antano	CR_SR_1	
646402	4076879	286676.6681	146.33	153	0	ANNUAL	ALL	1	Workplace	CR_WP_1	
648949	4077938	2029203.5641	189.45	259	0	ANNUAL	ALL	1	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	581323.7363	155.2	155.2	0	ANNUAL	ALL	1	Grid Receptor 1	G1	
647744	4075573	237263.7839	160	160	0	ANNUAL	ALL	1	Grid Receptor 10	G10	
651344	4075573	1020850.5015	252.9	252.9	0	ANNUAL	ALL	1	Grid Receptor 100	G100	
648144	4079173	628181.2031	165.9	165.9	0	ANNUAL	ALL	1	Grid Receptor 11	G11	
648144	4078773	789669.4778	159.6	159.6	0	ANNUAL	ALL	1	Grid Receptor 12	G12	
648144	4078373	968216.0387	146.2	146.2	0	ANNUAL	ALL	1	Grid Receptor 13	G13	
648144	4077973	1165163.1231	158.3	181	0	ANNUAL	ALL	1	Grid Receptor 14	G14	
648144	4077573	1297938.8896	166.6	179	0	ANNUAL	ALL	1	Grid Receptor 15	G15	
648144	4077173	1168896.3284	175.4	175.4	0	ANNUAL	ALL	1	Grid Receptor 16	G16	
648144	4076773	814279.6134	177.1	240	0	ANNUAL	ALL	1	Grid Receptor 17	G17	
648144	4076373	519470.0366	178	240	0	ANNUAL	ALL	1	Grid Receptor 18	G18	
648144	4075973	361873.6632	173	240	0	ANNUAL	ALL	1	Grid Receptor 19	G19	
647744	4078773	666701.4079	145.4	145.4	0	ANNUAL	ALL	1	Grid Receptor 2	G2	

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X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	Description	ID
648144	4075573	263899.4314	168.8	190	0	ANNUAL	ALL	1	Grid Receptor 20	G20
648544	4079173	612394.5537	173.5	191	0	ANNUAL	ALL	1	Grid Receptor 21	G21
648544	4078773	833899.3408	166.2	166.2	0	ANNUAL	ALL	1	Grid Receptor 22	G22
648544	4078373	1140939.1305	145.4	253	0	ANNUAL	ALL	1	Grid Receptor 23	G23
648544	4077973	1614766.2866	173.9	214	0	ANNUAL	ALL	1	Grid Receptor 24	G24
648544	4077573	2033284.9505	179.6	227	0	ANNUAL	ALL	1	Grid Receptor 25	G25
648544	4077173	1996290.1157	191	226	0	ANNUAL	ALL	1	Grid Receptor 26	G26
648544	4076773	1536734.7802	209.2	240	0	ANNUAL	ALL	1	Grid Receptor 27	G27
648544	4076373	840280.0276	233.7	240	0	ANNUAL	ALL	1	Grid Receptor 28	G28
648544	4075973	507060.5767	199.9	240	0	ANNUAL	ALL	1	Grid Receptor 29	G29
647744	4078373	756956.4447	144.4	144.4	0	ANNUAL	ALL	1	Grid Receptor 3	G3
648544	4075573	334170.8802	195.5	227	0	ANNUAL	ALL	1	Grid Receptor 30	G30
648944	4079173	561815.3142	190.4	194	0	ANNUAL	ALL	1	Grid Receptor 31	G31
648944	4078773	790796.1353	165.4	165.4	0	ANNUAL	ALL	1	Grid Receptor 32	G32
648944	4078373	1197735.3455	159.6	259	0	ANNUAL	ALL	1	Grid Receptor 33	G33
648944	4077973	1910059.3274	183.5	259	0	ANNUAL	ALL	1	Grid Receptor 34	G34
648944	4077573	4319526.9360	224	226	0	ANNUAL	ALL	1	Grid Receptor 35	G35
648944	4076373	1172101.2727	205	240	0	ANNUAL	ALL	1	Grid Receptor 38	G38
648944	4075973	724821.3761	208.8	220	0	ANNUAL	ALL	1	Grid Receptor 39	G39
647744	4077973	867512.6625	134.6	181	0	ANNUAL	ALL	1	Grid Receptor 4	G4
648944	4075573	428633.4815	185.6	300	0	ANNUAL	ALL	1	Grid Receptor 40	G40
649344	4079173	438637.6538	187.4	801	0	ANNUAL	ALL	1	Grid Receptor 41	G41
649344	4078773	648931.3604	160.9	813	0	ANNUAL	ALL	1	Grid Receptor 42	G42
649344	4078373	1269402.9204	200.5	221	0	ANNUAL	ALL	1	Grid Receptor 43	G43
649344	4077973	2608451.1850	229	253	0	ANNUAL	ALL	1	Grid Receptor 44	G44
649344	4077573	1747883.1715	253.3	259	0	ANNUAL	ALL	1	Grid Receptor 45	G45
649344	4076373	3460555.0934	220.2	263	0	ANNUAL	ALL	1	Grid Receptor 48	G48
649344	4075973	1401055.1993	227.2	227.2	0	ANNUAL	ALL	1	Grid Receptor 49	G49
647744	4077573	910109.2663	163.8	171	0	ANNUAL	ALL	1	Grid Receptor 5	G5
649344	4075573	787171.2836	205.5	300	0	ANNUAL	ALL	1	Grid Receptor 50	G50
649744	4079173	340915.3721	176.1	830	0	ANNUAL	ALL	1	Grid Receptor 51	G51
649744	4078773	539765.0050	195	813	0	ANNUAL	ALL	1	Grid Receptor 52	G52
649744	4078373	917598.4158	196.1	227	0	ANNUAL	ALL	1	Grid Receptor 53	G53
649744	4077973	2394021.4013	215.3	251	0	ANNUAL	ALL	1	Grid Receptor 54	G54
649744	4077573	7282800.6735	221.6	259	0	ANNUAL	ALL	1	Grid Receptor 55	G55
649744	4076373	7407543.5524	211.7	266	0	ANNUAL	ALL	1	Grid Receptor 58	G58
649744	4075973	2028811.2726	237.7	257	0	ANNUAL	ALL	1	Grid Receptor 59	G59
647744	4077173	773930.6451	158.4	171	0	ANNUAL	ALL	1	Grid Receptor 6	G6
649744	4075573	1249723.1028	204.2	300	0	ANNUAL	ALL	1	Grid Receptor 60	G60
650144	4079173	298798.0672	173	830	0	ANNUAL	ALL	1	Grid Receptor 61	G61

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X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	Description	ID
650144	4078773	411563.6331	171	830	0	ANNUAL	ALL	1	Grid Receptor 62	G62
650144	4078373	729070.4757	204.6	813	0	ANNUAL	ALL	1	Grid Receptor 63	G63
650144	4077973	1560968.1659	216.5	290	0	ANNUAL	ALL	1	Grid Receptor 64	G64
650144	4077573	1312727.1222	257.7	257.7	0	ANNUAL	ALL	1	Grid Receptor 65	G65
650144	4076373	5808936.3773	231.4	272	0	ANNUAL	ALL	1	Grid Receptor 68	G68
650144	4075973	1694086.4100	249.4	266	0	ANNUAL	ALL	1	Grid Receptor 69	G69
647744	4076773	593886.9457	164.7	164.7	0	ANNUAL	ALL	1	Grid Receptor 7	G7
650144	4075573	1742973.2066	216.4	300	0	ANNUAL	ALL	1	Grid Receptor 70	G70
650544	4079173	261647.7622	177	830	0	ANNUAL	ALL	1	Grid Receptor 71	G71
650544	4078773	347394.8966	180.9	830	0	ANNUAL	ALL	1	Grid Receptor 72	G72
650544	4078373	533967.4294	196.6	830	0	ANNUAL	ALL	1	Grid Receptor 73	G73
650544	4077973	925339.9769	236.9	801	0	ANNUAL	ALL	1	Grid Receptor 74	G74
650544	4077573	635752.8105	261.3	287	0	ANNUAL	ALL	1	Grid Receptor 75	G75
650544	4076373	1821074.5471	260.9	260.9	0	ANNUAL	ALL	1	Grid Receptor 78	G78
650544	4075973	3020088.7887	226.7	287	0	ANNUAL	ALL	1	Grid Receptor 79	G79
647744	4076373	395007.3463	164	164	0	ANNUAL	ALL	1	Grid Receptor 8	G8
650544	4075573	701897.8145	268.2	287	0	ANNUAL	ALL	1	Grid Receptor 80	G80
650944	4079173	225042.6407	181.3	830	0	ANNUAL	ALL	1	Grid Receptor 81	G81
650944	4078773	285722.0958	178.4	830	0	ANNUAL	ALL	1	Grid Receptor 82	G82
650944	4078373	532684.1227	214.8	830	0	ANNUAL	ALL	1	Grid Receptor 83	G83
650944	4077973	464318.2642	249.9	813	0	ANNUAL	ALL	1	Grid Receptor 84	G84
650944	4077573	382817.8581	276.5	296	0	ANNUAL	ALL	1	Grid Receptor 85	G85
650944	4077173	3708932.3521	225.6	296	0	ANNUAL	ALL	1	Grid Receptor 86	G86
650944	4076773	5357487.8430	219.8	267	0	ANNUAL	ALL	1	Grid Receptor 87	G87
650944	4076373	3524897.4574	209.2	273	0	ANNUAL	ALL	1	Grid Receptor 88	G88
650944	4075973	2527210.8224	216.6	287	0	ANNUAL	ALL	1	Grid Receptor 89	G89
647744	4075973	279201.7269	160.7	160.7	0	ANNUAL	ALL	1	Grid Receptor 9	G9
650944	4075573	1488359.8225	243.2	289	0	ANNUAL	ALL	1	Grid Receptor 90	G90
651344	4079173	205267.6375	191	830	0	ANNUAL	ALL	1	Grid Receptor 91	G91
651344	4078773	264070.4832	181	830	0	ANNUAL	ALL	1	Grid Receptor 92	G92
651344	4078373	477667.1541	214.3	830	0	ANNUAL	ALL	1	Grid Receptor 93	G93
651344	4077973	451144.5488	248.4	826	0	ANNUAL	ALL	1	Grid Receptor 94	G94
651344	4077573	1097219.3060	213.2	826	0	ANNUAL	ALL	1	Grid Receptor 95	G95
651344	4077173	1802598.2425	213.6	813	0	ANNUAL	ALL	1	Grid Receptor 96	G96
651344	4076773	2134538.2004	203.5	813	0	ANNUAL	ALL	1	Grid Receptor 97	G97
651344	4076373	2169043.8731	205.6	220	0	ANNUAL	ALL	1	Grid Receptor 98	G98
651344	4075973	1861356.8275	205.8	269	0	ANNUAL	ALL	1	Grid Receptor 99	G99
648584.24	4077523	2188172.8213	183.61	227	0	ANNUAL	ALL	1	Boundary Perimeter 1	P1
649484.05	4077537	1858202.1534	254.01	257	0	ANNUAL	ALL	1	Boundary Perimeter 10	P10
649584.03	4077539	4985200.8445	235.3	259	0	ANNUAL	ALL	1	Boundary Perimeter 11	P11

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X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	Description	ID
649684.02	4077540	7745265.0635	221.29	259	0	ANNUAL	ALL	1	Boundary Perimeter 12	P12
649784	4077541	8490538.3230	222.37	260	0	ANNUAL	ALL	1	Boundary Perimeter 13	P13
649883.99	4077542	6116638.2297	233.6	259	0	ANNUAL	ALL	1	Boundary Perimeter 14	P14
649983.97	4077543	2491755.3859	249.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 15	P15
650083.94	4077546	1614823.6438	258.89	258.89	0	ANNUAL	ALL	1	Boundary Perimeter 16	P16
650183.91	4077548	1340004.7912	259.56	259.56	0	ANNUAL	ALL	1	Boundary Perimeter 17	P17
650283.87	4077550	1124493.5294	256.77	266	0	ANNUAL	ALL	1	Boundary Perimeter 18	P18
650383.84	4077552	1852252.3780	242.37	290	0	ANNUAL	ALL	1	Boundary Perimeter 19	P19
648684.22	4077525	2608638.3781	197.16	227	0	ANNUAL	ALL	1	Boundary Perimeter 2	P2
650483.81	4077554	1632936.7506	242.23	296	0	ANNUAL	ALL	1	Boundary Perimeter 20	P20
650583.78	4077557	700494.2518	259.71	290	0	ANNUAL	ALL	1	Boundary Perimeter 21	P21
650683.75	4077559	715952.9168	257.58	296	0	ANNUAL	ALL	1	Boundary Perimeter 22	P22
650776.81	4077554	517550.0228	267.9	296	0	ANNUAL	ALL	1	Boundary Perimeter 23	P23
650778.91	4077454	595056.8290	275.91	275.91	0	ANNUAL	ALL	1	Boundary Perimeter 24	P24
650781	4077354	976913.4916	265.73	281	0	ANNUAL	ALL	1	Boundary Perimeter 25	P25
650783.1	4077254	1920061.5670	251.08	282	0	ANNUAL	ALL	1	Boundary Perimeter 26	P26
650785.19	4077154	2449061.7818	252.83	281	0	ANNUAL	ALL	1	Boundary Perimeter 27	P27
650787.29	4077054	3799271.1472	246.1	269	0	ANNUAL	ALL	1	Boundary Perimeter 28	P28
650789.38	4076954	5097333.3683	241.37	269	0	ANNUAL	ALL	1	Boundary Perimeter 29	P29
648784.19	4077527	3355773.5265	209.74	209.74	0	ANNUAL	ALL	1	Boundary Perimeter 3	Р3
650791.48	4076854	4408405.1127	246.79	251	0	ANNUAL	ALL	1	Boundary Perimeter 30	P30
650793.57	4076754	7716462.4052	228.75	264	0	ANNUAL	ALL	1	Boundary Perimeter 31	P31
650754.39	4076683	7739304.0338	217.76	271	0	ANNUAL	ALL	1	Boundary Perimeter 32	P32
650660.22	4076650	8588640.0231	221.2	273	0	ANNUAL	ALL	1	Boundary Perimeter 33	P33
650561.43	4076650	9440015.7178	220.83	273	0	ANNUAL	ALL	1	Boundary Perimeter 34	P34
650462.72	4076666	10368214.2345	223.42	273	0	ANNUAL	ALL	1	Boundary Perimeter 35	P35
650364.01	4076682	11102883.0235	222.46	263	0	ANNUAL	ALL	1	Boundary Perimeter 36	P36
650264.24	4076683	11121590.5437	223.19	263	0	ANNUAL	ALL	1	Boundary Perimeter 37	P37
650164.71	4076674	11456490.8406	222.1	249	0	ANNUAL	ALL	1	Boundary Perimeter 38	P38
650065.8	4076660	11893541.8291	217.03	264	0	ANNUAL	ALL	1	Boundary Perimeter 39	P39
648884.17	4077529	4043638.7054	214.25	227	0	ANNUAL	ALL	1	Boundary Perimeter 4	P4
649980.44	4076627	12408169.4971	214.82	264	0	ANNUAL	ALL	1	Boundary Perimeter 40	P40
649920.26	4076547	12126829.1856	214.91	264	0	ANNUAL	ALL	1	Boundary Perimeter 41	P41
649852.19	4076474	10804121.6882	214.09	266	0	ANNUAL	ALL	1	Boundary Perimeter 42	P42
649770.68	4076417	8918023.3862	211.53	266	0	ANNUAL	ALL	1	Boundary Perimeter 43	P43
649680.48	4076375	7197205.0213	210.17	266	0	ANNUAL	ALL	1	Boundary Perimeter 44	P44
649580.91	4076368	5708180.8847	208.52	264	0	ANNUAL	ALL	1	Boundary Perimeter 45	P45
649482.48	4076384	4595498.1973	207.5	264	0	ANNUAL	ALL	1	Boundary Perimeter 46	P46
649391.59	4076425	4111663.3869	205.17	264	0	ANNUAL	ALL	1	Boundary Perimeter 47	P47
649303.5	4076472	3519573.5738	202.16	264	0	ANNUAL	ALL	1	Boundary Perimeter 48	P48

09/02/21

PMI

- * AERMOD (19191): Appendix B Attachment Future Peak Emissions for Closure Area
- * AERMET (21112): 2018

- 15:19:04
- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	Description	ID
649226.19	4076535	3335527.5347	196.38	264	0	ANNUAL	ALL	1	Boundary Perimeter 49	P49
648984.14	4077530	4783263.2203	221.41	221.41	0	ANNUAL	ALL	1	Boundary Perimeter 5	P5
649156.2	4076605	3415700.9662	195.87	264	0	ANNUAL	ALL	1	Boundary Perimeter 50	P50
649068.25	4076653	2948229.5641	196.32	264	0	ANNUAL	ALL	1	Boundary Perimeter 51	P51
648986.7	4076711	2718952.9435	192.42	263	0	ANNUAL	ALL	1	Boundary Perimeter 52	P52
648936.53	4076759	2660861.0483	192.46	250	0	ANNUAL	ALL	1	Boundary Perimeter 53	P53
648868.58	4076833	2578129.9420	191.63	250	0	ANNUAL	ALL	1	Boundary Perimeter 54	P54
648797.23	4076902	2423000.9789	186.32	250	0	ANNUAL	ALL	1	Boundary Perimeter 55	P55
648710.56	4076952	2160905.5254	179.81	250	0	ANNUAL	ALL	1	Boundary Perimeter 56	P56
648620.79	4076996	1949701.6108	176.23	250	0	ANNUAL	ALL	1	Boundary Perimeter 57	P57
648607.19	4077051	2008147.1155	175.02	250	0	ANNUAL	ALL	1	Boundary Perimeter 58	P58
648680.07	4077119	2381302.5616	180.62	250	0	ANNUAL	ALL	1	Boundary Perimeter 59	P59
649084.12	4077532	4954856.1984	216.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 6	P6
648759.24	4077180	2870646.0759	183.47	259	0	ANNUAL	ALL	1	Boundary Perimeter 60	P60
648791.44	4077262	3386047.4978	202.88	245	0	ANNUAL	ALL	1	Boundary Perimeter 61	P61
648788.45	4077362	3129277.6382	178.21	259	0	ANNUAL	ALL	1	Boundary Perimeter 62	P62
648691.25	4077361	2637846.2402	176.25	259	0	ANNUAL	ALL	1	Boundary Perimeter 63	P63
648591.35	4077357	2239178.7868	176	259	0	ANNUAL	ALL	1	Boundary Perimeter 64	P64
648525.69	4077371	2031944.8815	175.24	245	0	ANNUAL	ALL	1	Boundary Perimeter 65	P65
648586.93	4077430	2226486.8372	175.13	259	0	ANNUAL	ALL	1	Boundary Perimeter 66	P66
649184.09	4077534	4959347.2272	230.71	259	0	ANNUAL	ALL	1	Boundary Perimeter 7	P7
649284.08	4077535	2299759.3347	248.08	259	0	ANNUAL	ALL	1	Boundary Perimeter 8	P8
649384.06	4077536	1519592.2388	258.43	258.43	0	ANNUAL	ALL	1	Boundary Perimeter 9	P9
645930	4077983	333713.6258	127.38	127.38	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4077983	350207.0639	131.21	131.21	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4077983	367762.2001	135.89	135.89	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4077983	386145.1636	139.18	139.18	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4077983	405281.7751	140.76	140.76	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4077983	426029.2626	143.89	143.89	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4077983	447571.9316	145.22	145.22	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4077983	470664.5144	147.21	147.21	0	ANNUAL	ALL	1	New Development	RP_G1
646730	4077983	494902.8922	148.3	160	0	ANNUAL	ALL	1	New Development	RP_G1
645930	4078083	341249.7561	127.58	127.58	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4078083	356746.0154	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4078083	373379.2755	134.35	134.35	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4078083	391379.9457	139.22	139.22	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4078083	410861.8133	144.65	144.65	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4078083	429096.1165	142.28	142.28	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4078083	450437.7887	146.76	146.76	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4078083	472939.0657	150.64	150.64	0	ANNUAL	ALL	1	New Development	RP_G1

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X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	Description	ID
646730	4078083	497432.6562	155.4	157	0	ANNUAL	ALL	1	New Development	RP_G1
645930	4078183	344472.4178	127.22	127.22	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4078183	359522.6397	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4078183	375389.6167	133.89	133.89	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4078183	392806.5009	140.45	140.45	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4078183	411468.3667	146.94	146.94	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4078183	426533.1186	140.23	140.23	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4078183	446636.4860	147.25	147.25	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4078183	467168.9148	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP_G1
646730	4078183	490453.6764	157.78	166	0	ANNUAL	ALL	1	New Development	RP_G1
645930	4078283	344309.7246	126.06	126.06	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4078283	358201.7422	129.56	129.56	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4078283	372537.8495	132.89	132.89	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4078283	388099.8030	139.24	139.24	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4078283	403737.9099	142.68	142.68	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4078283	418266.8282	140.02	140.02	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4078283	436570.5360	147.22	147.22	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4078283	455378.6781	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP_G1
646730	4078283	476497.7488	156.78	166	0	ANNUAL	ALL	1	New Development	RP_G1
648659.32	4077241	2731545.4272	205.79	205.79	0	ANNUAL	ALL	1	House 1	RP_H1
648071.24	4076116	374474.5642	169.6	240	0	ANNUAL	ALL	1	House 10	RP_H10
648247.37	4076278	502248.9886	184.55	240	0	ANNUAL	ALL	1	House 11	RP_H11
648027.19	4076255	415633.3179	169.38	240	0	ANNUAL	ALL	1	House 12	RP_H12
648065.77	4076359	481488.4303	173.83	240	0	ANNUAL	ALL	1	House 13	RP_H13
648138.68	4076400	534343.9715	178.22	240	0	ANNUAL	ALL	1	House 14	RP_H14
648254.71	4076411	610917.5879	191.28	240	0	ANNUAL	ALL	1	House 15	RP_H15
647877.81	4076365	425522.9692	165.39	240	0	ANNUAL	ALL	1	House 16	RP_H16
647520	4076206	292951.3575	159	159	0	ANNUAL	ALL	1	House 17	RP_H17
647921	4076247	384152.8256	164	240	0	ANNUAL	ALL	1	House 18	RP_H18
647708.78	4076352	378200.6606	163.52	163.52	0	ANNUAL	ALL	1	House 19	RP_H19
648371.71	4075470	259680.7616	173.69	227	0	ANNUAL	ALL	1	House 2	RP_H2
647703.58	4076251	338358.6651	162.17	162.17	0	ANNUAL	ALL	1	House 20	RP_H20
647718.77	4076104	297973.9818	159.35	159.35	0	ANNUAL	ALL	1	House 21	RP_H21
647843.32	4076125	326666.1261	163	234	0	ANNUAL	ALL	1	House 22	RP_H22
647842.26	4076500	479629.9451	167.93	167.93	0	ANNUAL	ALL	1	House 23	RP_H23
647727.75	4076644	521567.5868	164.15	164.15	0	ANNUAL	ALL	1	House 24	RP_H24
647823.91	4076644	554246.9153	168.29	168.29	0	ANNUAL	ALL	1	House 25	RP_H25
647530	4076497	395160.7952	159.56	159.56	0	ANNUAL	ALL	1	House 26	RP_H26
647810.11	4076854	668543.0224	162.9	162.9	0	ANNUAL	ALL	1	House 27	RP_H27
647697.48	4076989	674577.2097	161.42	162	0	ANNUAL	ALL	1	House 28	RP_H28

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X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	Description	ID	
648225.5	4076182	444733.0564	183.22	240	0	ANNUAL	ALL	1	House 29	RP H29	
647678.23	4075969	267476.3439	159.5	159.5	0	ANNUAL	ALL	1	House 3	RP H3	1
645876.32	4077487	260468.2035	127.13	142	0	ANNUAL	ALL	1	House 30	RP H30	1
650902	4076062	2806307.9901	215.24	287	0	ANNUAL	ALL	1	House 31	RP H31	MEIR
651490	4076597	1842317.3526	205.5	813	0	ANNUAL	ALL	1	House 32	RP H32	1
651565	4077067	1526380.4902	213.93	813	0	ANNUAL	ALL	1	House 33	RP_H33	
648672.77	4075307	365364.5568	225.91	227	0	ANNUAL	ALL	1	House 34	RP_H34	
648383.6	4075469	261107.8500	174.44	227	0	ANNUAL	ALL	1	House 35	RP_H35	
646379.37	4077233	309382.1653	146	146	0	ANNUAL	ALL	1	House 36	RP_H36	
651849.72	4075865	1172913.1139	201.97	333	0	ANNUAL	ALL	1	House 37	RP_H37	
652045.49	4076210	1035484.8898	196.88	813	0	ANNUAL	ALL	1	House 38	RP_H38	
652255.69	4076391	864301.7272	197.06	813	0	ANNUAL	ALL	1	House 39	RP_H39	
647815.25	4075985	293658.4209	162.04	162.04	0	ANNUAL	ALL	1	House 4	RP_H4	
646853.73	4077373	428785.3823	145.99	145.99	0	ANNUAL	ALL	1	House 40	RP_H40	
647050.21	4077360	484519.4948	145	145	0	ANNUAL	ALL	1	House 41	RP_H41	
647286.42	4077474	607102.9372	149.68	153	0	ANNUAL	ALL	1	House 42	RP_H42	
647359.05	4077340	602620.6027	154.45	159	0	ANNUAL	ALL	1	House 43	RP_H43	
647490.41	4077329	668395.7926	162.28	162.28	0	ANNUAL	ALL	1	House 44	RP_H44	
647522.17	4077252	664728.1881	164.3	164.3	0	ANNUAL	ALL	1	House 45	RP_H45	
647517.82	4077139	631262.9127	164.01	164.01	0	ANNUAL	ALL	1	House 46	RP_H46	
646819.01	4077258	404188.5492	151.53	152	0	ANNUAL	ALL	1	House 47	RP_H47	
646778.72	4077128	375220.4281	158.51	158.51	0	ANNUAL	ALL	1	House 48	RP_H48	
646987.26	4077213	440027.9331	146.44	146.44	0	ANNUAL	ALL	1	House 49	RP_H49	
647898.2	4076033	316789.8556	163.83	237	0	ANNUAL	ALL	1	House 5	RP_H5	
647241.77	4077227	527970.0024	154.85	154.85	0	ANNUAL	ALL	1	House 50	RP_H50	
646773.05	4077063	365219.8985	159	159	0	ANNUAL	ALL	1	House 51	RP_H51	
647104.37	4077118	457978.3280	148.99	148.99	0	ANNUAL	ALL	1	House 52	RP_H52	
647291.9	4077123	526264.5951	158.62	158.62	0	ANNUAL	ALL	1	House 53	RP_H53	
646765.24	4076978	354436.6566	158.67	158.67	0	ANNUAL	ALL	1	House 54	RP_H54	
646995.65	4076984	402862.7095	152.34	152.34	0	ANNUAL	ALL	1	House 55	RP_H55	
647317.21	4077031	513891.4651	160.22	160.22	0	ANNUAL	ALL	1	House 56	RP_H56	
647398.39	4077013	540185.0216	161.26	161.26	0	ANNUAL	ALL	1	House 57	RP_H57	
646978.93	4076904	387193.7058	156.81	156.81	0	ANNUAL	ALL	1	House 58	RP_H58	
647015.19	4076807	381473.7473	156.21	156.21	0	ANNUAL	ALL	1	House 59	RP_H59	
648045.44	4076018	346253.5798	168.26	240	0	ANNUAL	ALL	1	House 6	RP_H6	
647163.96	4076802	414138.2933	154.38	154.38	0	ANNUAL	ALL	1	House 60	RP_H60	
647310.58	4076940	485223.2478	162.49	162.49	0	ANNUAL	ALL	1	House 61	RP_H61	
647298.09	4076805	450348.3034	158	158	0	ANNUAL	ALL	1	House 62	RP_H62	
647446.56	4076900	519666.3457	159.45	159.45	0	ANNUAL	ALL	1	House 63	RP_H63	
647464.49	4076781	495464.9347	159.32	159.32	0	ANNUAL	ALL	1	House 64	RP_H64	

* AERMET (21112): 2018

15:19:04

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X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	Description	ID
647512	4076536	409139.1354	159	159	0	ANNUAL	ALL	1	House 65	RP_H65
651131	4078767	273311.0047	179.58	830	0	ANNUAL	ALL	1	House 66	RP_H66
647131	4077336	507809.3253	146.77	146.77	0	ANNUAL	ALL	1	House 67	RP_H67
646798	4076740	332889.1795	156.07	156.07	0	ANNUAL	ALL	1	House 68	RP_H68
646900	4076802	358764.6433	159	159	0	ANNUAL	ALL	1	House 69	RP_H69
648126.33	4075955	354450.8064	171.51	240	0	ANNUAL	ALL	1	House 7	RP_H7
647317	4076662	423859.1849	159.9	159.9	0	ANNUAL	ALL	1	House 70	RP_H70
648249.26	4075970	392369.9675	183.42	240	0	ANNUAL	ALL	1	House 8	RP_H8
648218.58	4076109	415859.4815	182.28	240	0	ANNUAL	ALL	1	House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

Concetration values multiplied by a factor of 10 to convert from 0.1 lb/hr-SF to 1 lb/hr-SF for dispersion factor use.

* AERMET (19191): 2019 15:27:04

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- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* FURM	IAI: (A,IX,3	5(1X,F13.5),5(1X,F8.2),2X,A	10,2A,A8,2A,	18.8,2 <i>A</i> ,A8)								
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
645996	4078698	200267.96560	123.85	123.85	0	ANNUAL	ALL	1		AQ Monitoring Station	AQ_ST_1	
643903.65	4077719	42259.67260	105.68	105.68	0	ANNUAL	ALL	1		Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.782	4079416	48819.65210	85.12	85.12	0	ANNUAL	ALL	1		Dunne Park	CR_PK_1	
642179.095	4079950	58682.34860	117.99	117.99	0	ANNUAL	ALL	1		Vista Park Hill Park	CR_PK_2	
644733.142	4078753	103938.62780	106.44	106.44	0	ANNUAL	ALL	1		Las Brisas Park	CR_PK_3	
645608.808	4078854	169346.63490	112.86	112.86	0	ANNUAL	ALL	1		Frank Klauer Memorial Park	CR_PK_4	
644238.054	4078807	85835.15170	95.25	95.25	0	ANNUAL	ALL	1		Veterans Memorial Park	CR_PK_5	
645311.476	4076559	61583.50340	134.61	134.61	0	ANNUAL	ALL	1		Park 6	CR_PK_6	
649581.689	4073424	215515.82600	159.96	318	0	ANNUAL	ALL	1		Park 7	CR_PK_7	
645145.11	4077181	54163.74090	133	133	0	ANNUAL	ALL	1		Cerra Vista Elem School	CR_SC_1	
642904.712	4079955	74495.36880	86	86	0	ANNUAL	ALL	1		San Andreas Continuation	CR_SC_10	
645850.678	4074015	53307.15620	123	313	0	ANNUAL	ALL	1		SouthSide School	CR_SC_11	
642105.679	4078176	24370.85740	91	91	0	ANNUAL	ALL	1		School 12	CR_SC_12	
646058.93	4078443	188442.30750	128.52	128.52	0	ANNUAL	ALL	1		Rancho Santana School	CR_SC_13 S	School 1
647269	4075575	125121.48780	158	158	0	ANNUAL	ALL	1		Future School	CR_SC_14 S	
648466	4074106	142953.25640	159	240	0	ANNUAL	ALL	1		Tres Pinos Union Elementary School	CR_SC_15	
644109.6	4078389	70540.29630	98.2	98.2	0	ANNUAL	ALL	1		Sunnyslope Elem School	CR_SC_2	
643920.12	4077304	37324.29530	101.23	101.23	0	ANNUAL	ALL	1		Hollister Montessori School	CR SC 3	
642961.07	4078621	52687.75250	92	92	0	ANNUAL	ALL	1		Rancho San Justo Middle School	CR SC 4	
643980.02	4079743	104908.49380	88	88	0	ANNUAL	ALL	1		Marguerite Maze Middle School	CR_SC_5	
641630.17	4079153	43981.01780	85	85	0	ANNUAL	ALL	1		Hollister Prep Schoo	CR SC 6	
643350.03	4077181	29942.62060	98.22	98.22	0	ANNUAL	ALL	1		Ladd Lane Elementary School	CR SC 7	
644002.96	4080079	114237.05420	87	87	0	ANNUAL	ALL	1		Gabilan Hills Elementary School	CR SC 8	
642244.858	4078413	31383.54510	90.17	90.17	0	ANNUAL	ALL	1		San Benito High School	CR SC 9	
642083.447	4079794	52113.80860	87.58	127	0	ANNUAL	ALL	1		Jovenes De Antano	CR SR 1	
646402	4076879	94680.49740	146.33	153	0	ANNUAL	ALL	1		Workplace	CR WP 1	
648949	4077938	2274519.12030	189.45	259	0	ANNUAL	ALL	1		Nearest Workplace	CR WP 2	MEIW
647744	4079173	674122.33120	155.2	155.2	0	ANNUAL	ALL	1		Grid Receptor 1	G1	
647744	4075573	156791.49740	160	160	0	ANNUAL	ALL	1		Grid Receptor 10	G10	
651344	4075573	980945.62610	252.9	252.9	0	ANNUAL	ALL	1		Grid Receptor 100	G100	
648144	4079173	781339.05240	165.9	165.9	0	ANNUAL	ALL	1		Grid Receptor 11	G11	
648144	4078773	911328.47150	159.6	159.6	0	ANNUAL	ALL	1		Grid Receptor 12	G12	
648144	4078373	1000854.15430	146.2	146.2	0	ANNUAL	ALL	1		Grid Receptor 13	G13	
648144	4077973	968062.35030	158.3	181	0	ANNUAL	ALL	1		Grid Receptor 14	G14	
648144	4077573	730131.54610	166.6	179	0	ANNUAL	ALL	1		Grid Receptor 15	G15	
648144	4077173	451324.64320	175.4	175.4	0	ANNUAL	ALL	1		Grid Receptor 16	G16	
648144	4076773	353073.64650	177.1	240	0	ANNUAL	ALL	1		Grid Receptor 17	G17	
648144	4076373	325810.52430	178	240	0	ANNUAL	ALL	1		Grid Receptor 18	G18	
648144	4075973	256552.90290	173	240	0	ANNUAL	ALL	1		Grid Receptor 19	G19	
647744	4078773	708993.91700	145.4	145.4	0	ANNUAL	ALL	1		Grid Receptor 2	G2	
648144	4075573	218020.34800	168.8	190	0	ANNUAL	ALL	1		Grid Receptor 20	G20	
648544	4079173	786134.00880	173.5	191	0	ANNUAL	ALL	1		Grid Receptor 21	G21	
648544	4078773	1048536.14280	166.2	166.2	0	ANNUAL	ALL	1		Grid Receptor 22	G22	
648544	4078373	1306763.31190	145.4	253	0	ANNUAL	ALL	1		Grid Receptor 23	G23	

* AERMET (19191): 2019

15:27:04

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 289 RECEPTORS.

FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		(1X,F13.5),3(1X,F8.2),2X,2									
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648544	4077973	1587948.22280	173.9	214	0	ANNUAL	ALL	1		Grid Receptor 24	G24
648544	4077573	1477236.92500	179.6	227	0	ANNUAL	ALL	1		Grid Receptor 25	G25
648544	4077173	925942.94730	191	226	0	ANNUAL	ALL	1		Grid Receptor 26	G26
648544	4076773	709965.00700	209.2	240	0	ANNUAL	ALL	1		Grid Receptor 27	G27
648544	4076373	574737.11340	233.7	240	0	ANNUAL	ALL	1		Grid Receptor 28	G28
648544	4075973	396918.23150	199.9	240	0	ANNUAL	ALL	1		Grid Receptor 29	G29
647744	4078373	697986.51660	144.4	144.4	0	ANNUAL	ALL	1		Grid Receptor 3	G3
648544	4075573	317040.11970	195.5	227	0	ANNUAL	ALL	1		Grid Receptor 30	G30
648944	4079173	728906.37430	190.4	194	0	ANNUAL	ALL	1		Grid Receptor 31	G31
648944	4078773	991743.42830	165.4	165.4	0	ANNUAL	ALL	1		Grid Receptor 32	G32
648944	4078373	1466254.46800	159.6	259	0	ANNUAL	ALL	1		Grid Receptor 33	G33
648944	4077973	2157752.07590	183.5	259	0	ANNUAL	ALL	1		Grid Receptor 34	G34
648944	4077573	4005643.72590	224	226	0	ANNUAL	ALL	1		Grid Receptor 35	G35
648944	4076373	913568.50370	205	240	0	ANNUAL	ALL	1		Grid Receptor 38	G38
648944	4075973	660814.11980	208.8	220	0	ANNUAL	ALL	1		Grid Receptor 39	G39
647744	4077973	587682.21840	134.6	181	0	ANNUAL	ALL	1		Grid Receptor 4	G4
648944	4075573	409365.67820	185.6	300	0	ANNUAL	ALL	1		Grid Receptor 40	G40
649344	4079173	541762.01440	187.4	801	0	ANNUAL	ALL	1		Grid Receptor 41	G41
649344	4078773	801863.85260	160.9	813	0	ANNUAL	ALL	1		Grid Receptor 42	G42
649344	4078373	1556233.06480	200.5	221	0	ANNUAL	ALL	1		Grid Receptor 43	G43
649344	4077973	2995934.32020	229	253	0	ANNUAL	ALL	1		Grid Receptor 44	G44
649344	4077573	1964517.43550	253.3	259	0	ANNUAL	ALL	1		Grid Receptor 45	G45
649344	4076373	3176055.57840	220.2	263	0	ANNUAL	ALL	1		Grid Receptor 48	G48
649344	4075973	1362965.85670	227.2	227.2	0	ANNUAL	ALL	1		Grid Receptor 49	G49
647744	4077573	431601.44540	163.8	171	0	ANNUAL	ALL	1		Grid Receptor 5	G5
649344	4075573	784682.96400	205.5	300	0	ANNUAL	ALL	1		Grid Receptor 50	G50
649744	4078773	599073.36130	195	813	0	ANNUAL	ALL	1		Grid Receptor 52	G52
649744	4078373	1066877.39930	196.1	227	0	ANNUAL	ALL	1		Grid Receptor 53	G53
649744	4077973	2752104.00740	215.3	251	0	ANNUAL	ALL	1		Grid Receptor 54	G54
649744	4077573	7225593.96270	221.6	259	0	ANNUAL	ALL	1		Grid Receptor 55	G55
649744	4076373	7041847.76180	211.7	266	0	ANNUAL	ALL	1		Grid Receptor 58	G58
649744	4075973	2009141.44010	237.7	257	0	ANNUAL	ALL	1		Grid Receptor 59	G59
647744	4077173	272985.30040	158.4	171	0	ANNUAL	ALL	1		Grid Receptor 6	G6
649744	4075573	1215698.06680	204.2	300	0	ANNUAL	ALL	1		Grid Receptor 60	G60
650144	4078773	365708.34270	171	830	0	ANNUAL	ALL	1		Grid Receptor 62	G62
650144	4078373	672987.54320	204.6	813	0	ANNUAL	ALL	1		Grid Receptor 63	G63
650144	4077973	1519082.38500	216.5	290	0	ANNUAL	ALL	1		Grid Receptor 64	G64
650144	4077573	1804830.44150	257.7	257.7	0	ANNUAL	ALL	1		Grid Receptor 65	G65
650144	4076373	5349451.60730	231.4	272	0	ANNUAL	ALL	1		Grid Receptor 68	G68
650144	4075973	1718092.99540	249.4	266	0	ANNUAL	ALL	1		Grid Receptor 69	G69
647744	4076773	241596.52500	164.7	164.7	0	ANNUAL	ALL	1		Grid Receptor 7	G7
650144	4075573	1660857.57410	216.4	300	0	ANNUAL	ALL	1		Grid Receptor 70	G70
650544	4078773	292884.17810	180.9	830	0	ANNUAL	ALL	1		Grid Receptor 72	G72
650544	4078373	422608.32770	196.6	830	0	ANNUAL	ALL	1		Grid Receptor 73	G73
030344	1010313	422000.32770	170.0	050	U	11111011L	1100	1		Glid Receptor 75	0/3

* AERMET (19191): 2019 15:2

15:27:04

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* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		3(1X,F13.5),3(1X,F8.2),2X, <i>F</i>				A X 7 E -	CDD	NILIM MOG	NET ID	D : //	ID
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
650544	4077973	636061.63610	236.9	801	0	ANNUAL	ALL	1		Grid Receptor 74	G74
650544	4077573	410803.53870	261.3	287	0	ANNUAL	ALL	1		Grid Receptor 75	G75
650544	4076373	1886614.99410	260.9	260.9	0	ANNUAL	ALL	1		Grid Receptor 78	G78
650544	4075973	2754888.60230	226.7	287	0	ANNUAL	ALL	1		Grid Receptor 79	G79
647744	4076373	244296.60330	164	164	0	ANNUAL	ALL	1		Grid Receptor 8	G8
650544	4075573	727812.08640	268.2	287	0	ANNUAL	ALL	1		Grid Receptor 80	G80
650944	4078773	206273.35150	178.4	830	0	ANNUAL	ALL	1		Grid Receptor 82	G82
650944	4078373	328276.48010	214.8	830	0	ANNUAL	ALL	1		Grid Receptor 83	G83
650944	4077973	260068.49680	249.9	813	0	ANNUAL	ALL	1		Grid Receptor 84	G84
650944	4077573	212556.89080	276.5	296	0	ANNUAL	ALL	1		Grid Receptor 85	G85
650944	4077173	2399265.83600	225.6	296	0	ANNUAL	ALL	1		Grid Receptor 86	G86
650944	4076773	4359791.94960	219.8	267	0	ANNUAL	ALL	1		Grid Receptor 87	G87
650944	4076373	3109593.91180	209.2	273	0	ANNUAL	ALL	1		Grid Receptor 88	G88
650944	4075973	2243658.69300	216.6	287	0	ANNUAL	ALL	1		Grid Receptor 89	G89
647744	4075973	192598.87300	160.7	160.7	0	ANNUAL	ALL	1		Grid Receptor 9	G9
650944	4075573	1366688.73320	243.2	289	0	ANNUAL	ALL	1		Grid Receptor 90	G90
651344	4078773	159001.63460	181	830	0	ANNUAL	ALL	1		Grid Receptor 92	G92
651344	4078373	240082.87480	214.3	830	0	ANNUAL	ALL	1		Grid Receptor 93	G93
651344	4077973	237585.18770	248.4	826	0	ANNUAL	ALL	1		Grid Receptor 94	G94
651344	4077573	612823.17730	213.2	826	0	ANNUAL	ALL	1		Grid Receptor 95	G95
651344	4077173	1159610.91260	213.6	813	0	ANNUAL	ALL	1		Grid Receptor 96	G96
651344	4076773	1664033.79960	203.5	813	0	ANNUAL	ALL	1		Grid Receptor 97	G97
651344	4076373	1848913.84410	205.6	220	0	ANNUAL	ALL	1		Grid Receptor 98	G98
651344	4075973	1617959.79240	205.8	269	0	ANNUAL	ALL	1		Grid Receptor 99	G99
648584.24	4077523	1548882.53780	183.61	227	0	ANNUAL	ALL	1		Boundary Perimeter 1	P1
649484.05	4077537	2058304.20640	254.01	257	0	ANNUAL	ALL	1		Boundary Perimeter 10	P10
649584.03	4077539	4927600.08140	235.3	259	0	ANNUAL	ALL	1		Boundary Perimeter 11	P11
649684.02	4077540	7363049.68700	221.29	259	0	ANNUAL	ALL	1		Boundary Perimeter 12	P12
649784	4077541	8244478.85770	222.37	260	0	ANNUAL	ALL	1		Boundary Perimeter 13	P13
649883.99	4077542	6323848.72760	233.6	259	0	ANNUAL	ALL	1		Boundary Perimeter 14	P14
649983.97	4077543	2998661.12210	249.54	259	0	ANNUAL	ALL	1		Boundary Perimeter 15	P15
650083.94	4077546	2170728.04950	258.89	258.89	0	ANNUAL	ALL	1		Boundary Perimeter 16	P16
650183.91	4077548	1812177.98530	259.56	259.56	0	ANNUAL	ALL	1		Boundary Perimeter 17	P17
650283.87	4077550	1207152.16540	256.77	266	0	ANNUAL	ALL	1		Boundary Perimeter 18	P18
650383.84	4077552	1498068.85010	242.37	290	0	ANNUAL	ALL	1		Boundary Perimeter 19	P19
648684.22	4077525	2002470.34440	197.16	227	0	ANNUAL	ALL	1		Boundary Perimeter 2	P2
650483.81	4077554	1121973.23810	242.23	296	0	ANNUAL	ALL	1		Boundary Perimeter 20	P20
650583.78	4077557	435735.83430	259.71	290	0	ANNUAL	ALL	1		Boundary Perimeter 21	P21
650683.75	4077559	424732.75930	257.58	296	0	ANNUAL	ALL	1		Boundary Perimeter 22	P22
650776.81	4077554	296631.71150	267.9	296	0	ANNUAL	ALL	1		Boundary Perimeter 23	P23
650778.91	4077454	345598.53780	275.91	275.91	0	ANNUAL	ALL	1		Boundary Perimeter 24	P24
650781	4077354	611673.29790	265.73	281	0	ANNUAL	ALL	1		Boundary Perimeter 25	P25
650783.1	4077254	1294743.23260	251.08	282	0	ANNUAL	ALL	1		Boundary Perimeter 26	P26
650785.19	4077254	1816950.74790	252.83	281	0	ANNUAL	ALL	1		Boundary Perimeter 27	P27
030/03.19	+0//134	1010930./4/90	232.03	201	U	ANNUAL	ALL	1		Boundary Fermicies 27	F 2 /

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

PORIV	ин г. (н, гл,	$(1\Lambda, 113.3), 3(1\Lambda, 16.2), 2\Lambda, F$	$A0,2\Lambda,A0,2\Lambda,$	10.0,2A,A0)								
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
650787.29	4077054	3065431.50450	246.1	269	0	ANNUAL	ALL	1		Boundary Perimeter 28	P28	
650789.38	4076954	4208668.68510	241.37	269	0	ANNUAL	ALL	1		Boundary Perimeter 29	P29	Ī
648784.19	4077527	2772923.14830	209.74	209.74	0	ANNUAL	ALL	1		Boundary Perimeter 3	P3	
650791.48	4076854	3922447.96060	246.79	251	0	ANNUAL	ALL	1		Boundary Perimeter 30	P30	Ī
650793.57	4076754	6605984.74270	228.75	264	0	ANNUAL	ALL	1		Boundary Perimeter 31	P31	ı
650754.39	4076683	6730951.50240	217.76	271	0	ANNUAL	ALL	1		Boundary Perimeter 32	P32	İ
650660.22	4076650	7558754.62600	221.2	273	0	ANNUAL	ALL	1		Boundary Perimeter 33	P33	
650561.43	4076650	8409699.85520	220.83	273	0	ANNUAL	ALL	1		Boundary Perimeter 34	P34	1
650462.72	4076666	9266328.24250	223.42	273	0	ANNUAL	ALL	1		Boundary Perimeter 35	P35	
650364.01	4076682	9852854.71270	222.46	263	0	ANNUAL	ALL	1		Boundary Perimeter 36	P36	İ
650264.24	4076683	9769831.42230	223.19	263	0	ANNUAL	ALL	1		Boundary Perimeter 37	P37	
650164.71	4076674	9974595.38320	222.1	249	0	ANNUAL	ALL	1		Boundary Perimeter 38	P38	İ
650065.8	4076660	10382614.34600	217.03	264	0	ANNUAL	ALL	1		Boundary Perimeter 39	P39	
648884.17	4077529	3556930.40530	214.25	227	0	ANNUAL	ALL	1		Boundary Perimeter 4	P4	İ
649980.44	4076627	10870574.22030	214.82	264	0	ANNUAL	ALL	1		Boundary Perimeter 40	P40	PMI
649920.26	4076547	10814264.57790	214.91	264	0	ANNUAL	ALL	1		Boundary Perimeter 41	P41	Ī
649852.19	4076474	9928357.55720	214.09	266	0	ANNUAL	ALL	1		Boundary Perimeter 42	P42	
649770.68	4076417	8380784.05790	211.53	266	0	ANNUAL	ALL	1		Boundary Perimeter 43	P43	
649680.48	4076375	6852174.97290	210.17	266	0	ANNUAL	ALL	1		Boundary Perimeter 44	P44	
649580.91	4076368	5458451.00190	208.52	264	0	ANNUAL	ALL	1		Boundary Perimeter 45	P45	
649482.48	4076384	4323630.93670	207.5	264	0	ANNUAL	ALL	1		Boundary Perimeter 46	P46	
649391.59	4076425	3733690.39370	205.17	264	0	ANNUAL	ALL	1		Boundary Perimeter 47	P47	
649303.5	4076472	2993960.12980	202.16	264	0	ANNUAL	ALL	1		Boundary Perimeter 48	P48	
649226.19	4076535	2425134.37480	196.38	264	0	ANNUAL	ALL	1		Boundary Perimeter 49	P49	
648984.14	4077530	4421911.05850	221.41	221.41	0	ANNUAL	ALL	1		Boundary Perimeter 5	P5	
649156.2	4076605	2106640.69210	195.87	264	0	ANNUAL	ALL	1		Boundary Perimeter 50	P50	
649068.25	4076653	1673938.11190	196.32	264	0	ANNUAL	ALL	1		Boundary Perimeter 51	P51	
648986.7	4076711	1425408.59140	192.42	263	0	ANNUAL	ALL	1		Boundary Perimeter 52	P52	
648936.53	4076759	1341144.54620	192.46	250	0	ANNUAL	ALL	1		Boundary Perimeter 53	P53	
648868.58	4076833	1258665.14750	191.63	250	0	ANNUAL	ALL	1		Boundary Perimeter 54	P54	
648797.23	4076902	1163387.37520	186.32	250	0	ANNUAL	ALL	1		Boundary Perimeter 55	P55	
648710.56	4076952	1007956.08100	179.81	250	0	ANNUAL	ALL	1		Boundary Perimeter 56	P56	
648620.79	4076996	871266.10440	176.23	250	0	ANNUAL	ALL	1		Boundary Perimeter 57	P57	1
648607.19	4077051	903017.82040	175.02	250	0	ANNUAL	ALL	1		Boundary Perimeter 58	P58	
648680.07	4077119	1160008.11060	180.62	250	0	ANNUAL	ALL	1		Boundary Perimeter 59	P59	1
649084.12	4077532	4770854.87490	216.54	259	0	ANNUAL	ALL	1		Boundary Perimeter 6	P6	
648759.24	4077180	1558212.54210	183.47	259	0	ANNUAL	ALL	1		Boundary Perimeter 60	P60	1
648791.44	4077262	2061886.88830	202.88	245	0	ANNUAL	ALL	1		Boundary Perimeter 61	P61	
648788.45	4077362	2107079.00550	178.21	259	0	ANNUAL	ALL	1		Boundary Perimeter 62	P62	4
648691.25	4077361	1655026.32150	176.25	259	0	ANNUAL	ALL	1		Boundary Perimeter 63	P63	
648591.35	4077357	1304027.85960	176	259	0	ANNUAL	ALL	1		Boundary Perimeter 64	P64	4
648525.69	4077371	1149438.31400	175.24	245	0	ANNUAL	ALL	1		Boundary Perimeter 65	P65	1
648586.93	4077430	1412288.29200	175.13	259	0	ANNUAL	ALL	1		Boundary Perimeter 66	P66	4
649184.09	4077534	4791751.26200	230.71	259	0	ANNUAL	ALL	1		Boundary Perimeter 7	P7	

09/02/21

PMI

* AERMET (19191): 2019 15:

15:27:04

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y Y	8(1X,F13.5),3(1X,F8.2),2X,A AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
649284.08	4077535	2456695.42540	248.08	259	0	ANNUAL	ALL	NUM 1KS	NET ID		P8
649384.06	4077536			258.43			ALL	1		Boundary Perimeter 8	P9
		1725678.63970	258.43		0	ANNUAL		1		Boundary Perimeter 9	
645930	4077983	132779.48210	127.38	127.38	0	ANNUAL	ALL	1		New Development	RP_G1
646030	4077983	141753.04270	131.21	131.21	0	ANNUAL	ALL	1		New Development	RP_G1
646130	4077983	151595.29170	135.89	135.89	0	ANNUAL	ALL	<u>l</u>		New Development	RP_G1
646230	4077983	162269.62100	139.18	139.18	0	ANNUAL	ALL	1		New Development	RP_G1
646330	4077983	173832.49900	140.76	140.76	0	ANNUAL	ALL	1		New Development	RP_G1
646430	4077983	186882.29670	143.89	143.89	0	ANNUAL	ALL	1		New Development	RP_G1
646530	4077983	201068.26850	145.22	145.22	0	ANNUAL	ALL	1		New Development	RP_G1
646630	4077983	216899.67070	147.21	147.21	0	ANNUAL	ALL	1		New Development	RP_G1
646730	4077983	234191.39640	148.3	160	0	ANNUAL	ALL	1		New Development	RP_G1
645930	4078083	143830.67240	127.58	127.58	0	ANNUAL	ALL	1		New Development	RP_G1
646030	4078083	153092.68690	130.56	130.56	0	ANNUAL	ALL	1		New Development	RP_G1
646130	4078083	163370.10490	134.35	134.35	0	ANNUAL	ALL	1		New Development	RP_G1
646230	4078083	174928.17750	139.22	139.22	0	ANNUAL	ALL	1		New Development	RP_G1
646330	4078083	187972.62860	144.65	144.65	0	ANNUAL	ALL	1		New Development	RP_G1
646430	4078083	200951.46170	142.28	142.28	0	ANNUAL	ALL	1		New Development	RP_G1
646530	4078083	216555.76360	146.76	146.76	0	ANNUAL	ALL	1		New Development	RP_G1
646630	4078083	233730.54940	150.64	150.64	0	ANNUAL	ALL	1		New Development	RP G1
646730	4078083	253226.99540	155.4	157	0	ANNUAL	ALL	1		New Development	RP G1
645930	4078183	153387.41790	127.22	127.22	0	ANNUAL	ALL	1		New Development	RP G1
646030	4078183	163260.00700	130.56	130.56	0	ANNUAL	ALL	1		New Development	RP G1
646130	4078183	174200.47740	133.89	133.89	0	ANNUAL	ALL	1		New Development	RP G1
646230	4078183	186759.67790	140.45	140.45	0	ANNUAL	ALL	1		New Development	RP G1
646330	4078183	200842.84580	146.94	146.94	0	ANNUAL	ALL	1		New Development	RP G1
646430	4078183	213379.62000	140.23	140.23	0	ANNUAL	ALL	1		New Development	RP G1
646530	4078183	230029.41410	147.25	147.25	0	ANNUAL	ALL	1		New Development	RP G1
646630	4078183	248054.56120	151.56	151.56	0	ANNUAL	ALL	1		New Development	RP G1
646730	4078183	269254.91950	157.78	166	0	ANNUAL	ALL	1		New Development	RP_G1
645930	4078283	161904.53980	126.06	126.06	0	ANNUAL	ALL	1		New Development	RP G1
646030	4078283	172424.00090	129.56	129.56	0	ANNUAL	ALL	1		New Development	RP G1
646130	4078283	183891.58430	132.89	132.89	0	ANNUAL	ALL	1		New Development	RP G1
646230	4078283	196818.70010	139.24	139.24	0	ANNUAL	ALL	1		New Development	RP G1
646330	4078283	210513.41700	142.68	142.68	0	ANNUAL	ALL	1		New Development	RP G1
646430	4078283	224240.15270	140.02	140.02	0	ANNUAL	ALL	1		New Development	RP G1
646530	4078283	241581.86070	147.22	147.22	0	ANNUAL	ALL	1		New Development	RP G1
646630	4078283	260379.45500	151.56	151.56	0	ANNUAL	ALL	1		New Development	RP G1
								1		-	
646730 648659.32	4078283 4077241	281845.23400	156.78 205.79	166 205.79	0	ANNUAL ANNUAL	ALL ALL	<u> </u>		New Development House 1	RP_G1 RP_H1
		1482133.20890			0			1			
648071.24	4076116	260589.83420	169.6	240	0	ANNUAL	ALL ALL	1		House 10	RP_H10
648247.37	4076278	340879.97800	184.55	240		ANNUAL		1		House 11	RP_H11
648027.19	4076255	277372.71440	169.38	240	0	ANNUAL	ALL	l .		House 12	RP_H12
648065.77	4076359	302914.17450	173.83	240	0	ANNUAL	ALL	l		House 13	RP_H13
648138.68	4076400	328544.91720	178.22	240	0	ANNUAL	ALL	1		House 14	RP_H14

* AERMET (19191): 2019

15:27:04

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- FOR A TOTAL OF 289 RECEPTORS.
- FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
648254.71	4076411	379556.16420	191.28	240	0	ANNUAL	ALL	1		House 15	RP H15	
647877.81	4076365	265040.89250	165.39	240	0	ANNUAL	ALL	1		House 16	RP H16	1
647520	4076206	201695.20390	159	159	0	ANNUAL	ALL	1		House 17	RP_H17	Ī
647921	4076247	256455.89620	164	240	0	ANNUAL	ALL	1		House 18	RP_H18	1
647708.78	4076352	237221.52320	163.52	163.52	0	ANNUAL	ALL	1		House 19	RP_H19	Ī
648371.71	4075470	244735.09730	173.69	227	0	ANNUAL	ALL	1		House 2	RP_H2	Ī
647703.58	4076251	226585.37460	162.17	162.17	0	ANNUAL	ALL	1		House 20	RP_H20	
647718.77	4076104	206998.99580	159.35	159.35	0	ANNUAL	ALL	1		House 21	RP_H21	Ī
647843.32	4076125	225013.75910	163	234	0	ANNUAL	ALL	1		House 22	RP_H22	
647842.26	4076500	267852.50010	167.93	167.93	0	ANNUAL	ALL	1		House 23	RP_H23	
647727.75	4076644	236871.40530	164.15	164.15	0	ANNUAL	ALL	1		House 24	RP_H24	
647823.91	4076644	258181.03680	168.29	168.29	0	ANNUAL	ALL	1		House 25	RP_H25	Ī
647530	4076497	206859.38470	159.56	159.56	0	ANNUAL	ALL	1		House 26	RP_H26	
647810.11	4076854	252698.19520	162.9	162.9	0	ANNUAL	ALL	1		House 27	RP_H27	
647697.48	4076989	230302.69510	161.42	162	0	ANNUAL	ALL	1		House 28	RP_H28	
648225.5	4076182	313694.87800	183.22	240	0	ANNUAL	ALL	1		House 29	RP_H29	
647678.23	4075969	185101.74050	159.5	159.5	0	ANNUAL	ALL	1		House 3	RP_H3	
645876.32	4077487	88150.74920	127.13	142	0	ANNUAL	ALL	1		House 30	RP_H30	
650902	4076062	2484311.42780	215.24	287	0	ANNUAL	ALL	1		House 31	RP_H31	MEIR
651490	4076597	1487515.33240	205.5	813	0	ANNUAL	ALL	1		House 32	RP_H32	
651565	4077067	1016230.44910	213.93	813	0	ANNUAL	ALL	1		House 33	RP_H33	
648672.77	4075307	343694.62700	225.91	227	0	ANNUAL	ALL	1		House 34	RP_H34	
648383.6	4075469	246620.82720	174.44	227	0	ANNUAL	ALL	1		House 35	RP_H35	
646379.37	4077233	98286.34420	146	146	0	ANNUAL	ALL	1		House 36	RP_H36	
651849.72	4075865	1014935.51400	201.97	333	0	ANNUAL	ALL	1		House 37	RP_H37	
652045.49	4076210	845695.41110	196.88	813	0	ANNUAL	ALL	1		House 38	RP_H38	
652255.69	4076391	683996.85700	197.06	813	0	ANNUAL	ALL	1		House 39	RP_H39	
647815.25	4075985	202420.69660	162.04	162.04	0	ANNUAL	ALL	1		House 4	RP_H4	
646853.73	4077373	147330.45450	145.99	145.99	0	ANNUAL	ALL	1		House 40	RP_H40	
647050.21	4077360	168431.16780	145	145	0	ANNUAL	ALL	1		House 41	RP_H41	
647286.42	4077474	230414.06140	149.68	153	0	ANNUAL	ALL	1		House 42	RP_H42	
647359.05	4077340	215621.62920	154.45	159	0	ANNUAL	ALL	1		House 43	RP_H43	
647490.41	4077329	242850.54970	162.28	162.28	0	ANNUAL	ALL	1		House 44	RP_H44	
647522.17	4077252	233620.51310	164.3	164.3	0	ANNUAL	ALL	1		House 45	RP_H45	
647517.82	4077139	215750.63220	164.01	164.01	0	ANNUAL	ALL	1		House 46	RP_H46	
646819.01	4077258	133470.53880	151.53	152	0	ANNUAL	ALL	1		House 47	RP_H47	
646778.72	4077128	121492.19480	158.51	158.51	0	ANNUAL	ALL	1		House 48	RP_H48	
646987.26	4077213	145595.11760	146.44	146.44	0	ANNUAL	ALL	1		House 49	RP_H49	1
647898.2	4076033	219059.44940	163.83	237	0	ANNUAL	ALL	1		House 5	RP_H5	
647241.77	4077227	178783.41470	154.85	154.85	0	ANNUAL	ALL	1		House 50	RP_H50	1
646773.05	4077063	118177.28230	159	159	0	ANNUAL	ALL	1		House 51	RP_H51	
647104.37	4077118	150865.96930	148.99	148.99	0	ANNUAL	ALL	1		House 52	RP_H52	1
647291.9	4077123	176082.93440	158.62	158.62	0	ANNUAL	ALL	1		House 53	RP_H53	
646765.24	4076978	114876.41100	158.67	158.67	0	ANNUAL	ALL	1		House 54	RP_H54	

* AERMET (19191): 2019 15:2

15:27:04

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- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
646995.65	4076984	130877.66880	152.34	152.34	0	ANNUAL	ALL	1		House 55	RP_H55
647317.21	4077031	169556.17420	160.22	160.22	0	ANNUAL	ALL	1		House 56	RP_H56
647398.39	4077013	178964.77240	161.26	161.26	0	ANNUAL	ALL	1		House 57	RP_H57
646978.93	4076904	128547.50960	156.81	156.81	0	ANNUAL	ALL	1		House 58	RP_H58
647015.19	4076807	135395.26330	156.21	156.21	0	ANNUAL	ALL	1		House 59	RP_H59
648045.44	4076018	241795.34020	168.26	240	0	ANNUAL	ALL	1		House 6	RP_H6
647163.96	4076802	150294.17510	154.38	154.38	0	ANNUAL	ALL	1		House 60	RP_H60
647310.58	4076940	161267.25990	162.49	162.49	0	ANNUAL	ALL	1		House 61	RP_H61
647298.09	4076805	166121.75190	158	158	0	ANNUAL	ALL	1		House 62	RP_H62
647446.56	4076900	178195.13920	159.45	159.45	0	ANNUAL	ALL	1		House 63	RP_H63
647464.49	4076781	192741.40370	159.32	159.32	0	ANNUAL	ALL	1		House 64	RP_H64
647512	4076536	200815.07980	159	159	0	ANNUAL	ALL	1		House 65	RP_H65
651131	4078767	180379.83810	179.58	830	0	ANNUAL	ALL	1		House 66	RP_H66
647131	4077336	176363.78570	146.77	146.77	0	ANNUAL	ALL	1		House 67	RP_H67
646798	4076740	121656.65090	156.07	156.07	0	ANNUAL	ALL	1		House 68	RP_H68
646900	4076802	126500.68660	159	159	0	ANNUAL	ALL	1		House 69	RP_H69
648126.33	4075955	250346.67120	171.51	240	0	ANNUAL	ALL	1		House 7	RP_H7
647317	4076662	178432.92080	159.9	159.9	0	ANNUAL	ALL	1		House 70	RP_H70
648249.26	4075970	283417.95640	183.42	240	0	ANNUAL	ALL	1		House 8	RP_H8
648218.58	4076109	298123.75150	182.28	240	0	ANNUAL	ALL	1		House 9	RP_H9
649744	4079173	354471.23930	176.1	830	0	ANNUAL	ALL	1		Grid Receptor 51	G51
650144	4079173	255174.98300	173	830	0	ANNUAL	ALL	1		Grid Receptor 61	G61
650544	4079173	223396.99030	177	830	0	ANNUAL	ALL	1		Grid Receptor 71	G71
650944	4079173	181450.72620	181.3	830	0	ANNUAL	ALL	1		Grid Receptor 81	G81
651344	4079173	143007.30280	191	830	0	ANNUAL	ALL	1		Grid Receptor 91	G91

09/02/21

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in µg/m³.

Concetration values multiplied by a factor of 10 to convert from 0.1 lb/hr-SF to 1 lb/hr-SF for dispersion factor use.

15:30:17

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
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I OKW	1A1. (A,1A,.	$3(1\Lambda,113.3),3(1\Lambda,16.2),2\Lambda,1$	A0,2A,A0,2A,	10.0,271,710)								-
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
645996	4078698	247071.42560	123.85	123.85	0	ANNUAL	ALL	1		AQ Monitoring Station	AQ_ST_1	
643903.65	4077719	84910.08400	105.68	105.68	0	ANNUAL	ALL	1		Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.782	4079416	71790.42910	85.12	85.12	0	ANNUAL	ALL	1		Dunne Park	CR_PK_1	
642179.095	4079950	70913.02770	117.99	117.99	0	ANNUAL	ALL	1		Vista Park Hill Park	CR_PK_2	
644733.142	4078753	140821.59720	106.44	106.44	0	ANNUAL	ALL	1		Las Brisas Park	CR_PK_3	
645608.808	4078854	208449.28680	112.86	112.86	0	ANNUAL	ALL	1		Frank Klauer Memorial Park	CR_PK_4	
644238.054	4078807	120940.04430	95.25	95.25	0	ANNUAL	ALL	1		Veterans Memorial Park	CR_PK_5	
645311.476	4076559	99771.68300	134.61	134.61	0	ANNUAL	ALL	1		Park 6	CR_PK_6	
649581.689	4073424	250022.89620	159.96	318	0	ANNUAL	ALL	1		Park 7	CR_PK_7	
645145.11	4077181	107909.81190	133	133	0	ANNUAL	ALL	1		Cerra Vista Elem School	CR_SC_1	
642904.712	4079955	88340.82100	86	86	0	ANNUAL	ALL	1		San Andreas Continuation	CR SC 10	
645850.678	4074015	79416.21610	123	313	0	ANNUAL	ALL	1		SouthSide School	CR SC 11	
642105.679	4078176	54432.94310	91	91	0	ANNUAL	ALL	1		School 12	CR SC 12	
646058.93	4078443	244066.92930	128.52	128.52	0	ANNUAL	ALL	1		Rancho Santana School	CR_SC_13	Schoo
647269	4075575	175355.47900	158	158	0	ANNUAL	ALL	1		Future School	CR SC 14	
648466	4074106	193248.10780	159	240	0	ANNUAL	ALL	1		Tres Pinos Union Elementary School	CR_SC_15	
644109.6	4078389	104079.11580	98.2	98.2	0	ANNUAL	ALL	1		Sunnyslope Elem School	CR SC 2	
643920.12	4077304	76131.94780	101.23	101.23	0	ANNUAL	ALL	1		Hollister Montessori School	CR SC 3	
642961.07	4078621	76527.38540	92	92	0	ANNUAL	ALL	1		Rancho San Justo Middle School	CR SC 4	
643980.02	4079743	126512.68440	88	88	0	ANNUAL	ALL	1		Marguerite Maze Middle School	CR SC 5	
641630.17	4079153	63413.88560	85	85	0	ANNUAL	ALL	1		Hollister Prep Schoo	CR_SC_6	
643350.03	4077181	60493.55250	98.22	98.22	0	ANNUAL	ALL	1		Ladd Lane Elementary School	CR SC 7	
644002.96	4080079	137800.59440	87	87	0	ANNUAL	ALL	1		Gabilan Hills Elementary School	CR SC 8	
642244.858	4078413	56645.44700	90.17	90.17	0	ANNUAL	ALL	1		San Benito High School	CR SC 9	
642083.447	4079794	68423.72520	87.58	127	0	ANNUAL	ALL	1		Jovenes De Antano	CR SR 1	
646402	4076879	171723.15870	146.33	153	0	ANNUAL	ALL	1		Workplace	CR WP 1	
648949	4077938	2615205.25430	189.45	259	0	ANNUAL	ALL	1		Nearest Workplace	CR_WP_2	MEIV
647744	4079173	796800.75180	155.2	155.2	0	ANNUAL	ALL	1		Grid Receptor 1	G1	
647744	4075573	231298.65940	160	160	0	ANNUAL	ALL	1		Grid Receptor 10	G10	
651344	4075573	1195972.73840	252.9	252.9	0	ANNUAL	ALL	1		Grid Receptor 100	G100	
648144	4079173	883429.89180	165.9	165.9	0	ANNUAL	ALL	1		Grid Receptor 11	G11	
648144	4078773	1073681.76220	159.6	159.6	0	ANNUAL	ALL	1		Grid Receptor 12	G12	
648144	4078373	1207906.52820	146.2	146.2	0	ANNUAL	ALL	1		Grid Receptor 13	G13	
648144	4077973	1210278.52420	158.3	181	0	ANNUAL	ALL	1		Grid Receptor 14	G14	
648144	4077573	989999.46320	166.6	179	0	ANNUAL	ALL	1		Grid Receptor 15	G15	
648144	4077173	731275.19700	175.4	175.4	0	ANNUAL	ALL	1		Grid Receptor 16	G15	
648144	4076773	542311.83530	177.1	240	0	ANNUAL	ALL	1		Grid Receptor 17	G17	
648144	4076373	438012.70130	178	240	0	ANNUAL	ALL	1		Grid Receptor 18	G17	
648144	4075973	359467.89760	173	240	0	ANNUAL	ALL	1		Grid Receptor 19	G19	
647744	4078773	859330.76120	145.4	145.4	0	ANNUAL	ALL	1		Grid Receptor 2	G2	1
648144	4075573	291833.34660	168.8	190	0	ANNUAL	ALL	1		Grid Receptor 20	G20	
648544	4079173	863835.78820	173.5	190	0	ANNUAL	ALL	1		Grid Receptor 21	G20 G21	1
648544	4079173	1193249.72480	166.2	166.2	0	ANNUAL	ALL	1 1		Grid Receptor 21 Grid Receptor 22	G21 G22	
	4078373		145.4	253			ALL	1 1		•	G22 G23	4
648544	40/83/3	1535079.28670	145.4	255	0	ANNUAL	ALL	1		Grid Receptor 23	G23	

* AERMET (21112): 2020

15:30:17

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 289 RECEPTORS.

FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		(1X,F13.5),3(1X,F8.2),2X,A				4.575	CDD	NUMBER	NIEW ID	P	ID
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648544	4077973	1890498.26030	173.9	214	0	ANNUAL	ALL	1		Grid Receptor 24	G24
648544	4077573	1884903.13170	179.6	227	0	ANNUAL	ALL	1		Grid Receptor 25	G25
648544	4077173	1368522.17800	191	226	0	ANNUAL	ALL	1		Grid Receptor 26	G26
648544	4076773	1052677.13010	209.2	240	0	ANNUAL	ALL	1		Grid Receptor 27	G27
648544	4076373	785015.32550	233.7	240	0	ANNUAL	ALL	1		Grid Receptor 28	G28
648544	4075973	540402.48220	199.9	240	0	ANNUAL	ALL	1		Grid Receptor 29	G29
647744	4078373	867979.84480	144.4	144.4	0	ANNUAL	ALL	1		Grid Receptor 3	G3
648544	4075573	421319.37580	195.5	227	0	ANNUAL	ALL	1		Grid Receptor 30	G30
648944	4079173	830432.91940	190.4	194	0	ANNUAL	ALL	1		Grid Receptor 31	G31
648944	4078773	1132433.22670	165.4	165.4	0	ANNUAL	ALL	1		Grid Receptor 32	G32
648944	4078373	1718531.94170	159.6	259	0	ANNUAL	ALL	1		Grid Receptor 33	G33
648944	4077973	2496067.74430	183.5	259	0	ANNUAL	ALL	1		Grid Receptor 34	G34
648944	4077573	4821979.46580	224	226	0	ANNUAL	ALL	1		Grid Receptor 35	G35
648944	4076373	1239878.60800	205	240	0	ANNUAL	ALL	1		Grid Receptor 38	G38
648944	4075973	886292.45710	208.8	220	0	ANNUAL	ALL	1		Grid Receptor 39	G39
647744	4077973	749476.94220	134.6	181	0	ANNUAL	ALL	1		Grid Receptor 4	G4
648944	4075573	542110.36680	185.6	300	0	ANNUAL	ALL	1		Grid Receptor 40	G40
649344	4079173	626347.80810	187.4	801	0	ANNUAL	ALL	1		Grid Receptor 41	G41
649344	4078773	927392.86070	160.9	813	0	ANNUAL	ALL	1		Grid Receptor 42	G42
649344	4078373	1763524.83080	200.5	221	0	ANNUAL	ALL	1		Grid Receptor 43	G43
649344	4077973	3566624.80880	229	253	0	ANNUAL	ALL	1		Grid Receptor 44	G44
649344	4077573	1929008.67440	253.3	259	0	ANNUAL	ALL	1		Grid Receptor 45	G45
649344	4076373	4015675.51900	220.2	263	0	ANNUAL	ALL	1		Grid Receptor 48	G48
649344	4075973	1709728.31500	227.2	227.2	0	ANNUAL	ALL	1		Grid Receptor 49	G49
647744	4077573	613669.77900	163.8	171	0	ANNUAL	ALL	1		Grid Receptor 5	G5
649344	4075573	941486.91040	205.5	300	0	ANNUAL	ALL	1		Grid Receptor 50	G50
649744	4078773	718337.38550	195	813	0	ANNUAL	ALL	1		Grid Receptor 52	G52
649744	4078373	1216248.85260	196.1	227	0	ANNUAL	ALL	1		Grid Receptor 53	G53
649744	4077973	3141135.92950	215.3	251	0	ANNUAL	ALL	1		Grid Receptor 54	G54
649744	4077573	8507683.96140	221.6	259	0	ANNUAL	ALL	1		Grid Receptor 55	G55
649744	4076373	8642198.96160	211.7	266	0	ANNUAL	ALL	1		Grid Receptor 58	G58
649744	4075973	2468261.91640	237.7	257	0	ANNUAL	ALL	1		Grid Receptor 59	G59
647744	4077173	474915.41480	158.4	171	0	ANNUAL	ALL	1		Grid Receptor 6	G6
649744	4075573	1462955.68440	204.2	300	0	ANNUAL	ALL	1		Grid Receptor 60	G60
650144	4078773	430362.84170	171	830	0	ANNUAL	ALL	1		Grid Receptor 62	G62
650144	4078373	776475.09620	204.6	813	0	ANNUAL	ALL	1		Grid Receptor 63	G63
650144	4077973	1747916.82780	216.5	290	0	ANNUAL	ALL	1		Grid Receptor 64	G64
650144	4077573	1520109.13790	257.7	257.7	0	ANNUAL	ALL	1		Grid Receptor 65	G65
650144	4076373	6450903.58780	231.4	272	0	ANNUAL	ALL	1		Grid Receptor 68	G68
650144	4075973	2100522.43450	249.4	266	0	ANNUAL	ALL	1		Grid Receptor 69	G69
647744	4076773	360271.88500	164.7	164.7	0	ANNUAL	ALL	1		Grid Receptor 7	G7
650144	4075573	2110845.45490	216.4	300	0	ANNUAL	ALL	1		Grid Receptor 70	G70
650544	4078773	298390.00590	180.9	830	0	ANNUAL	ALL	1		Grid Receptor 72	G72
650544	4078373	458549.40190	196.6	830	0	ANNUAL	ALL	1		Grid Receptor 73	G73
050544	10,0515	120217.70170	170.0	050	U	. 11 11 10 / 1L	1144	1		ona neceptor 15	3/3

* AERMET (21112): 2020 15:3

15:30:17

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

· rokn	VIA1: (A,1A,3	3(1X,F13.5),3(1X,F8.2),2X, <i>F</i>	$40,2\Lambda,A0,2\Lambda,$,10.0,2A,A0							
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
650544	4077973	690895.16100	236.9	801	0	ANNUAL	ALL	1		Grid Receptor 74	G74
650544	4077573	340019.49260	261.3	287	0	ANNUAL	ALL	1		Grid Receptor 75	G75
650544	4076373	2153998.95870	260.9	260.9	0	ANNUAL	ALL	1		Grid Receptor 78	G78
650544	4075973	3444477.51610	226.7	287	0	ANNUAL	ALL	1		Grid Receptor 79	G79
647744	4076373	314386.10690	164	164	0	ANNUAL	ALL	1		Grid Receptor 8	G8
650544	4075573	911413.57780	268.2	287	0	ANNUAL	ALL	1		Grid Receptor 80	G80
650944	4078773	227171.89530	178.4	830	0	ANNUAL	ALL	1		Grid Receptor 82	G82
650944	4078373	376296.10690	214.8	830	0	ANNUAL	ALL	1		Grid Receptor 83	G83
650944	4077973	219666.07120	249.9	813	0	ANNUAL	ALL	1		Grid Receptor 84	G84
650944	4077573	175033.92910	276.5	296	0	ANNUAL	ALL	1		Grid Receptor 85	G85
650944	4077173	2701719.52780	225.6	296	0	ANNUAL	ALL	1		Grid Receptor 86	G86
650944	4076773	4985347.66940	219.8	267	0	ANNUAL	ALL	1		Grid Receptor 87	G87
650944	4076373	3747800.45680	209.2	273	0	ANNUAL	ALL	1		Grid Receptor 88	G88
650944	4075973	2826672.66220	216.6	287	0	ANNUAL	ALL	1		Grid Receptor 89	G89
647744	4075973	278811.35330	160.7	160.7	0	ANNUAL	ALL	1		Grid Receptor 9	G9
650944	4075573	1721102.08400	243.2	289	0	ANNUAL	ALL	1		Grid Receptor 90	G90
651344	4078773	189985.67760	181	830	0	ANNUAL	ALL	1		Grid Receptor 92	G90 G92
								1			G92 G93
651344	4078373	256276.75220	214.3	830	0	ANNUAL	ALL	I		Grid Receptor 93	
651344	4077973	202964.04840	248.4	826	0	ANNUAL	ALL	I		Grid Receptor 94	G94
651344	4077573	645381.77260	213.2	826	0	ANNUAL	ALL	l		Grid Receptor 95	G95
651344	4077173	1359154.22450	213.6	813	0	ANNUAL	ALL	I		Grid Receptor 96	G96
651344	4076773	1849057.84390	203.5	813	0	ANNUAL	ALL	<u>l</u>		Grid Receptor 97	G97
651344	4076373	2099665.66420	205.6	220	0	ANNUAL	ALL	<u>l</u>		Grid Receptor 98	G98
651344	4075973	1946337.19450	205.8	269	0	ANNUAL	ALL	1		Grid Receptor 99	G99
648584.24	4077523	1987525.21120	183.61	227	0	ANNUAL	ALL	1		Boundary Perimeter 1	P1
649484.05	4077537	1989423.26500	254.01	257	0	ANNUAL	ALL	1		Boundary Perimeter 10	P10
649584.03	4077539	5527270.97710	235.3	259	0	ANNUAL	ALL	1		Boundary Perimeter 11	P11
649684.02	4077540	8744221.32140	221.29	259	0	ANNUAL	ALL	1		Boundary Perimeter 12	P12
649784	4077541	9698859.56320	222.37	260	0	ANNUAL	ALL	1		Boundary Perimeter 13	P13
649883.99	4077542	6911949.18390	233.6	259	0	ANNUAL	ALL	1		Boundary Perimeter 14	P14
649983.97	4077543	2783253.95240	249.54	259	0	ANNUAL	ALL	1		Boundary Perimeter 15	P15
650083.94	4077546	1820155.97200	258.89	258.89	0	ANNUAL	ALL	1		Boundary Perimeter 16	P16
650183.91	4077548	1486971.10200	259.56	259.56	0	ANNUAL	ALL	1		Boundary Perimeter 17	P17
650283.87	4077550	1008146.06680	256.77	266	0	ANNUAL	ALL	1		Boundary Perimeter 18	P18
650383.84	4077552	1455878.21710	242.37	290	0	ANNUAL	ALL	1		Boundary Perimeter 19	P19
648684.22	4077525	2498380.83020	197.16	227	0	ANNUAL	ALL	1		Boundary Perimeter 2	P2
650483.81	4077554	1105736.71130	242.23	296	0	ANNUAL	ALL	1		Boundary Perimeter 20	P20
650583.78	4077557	364545.30010	259.71	290	0	ANNUAL	ALL	1		Boundary Perimeter 21	P21
650683.75	4077559	360244.09300	257.58	296	0	ANNUAL	ALL	1		Boundary Perimeter 22	P22
650776.81	4077554	242612.12190	267.9	296	0	ANNUAL	ALL	1		Boundary Perimeter 23	P23
650778.91	4077454	286895.27430	275.91	275.91	0	ANNUAL	ALL	1		Boundary Perimeter 24	P24
650781	4077354	531519.17640	265.73	281	0	ANNUAL	ALL	1		Boundary Perimeter 25	P25
650783.1	4077254	1228588.91330	251.08	282	0	ANNUAL	ALL	1		Boundary Perimeter 26	P26
650785.19	4077154	1743168.61760	252.83	281	0	ANNUAL	ALL	1		Boundary Perimeter 27	P27
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* AERMET (21112): 2020 15:30:17

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

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- FOR A TOTAL OF 289 RECEPTORS.
- FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
650787.29	4077054	3096128.01610	246.1	269	0	ANNUAL	ALL	1		Boundary Perimeter 28	P28	
650789.38	4076954	4464631.85280	241.37	269	0	ANNUAL	ALL	1		Boundary Perimeter 29	P29	1
648784.19	4077527	3411275.24510	209.74	209.74	0	ANNUAL	ALL	1		Boundary Perimeter 3	P3	
650791.48	4076854	4161244.47250	246.79	251	0	ANNUAL	ALL	1		Boundary Perimeter 30	P30	1
650793.57	4076754	7694512.75550	228.75	264	0	ANNUAL	ALL	1		Boundary Perimeter 31	P31	
650754.39	4076683	8060798.21040	217.76	271	0	ANNUAL	ALL	1		Boundary Perimeter 32	P32	
650660.22	4076650	9190421.78870	221.2	273	0	ANNUAL	ALL	1		Boundary Perimeter 33	P33	
650561.43	4076650	10199555.61680	220.83	273	0	ANNUAL	ALL	1		Boundary Perimeter 34	P34	
650462.72	4076666	11275274.61250	223.42	273	0	ANNUAL	ALL	1		Boundary Perimeter 35	P35	
650364.01	4076682	12026272.82100	222.46	263	0	ANNUAL	ALL	1		Boundary Perimeter 36	P36	
650264.24	4076683	11902236.07210	223.19	263	0	ANNUAL	ALL	1		Boundary Perimeter 37	P37	
650164.71	4076674	12095426.99680	222.1	249	0	ANNUAL	ALL	1		Boundary Perimeter 38	P38	1
650065.8	4076660	12454643.43120	217.03	264	0	ANNUAL	ALL	1		Boundary Perimeter 39	P39	
648884.17	4077529	4320173.52750	214.25	227	0	ANNUAL	ALL	1		Boundary Perimeter 4	P4	
649980.44	4076627	12924632.14560	214.82	264	0	ANNUAL	ALL	1		Boundary Perimeter 40	P40	PMI
649920.26	4076547	12877651.74020	214.91	264	0	ANNUAL	ALL	1		Boundary Perimeter 41	P41	1
649852.19	4076474	11921386.44870	214.09	266	0	ANNUAL	ALL	1		Boundary Perimeter 42	P42	1
649770.68	4076417	10165198.25970	211.53	266	0	ANNUAL	ALL	1		Boundary Perimeter 43	P43	1
649680.48	4076375	8504673.59240	210.17	266	0	ANNUAL	ALL	1		Boundary Perimeter 44	P44	
649580.91	4076368	6847829.02430	208.52	264	0	ANNUAL	ALL	1		Boundary Perimeter 45	P45	1
649482.48	4076384	5462054.45670	207.5	264	0	ANNUAL	ALL	1		Boundary Perimeter 46	P46	1
649391.59	4076425	4726608.52350	205.17	264	0	ANNUAL	ALL	1		Boundary Perimeter 47	P47	1
649303.5	4076472	3831007.28910	202.16	264	0	ANNUAL	ALL	1		Boundary Perimeter 48	P48	
649226.19	4076535	3244954.54910	196.38	264	0	ANNUAL	ALL	1		Boundary Perimeter 49	P49	1
648984.14	4077530	5327919.24350	221.41	221.41	0	ANNUAL	ALL	1		Boundary Perimeter 5	P5	1
649156.2	4076605	2940993.40780	195.87	264	0	ANNUAL	ALL	1		Boundary Perimeter 50	P50	1
649068.25	4076653	2371667.49150	196.32	264	0	ANNUAL	ALL	1		Boundary Perimeter 51	P51	
648986.7	4076711	2056419.95300	192.42	263	0	ANNUAL	ALL	1		Boundary Perimeter 52	P52	1
648936.53	4076759	1937429.40450	192.46	250	0	ANNUAL	ALL	1		Boundary Perimeter 53	P53	
648868.58	4076833	1817245.61490	191.63	250	0	ANNUAL	ALL	1		Boundary Perimeter 54	P54	
648797.23	4076902	1682975.06620	186.32	250	0	ANNUAL	ALL	1		Boundary Perimeter 55	P55	
648710.56	4076952	1471608.54900	179.81	250	0	ANNUAL	ALL	1		Boundary Perimeter 56	P56	
648620.79	4076996	1280745.55680	176.23	250	0	ANNUAL	ALL	1		Boundary Perimeter 57	P57	
648607.19	4077051	1313753.28620	175.02	250	0	ANNUAL	ALL	1		Boundary Perimeter 58	P58	
648680.07	4077119	1667535.57340	180.62	250	0	ANNUAL	ALL	1		Boundary Perimeter 59	P59	
649084.12	4077532	5671639.61220	216.54	259	0	ANNUAL	ALL	1		Boundary Perimeter 6	P6	
648759.24	4077180	2205057.48360	183.47	259	0	ANNUAL	ALL	1		Boundary Perimeter 60	P60	
648791.44	4077262	2774868.82910	202.88	245	0	ANNUAL	ALL	1		Boundary Perimeter 61	P61	
648788.45	4077362	2761394.04160	178.21	259	0	ANNUAL	ALL	1		Boundary Perimeter 62	P62	
648691.25	4077361	2223196.25150	176.25	259	0	ANNUAL	ALL	1		Boundary Perimeter 63	P63	
648591.35	4077357	1800416.88840	176	259	0	ANNUAL	ALL	1		Boundary Perimeter 64	P64	
648525.69	4077371	1597125.10090	175.24	245	0	ANNUAL	ALL	1		Boundary Perimeter 65	P65	
648586.93	4077430	1886392.56560	175.13	259	0	ANNUAL	ALL	1		Boundary Perimeter 66	P66	
649184.09	4077534	5681239.69450	230.71	259	0	ANNUAL	ALL	1		Boundary Perimeter 7	P7	

09/02/21

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15:30:17

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* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		(1X,F13.5),3(1X,F8.2),2X,									
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
649284.08	4077535	2525425.98310	248.08	259	0	ANNUAL	ALL	1		Boundary Perimeter 8	P8
649384.06	4077536	1613987.64480	258.43	258.43	0	ANNUAL	ALL	1		Boundary Perimeter 9	P9
645930	4077983	196807.76530	127.38	127.38	0	ANNUAL	ALL	1		New Development	RP_G1
646030	4077983	207928.21680	131.21	131.21	0	ANNUAL	ALL	1		New Development	RP_G1
646130	4077983	220071.54890	135.89	135.89	0	ANNUAL	ALL	1		New Development	RP_G1
646230	4077983	233140.73480	139.18	139.18	0	ANNUAL	ALL	1		New Development	RP_G1
646330	4077983	247189.73960	140.76	140.76	0	ANNUAL	ALL	1		New Development	RP_G1
646430	4077983	262855.12870	143.89	143.89	0	ANNUAL	ALL	1		New Development	RP_G1
646530	4077983	279949.17560	145.22	145.22	0	ANNUAL	ALL	1		New Development	RP_G1
646630	4077983	299021.97540	147.21	147.21	0	ANNUAL	ALL	1		New Development	RP_G1
646730	4077983	319849.96350	148.3	160	0	ANNUAL	ALL	1		New Development	RP_G1
645930	4078083	205239.23090	127.58	127.58	0	ANNUAL	ALL	1		New Development	RP_G1
646030	4078083	216526.80630	130.56	130.56	0	ANNUAL	ALL	1		New Development	RP_G1
646130	4078083	228787.32780	134.35	134.35	0	ANNUAL	ALL	1		New Development	RP_G1
646230	4078083	242345.76800	139.22	139.22	0	ANNUAL	ALL	1		New Development	RP_G1
646330	4078083	257527.71820	144.65	144.65	0	ANNUAL	ALL	1		New Development	RP_G1
646430	4078083	273055.12300	142.28	142.28	0	ANNUAL	ALL	1		New Development	RP_G1
646530	4078083	291337.51850	146.76	146.76	0	ANNUAL	ALL	1		New Development	RP_G1
646630	4078083	311316.79090	150.64	150.64	0	ANNUAL	ALL	1		New Development	RP_G1
646730	4078083	333496.03630	155.4	157	0	ANNUAL	ALL	1		New Development	RP_G1
645930	4078183	212387.45770	127.22	127.22	0	ANNUAL	ALL	1		New Development	RP_G1
646030	4078183	223833.38490	130.56	130.56	0	ANNUAL	ALL	1		New Development	RP_G1
646130	4078183	236460.76030	133.89	133.89	0	ANNUAL	ALL	1		New Development	RP_G1
646230	4078183	250883.62940	140.45	140.45	0	ANNUAL	ALL	1		New Development	RP_G1
646330	4078183	267100.85690	146.94	146.94	0	ANNUAL	ALL	1		New Development	RP_G1
646430	4078183	282318.93570	140.23	140.23	0	ANNUAL	ALL	1		New Development	RP G1
646530	4078183	301309.22430	147.25	147.25	0	ANNUAL	ALL	1		New Development	RP G1
646630	4078183	321638.73030	151.56	151.56	0	ANNUAL	ALL	1		New Development	RP G1
646730	4078183	345077.89850	157.78	166	0	ANNUAL	ALL	1		New Development	RP G1
645930	4078283	218299.90210	126.06	126.06	0	ANNUAL	ALL	1		New Development	RP G1
646030	4078283	230371.22750	129.56	129.56	0	ANNUAL	ALL	1		New Development	RP_G1
646130	4078283	243708.93960	132.89	132.89	0	ANNUAL	ALL	1		New Development	RP G1
646230	4078283	258685.39670	139.24	139.24	0	ANNUAL	ALL	1		New Development	RP G1
646330	4078283	274569.18540	142.68	142.68	0	ANNUAL	ALL	1		New Development	RP G1
646430	4078283	290610.90790	140.02	140.02	0	ANNUAL	ALL	1		New Development	RP G1
646530	4078283	309834.76720	147.22	147.22	0	ANNUAL	ALL	1		New Development	RP_G1
646630	4078283	330761.26840	151.56	151.56	0	ANNUAL	ALL	1		New Development	RP G1
646730	4078283	354873.34630	156.78	166	0	ANNUAL	ALL	1		New Development	RP G1
648659.32	4077241	2082634.69760	205.79	205.79	0	ANNUAL	ALL	1		House 1	RP H1
648071.24	4076116	374743.74620	169.6	240	0	ANNUAL	ALL	1		House 10	RP H10
648247.37	4076278	471648.58800	184.55	240	0	ANNUAL	ALL	1		House 11	RP H11
648027.19	4076255	378701.82180	169.38	240	0	ANNUAL	ALL	1		House 12	RP H12
648065.77	4076359	405422.39270	173.83	240	0	ANNUAL	ALL	1		House 13	RP H13
648138.68	4076400	440909.50470	178.22	240	0	ANNUAL	ALL	1		House 14	RP_H14
0.0150.00	.0,0100		1,0.22		9					110 000 11	

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* AERMET (21112): 2020

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
648254.71	4076411	510756.77560	191.28	240	0	ANNUAL	ALL	1		House 15	RP_H15	
647877.81	4076365	347362.74830	165.39	240	0	ANNUAL	ALL	1		House 16	RP_H16	
647520	4076206	259910.99060	159	159	0	ANNUAL	ALL	1		House 17	RP_H17	
647921	4076247	346703.24920	164	240	0	ANNUAL	ALL	1		House 18	RP_H18	
647708.78	4076352	304539.93730	163.52	163.52	0	ANNUAL	ALL	1		House 19	RP_H19	
648371.71	4075470	322875.52760	173.69	227	0	ANNUAL	ALL	1		House 2	RP_H2	
647703.58	4076251	296300.48670	162.17	162.17	0	ANNUAL	ALL	1		House 20	RP_H20	
647718.77	4076104	291652.71440	159.35	159.35	0	ANNUAL	ALL	1		House 21	RP_H21	
647843.32	4076125	318636.78640	163	234	0	ANNUAL	ALL	1		House 22	RP_H22	
647842.26	4076500	353034.74880	167.93	167.93	0	ANNUAL	ALL	1		House 23	RP_H23	
647727.75	4076644	346198.02800	164.15	164.15	0	ANNUAL	ALL	1		House 24	RP_H24	
647823.91	4076644	375487.84480	168.29	168.29	0	ANNUAL	ALL	1		House 25	RP_H25	
647530	4076497	279763.59980	159.56	159.56	0	ANNUAL	ALL	1		House 26	RP_H26	
647810.11	4076854	390525.43580	162.9	162.9	0	ANNUAL	ALL	1		House 27	RP_H27	
647697.48	4076989	400523.48730	161.42	162	0	ANNUAL	ALL	1		House 28	RP_H28	
648225.5	4076182	443744.32710	183.22	240	0	ANNUAL	ALL	1		House 29	RP_H29	
647678.23	4075969	268410.56380	159.5	159.5	0	ANNUAL	ALL	1		House 3	RP_H3	
645876.32	4077487	165942.13390	127.13	142	0	ANNUAL	ALL	1		House 30	RP_H30	
650902	4076062	3116867.85020	215.24	287	0	ANNUAL	ALL	1		House 31		MEI
651490	4076597	1652866.74190	205.5	813	0	ANNUAL	ALL	1		House 32	RP_H32	
651565	4077067	1189837.90940	213.93	813	0	ANNUAL	ALL	1		House 33	RP_H33	
648672.77	4075307	475952.26630	225.91	227	0	ANNUAL	ALL	1		House 34	RP_H34	
648383.6	4075469	325604.85500	174.44	227	0	ANNUAL	ALL	1		House 35	RP_H35	
646379.37	4077233	187816.18130	146	146	0	ANNUAL	ALL	1		House 36	RP_H36	
651849.72	4075865	1171402.74450	201.97	333	0	ANNUAL	ALL	1		House 37	RP_H37	
652045.49	4076210	941031.58740	196.88	813	0	ANNUAL	ALL	1		House 38	RP_H38	
652255.69	4076391	749384.22810	197.06	813	0	ANNUAL	ALL	1		House 39	RP_H39	
647815.25	4075985	292813.92490	162.04	162.04	0	ANNUAL	ALL	1		House 4	RP_H4	
646853.73	4077373	269753.81340	145.99	145.99	0	ANNUAL	ALL	1		House 40	RP_H40	
647050.21	4077360	304075.40490	145	145	0	ANNUAL	ALL	1		House 41	RP_H41	
647286.42	4077474	377509.16300	149.68	153	0	ANNUAL	ALL	1		House 42	RP_H42	
647359.05	4077340	375871.11100	154.45	159	0	ANNUAL	ALL	1		House 43	RP_H43	
647490.41	4077329	415942.86790	162.28	162.28	0	ANNUAL	ALL	1		House 44	RP_H44	
647522.17	4077252	410055.26760	164.3	164.3	0	ANNUAL	ALL	1		House 45	RP_H45	
647517.82	4077139	384609.40920	164.01	164.01	0	ANNUAL	ALL	1		House 46	RP_H46	
646819.01	4077258	246810.25480	151.53	152	0	ANNUAL	ALL	1		House 47	RP_H47	
646778.72	4077128	226581.99050	158.51	158.51	0	ANNUAL	ALL	1		House 48	RP_H48	
646987.26	4077213	267508.02380	146.44	146.44	0	ANNUAL	ALL	1		House 49	RP_H49	
647898.2	4076033	317224.79560	163.83	237	0	ANNUAL	ALL	1		House 5	RP_H5	4
647241.77	4077227	323987.03650	154.85	154.85	0	ANNUAL	ALL	1		House 50	RP_H50	
646773.05	4077063	222123.72860	159	159	0	ANNUAL	ALL	1		House 51	RP_H51	
647104.37	4077118	276300.30620	148.99	148.99	0	ANNUAL	ALL	1		House 52	RP_H52	
647291.9	4077123	318296.75180	158.62	158.62	0	ANNUAL	ALL	1		House 53	RP_H53	
646765.24	4076978	216104.56110	158.67	158.67	0	ANNUAL	ALL	1		House 54	RP_H54	

09/02/21

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* AERMET (21112): 2020 15:3

15:30:17

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X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
646995.65	4076984	245286.30660	152.34	152.34	0	ANNUAL	ALL	1		House 55	RP_H55
647317.21	4077031	309258.07820	160.22	160.22	0	ANNUAL	ALL	1		House 56	RP_H56
647398.39	4077013	324274.35540	161.26	161.26	0	ANNUAL	ALL	1		House 57	RP_H57
646978.93	4076904	233441.20350	156.81	156.81	0	ANNUAL	ALL	1		House 58	RP_H58
647015.19	4076807	222377.33380	156.21	156.21	0	ANNUAL	ALL	1		House 59	RP_H59
648045.44	4076018	346171.54340	168.26	240	0	ANNUAL	ALL	1		House 6	RP_H6
647163.96	4076802	239871.90090	154.38	154.38	0	ANNUAL	ALL	1		House 60	RP_H60
647310.58	4076940	291075.88890	162.49	162.49	0	ANNUAL	ALL	1		House 61	RP_H61
647298.09	4076805	260291.96690	158	158	0	ANNUAL	ALL	1		House 62	RP_H62
647446.56	4076900	307133.56190	159.45	159.45	0	ANNUAL	ALL	1		House 63	RP_H63
647464.49	4076781	286139.66960	159.32	159.32	0	ANNUAL	ALL	1		House 64	RP_H64
647512	4076536	280578.99810	159	159	0	ANNUAL	ALL	1		House 65	RP_H65
651131	4078767	209125.24610	179.58	830	0	ANNUAL	ALL	1		House 66	RP_H66
647131	4077336	317581.13730	146.77	146.77	0	ANNUAL	ALL	1		House 67	RP_H67
646798	4076740	190413.48670	156.07	156.07	0	ANNUAL	ALL	1		House 68	RP_H68
646900	4076802	209385.70810	159	159	0	ANNUAL	ALL	1		House 69	RP_H69
648126.33	4075955	350521.98960	171.51	240	0	ANNUAL	ALL	1		House 7	RP_H7
647317	4076662	248097.27990	159.9	159.9	0	ANNUAL	ALL	1		House 70	RP_H70
648249.26	4075970	394034.69040	183.42	240	0	ANNUAL	ALL	1		House 8	RP_H8
648218.58	4076109	422493.58540	182.28	240	0	ANNUAL	ALL	1		House 9	RP_H9
649744	4079173	447170.30110	176.1	830	0	ANNUAL	ALL	1		Grid Receptor 51	G51
650144	4079173	308924.96600	173	830	0	ANNUAL	ALL	1		Grid Receptor 61	G61
650544	4079173	223397.48650	177	830	0	ANNUAL	ALL	1		Grid Receptor 71	G71
650944	4079173	177530.92100	181.3	830	0	ANNUAL	ALL	1		Grid Receptor 81	G81
651344	4079173	165696.98640	191	830	0	ANNUAL	ALL	1		Grid Receptor 91	G91

09/02/21

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in µg/m³.

Concetration values multiplied by a factor of 10 to convert from 0.1 lb/hr-SF to 1 lb/hr-SF for dispersion factor use.

* AERMET (21112): 2018

09:04:47

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 289 RECEPTORS.

FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		3(1X,F13.5),3(1X,F8.2)										
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
645996	4078698	324784.8870	123.85	123.85	1.5	ANNUAL	ALL	1		AQ Monitoring Station	AQ_ST_1	
643903.65	4077719	123471.9772	105.68	105.68	1.5	ANNUAL	ALL	1		Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.782	4079416	110567.1469	85.12	85.12	1.5	ANNUAL	ALL	1		Dunne Park	CR_PK_1	
642179.095	4079950	118271.4082	117.99	117.99	1.5	ANNUAL	ALL	1		Vista Park Hill Park	CR_PK_2	
644733.142	4078753	220358.6095	106.44	106.44	1.5	ANNUAL	ALL	1		Las Brisas Park	CR_PK_3	
645608.808	4078854	279441.9326	112.86	112.86	1.5	ANNUAL	ALL	1		Frank Klauer Memorial Park	CR_PK_4	
644238.054	4078807	190664.8578	95.25	95.25	1.5	ANNUAL	ALL	1		Veterans Memorial Park	CR_PK_5	
645311.476	4076559	169985.4631	134.61	134.61	1.5	ANNUAL	ALL	1		Park 6	CR_PK_6	
649581.689	4073424	215119.3110	159.96	318	1.5	ANNUAL	ALL	1		Park 7	CR_PK_7	
645145.11	4077181	178520.8682	133	133	1.5	ANNUAL	ALL	1		Cerra Vista Elem School	CR_SC_1	
642904.712	4079955	130174.6378	86	86	1.5	ANNUAL	ALL	1		San Andreas Continuation	CR_SC_10	
645850.678	4074015	71838.6116	123	313	1.5	ANNUAL	ALL	1		SouthSide School	CR_SC_11	
642105.679	4078176	80126.9750	91	91	1.5	ANNUAL	ALL	1		School 12	CR_SC_12	
646058.93	4078443	350803.6024	128.52	128.52	1.5	ANNUAL	ALL	1		Rancho Santana School	CR_SC_13	School 1
647269	4075575	198736.9195	158	158	1.5	ANNUAL	ALL	1		Future School	CR_SC_14	School 2
648466	4074106	145989.1703	159	240	1.5	ANNUAL	ALL	1		Tres Pinos Union Elementary School	CR_SC_15	
644109.6	4078389	184326.3662	98.2	98.2	1.5	ANNUAL	ALL	1		Sunnyslope Elem School	CR_SC_2	
643920.12	4077304	125378.3320	101.23	101.23	1.5	ANNUAL	ALL	1		Hollister Montessori School	CR SC 3	
642961.07	4078621	138648.8790	92	92	1.5	ANNUAL	ALL	1		Rancho San Justo Middle School	CR SC 4	
643980.02	4079743	160701.4348	88	88	1.5	ANNUAL	ALL	1		Marguerite Maze Middle School	CR SC 5	1
641630.17	4079153	107808.7376	85	85	1.5	ANNUAL	ALL	1		Hollister Prep Schoo	CR SC 6	
643350.03	4077181	106911.9685	98.22	98.22	1.5	ANNUAL	ALL	1		Ladd Lane Elementary School	CR SC 7	1
644002.96	4080079	147820.5345	87	87	1.5	ANNUAL	ALL	1		Gabilan Hills Elementary School	CR SC 8	1
642244.858	4078413	98924.6214	90.17	90.17	1.5	ANNUAL	ALL	1		San Benito High School	CR SC 9	1
642083.447	4079794	112770.3868	87.58	127	1.5	ANNUAL	ALL	1		Jovenes De Antano	CR SR 1	
646402	4076879	286857.1151	146.33	153	1.5	ANNUAL	ALL	1		Workplace	CR WP 1	1
648949	4077938	2037992.0061	189.45	259	1.5	ANNUAL	ALL	1		Nearest Workplace		MEIW
647744	4079173	582066.8131	155.2	155.2	1.5	ANNUAL	ALL	1		Grid Receptor 1	G1	
647744	4075573	237367.5951	160	160	1.5	ANNUAL	ALL	1		Grid Receptor 10	G10	
651344	4075573	983982.7342	252.9	252.9	1.5	ANNUAL	ALL	1		Grid Receptor 100	G100	1
648144	4079173	629715.7092	165.9	165.9	1.5	ANNUAL	ALL	1		Grid Receptor 11	G11	
648144	4078773	790361.6238	159.6	159.6	1.5	ANNUAL	ALL	1		Grid Receptor 12	G12	1
648144	4078373	968089.3657	146.2	146.2	1.5	ANNUAL	ALL	1		Grid Receptor 13	G13	
648144	4077973	1165251.3701	158.3	181	1.5	ANNUAL	ALL	1		Grid Receptor 14	G14	1
648144	4077573	1298276.4101	166.6	179	1.5	ANNUAL	ALL	1		Grid Receptor 15	G15	
648144	4077173	1169950.1835	175.4	175.4	1.5	ANNUAL	ALL	1		Grid Receptor 16	G16	1
648144	4076773	814960.7157	177.1	240	1.5	ANNUAL	ALL	1		Grid Receptor 17	G17	
648144	4076373	520012.3983	178	240	1.5	ANNUAL	ALL	1		Grid Receptor 18	G17	4
648144	4075973	362194.0607	173	240	1.5	ANNUAL	ALL	1		Grid Receptor 19	G19	
647744	4078773	666877.5048	145.4	145.4	1.5	ANNUAL	ALL	1		Grid Receptor 2	G2	4
648144	4075573	264195.9709	168.8	190	1.5	ANNUAL	ALL	1		Grid Receptor 20	G20	
648544	4073373	614700.5926	173.5	190	1.5	ANNUAL	ALL	1		Grid Receptor 21	G20 G21	4
648544	4079173	834945.8096	166.2	166.2	1.5	ANNUAL	ALL	1		Grid Receptor 22	G21 G22	
648544	4078373	1140552.1050	145.4	253	1.5	ANNUAL	ALL	1		Grid Receptor 22 Grid Receptor 23	G22 G23	4
648544	4078373	1616071.4710	173.9	214	1.5	ANNUAL	ALL	1		Grid Receptor 24	G23 G24	
	4077573		173.9	214	1.5	ANNUAL	ALL	1		•	G24 G25	4
648544 648544	4077173	2035257.5286		227	1.5	ANNUAL	ALL	1		Grid Receptor 25	G25 G26	
		2004041.0393	191 209.2		1.5			1		Grid Receptor 26		4
648544	4076773	1566479.6396	209.2	240	1.5	ANNUAL	ALL	1		Grid Receptor 27	G27	I

* AERMET (21112): 2018 09:

09:04:47

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		3(1X,F13.5),3(1X,F8.2),					CPP	NIT 13 5 5 100 00	NIDO KO		
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648544	4076373	807688.9949	233.7	240	1.5	ANNUAL	ALL	1		Grid Receptor 28	G28
648544	4075973	514038.8933	199.9	240	1.5	ANNUAL	ALL	1		Grid Receptor 29	G29
647744	4078373	757009.4472	144.4	144.4	1.5	ANNUAL	ALL	1		Grid Receptor 3	G3
648544	4075573	338039.9815	195.5	227	1.5	ANNUAL	ALL	1		Grid Receptor 30	G30
648944	4079173	567186.5763	190.4	194	1.5	ANNUAL	ALL	1		Grid Receptor 31	G31
648944	4078773	791306.8893	165.4	165.4	1.5	ANNUAL	ALL	1		Grid Receptor 32	G32
648944	4078373	1197410.6941	159.6	259	1.5	ANNUAL	ALL	1		Grid Receptor 33	G33
648944	4077973	1913649.2702	183.5	259	1.5	ANNUAL	ALL	1		Grid Receptor 34	G34
648944	4077573	4290058.8019	224	226	1.5	ANNUAL	ALL	1		Grid Receptor 35	G35
648944	4076373	1189960.1745	205	240	1.5	ANNUAL	ALL	1		Grid Receptor 38	G38
648944	4075973	737760.8646	208.8	220	1.5	ANNUAL	ALL	1		Grid Receptor 39	G39
647744	4077973	867322.1700	134.6	181	1.5	ANNUAL	ALL	1		Grid Receptor 4	G4
648944	4075573	430559.4812	185.6	300	1.5	ANNUAL	ALL	1		Grid Receptor 40	G40
649344	4079173	442286.4392	187.4	801	1.5	ANNUAL	ALL	1		Grid Receptor 41	G41
649344	4078773	648913.4045	160.9	813	1.5	ANNUAL	ALL	1		Grid Receptor 42	G42
649344	4078373	1286956.9992	200.5	221	1.5	ANNUAL	ALL	1		Grid Receptor 43	G43
649344	4077973	2557872.4847	229	253	1.5	ANNUAL	ALL	1		Grid Receptor 44	G44
649344	4077573	1690692.7509	253.3	259	1.5	ANNUAL	ALL	1		Grid Receptor 45	G45
649344	4076373	3473230.6336	220.2	263	1.5	ANNUAL	ALL	1		Grid Receptor 48	G48
649344	4075973	1378423.4882	227.2	227.2	1.5	ANNUAL	ALL	1		Grid Receptor 49	G49
647744	4077573	910735.3505	163.8	171	1.5	ANNUAL	ALL	1		Grid Receptor 5	G5
649344	4075573	799760.0035	205.5	300	1.5	ANNUAL	ALL	1		Grid Receptor 50	G50
649744	4078773	545804.4650	195	813	1.5	ANNUAL	ALL	1		Grid Receptor 52	G52
649744	4078373	927116.9014	196.1	227	1.5	ANNUAL	ALL	1		Grid Receptor 53	G53
649744	4077973	2429142.4957	215.3	251	1.5	ANNUAL	ALL	1		Grid Receptor 54	G54
649744	4077573	7233289.5362	221.6	259	1.5	ANNUAL	ALL	1		Grid Receptor 55	G55
649744	4076373	7556756.9905	211.7	266	1.5	ANNUAL	ALL	1		Grid Receptor 58	G58
649744	4075973	1915623.7412	237.7	257	1.5	ANNUAL	ALL	1		Grid Receptor 59	G59
647744	4077173	773952.4018	158.4	171	1.5	ANNUAL	ALL	1		Grid Receptor 6	G6
649744	4075573	1268816.3197	204.2	300	1.5	ANNUAL	ALL	1		Grid Receptor 60	G60
650144	4078773	411894.2835	171	830	1.5	ANNUAL	ALL	1		Grid Receptor 62	G62
650144	4078373	740751.3905	204.6	813	1.5	ANNUAL	ALL	1		Grid Receptor 63	G63
650144	4077973	1580279.4247	216.5	290	1.5	ANNUAL	ALL	1		Grid Receptor 64	G64
650144	4077573	1265627.9758	257.7	257.7	1.5	ANNUAL	ALL	1		Grid Receptor 65	G65
650144	4076373	5582742.9141	231.4	272	1.5	ANNUAL	ALL	1		Grid Receptor 68	G68
650144	4075973	1615868.7318	249.4	266	1.5	ANNUAL	ALL	1		Grid Receptor 69	G69
647744	4076773	594016.3818	164.7	164.7	1.5	ANNUAL	ALL	1		Grid Receptor 7	G7
650144	4075573	1753053.3688	216.4	300	1.5	ANNUAL	ALL	1		Grid Receptor 70	G70
650544	4078773	348829.0003	180.9	830	1.5	ANNUAL	ALL	1		Grid Receptor 72	G72
650544	4078373	539979.4367	196.6	830	1.5	ANNUAL	ALL	1		Grid Receptor 73	G73
650544	4077973	876530.5127	236.9	801	1.5	ANNUAL	ALL	1		Grid Receptor 74	G74
650544	4077573	619738.3098	261.3	287	1.5	ANNUAL	ALL	1		Grid Receptor 75	G75
650544	4076373	1780503.5463	260.9	260.9	1.5	ANNUAL	ALL	1		Grid Receptor 78	G78
650544	4075973	2997656.9266	226.7	287	1.5	ANNUAL	ALL	1		Grid Receptor 79	G79
647744	4076373	395033.3448	164	164	1.5	ANNUAL	ALL	1		Grid Receptor 8	G8
650544	4075573	686775.6443	268.2	287	1.5	ANNUAL	ALL	1		Grid Receptor 80	G80
650944	4078773	286915.6215	178.4	830	1.5	ANNUAL	ALL	1		Grid Receptor 82	G82
650944	4078373	536482.6078	214.8	830	1.5	ANNUAL	ALL	1			G83
030944	40/83/3	330482.0078	214.8	830	1.5	ANNUAL	ALL	1		Grid Receptor 83	G85

* AERMET (21112): 2018 09

09:04:47

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

650944 4077973 4395748325 249.9 813 1.5 ANNLAL ALL 1 Grid Receptor 84 G8 650944 4077173 375020 525 276.5 296 1.5 ANNLAL ALL 1 Grid Receptor 85 G8: 650944 4077173 3664994.5067 223.6 296 1.5 ANNLAL ALL 1 Grid Receptor 86 G8 650944 407673 3575991.850 20.2 273 1.5 ANNLAL ALL 1 Grid Receptor 87 G8: 650944 4076373 3575991.850 20.0 2.2 273 1.5 ANNLAL ALL 1 Grid Receptor 88 G8: 650944 4076373 2575991.850 20.6 287 1.5 ANNLAL ALL 1 Grid Receptor 89 G8: 650944 4075973 255991.850 21.6 2 287 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 650944 4075973 255991.850 21.6 2 287 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 650944 4075973 255991.850 21.6 2 287 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 4075973 265687.5066 181 830 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 4077873 265687.5066 181 830 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 4077973 429165.5694 248.4 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 4077973 1107915.1474 21.2 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1107915.1474 21.2 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1107915.1474 21.2 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1107915.1474 21.2 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1107915.1474 21.2 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1207915.1474 21.2 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1207915.1474 21.2 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1207915.1474 21.2 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1207915.1474 21.2 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1207915.1474 21.2 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1207915.1474 21.2 826 1.5 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1207915.1475 21.2 829 8.1 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1207915.1475 21.2 829 8.1 ANNLAL ALL 1 Grid Receptor 9 G9: 651344 407773 1207915.1475 21.2 829 8.1 ANNLAL ALL 1 Boundary Perimeter 1 P11 649884.03 407753 1407915.1475 21.2 829 8.1 ANNLAL ALL 1 Boundary Perimeter 1 P11 649884.03 407753 1407915.1475 21.2 829 8.1 ANNLAL			3(1X,F13.5),3(1X,F8.2),				ANTE	CDD	NHM VDC	NET ID	Description	ID
650944 4077573 377592.1524 276.5 296 1.5 ANNUAL ALL 1 Grid Receptor 85 GR 650944 4076773 5376806.8702 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 87 GR 650944 4076773 5376806.8702 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 87 GR 650944 4075973 27924.4778 160.7 160.7 160.7 160.7 160.7 650944 4075973 27924.478 160.7 160.7 160.7 160.7 160.7 650944 4075973 27924.478 160.7 160.7 160.7 160.7 160.7 650944 4075973 27924.478 160.7 160.7 160.7 160.7 160.7 650944 4075573 1439110.0705 243.2 289 1.5 ANNUAL ALL 1 Grid Receptor 90 Grid Greeptor 90 Grid Grid Greeptor 90 Grid Grid Grid Grid Grid Grid Grid Grid	X 650044	Y 4077072	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
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650776.81 4077554 508049.2230 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077454 586514.1622 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077354 958182.0344 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077254 1854372.5822 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077154 2369625.0450 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 3639607.2822 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 4845681.1179 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P25 648784.19 4077527 3417890.6167 209.74 209.74 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P3 650791.48 4076854 4229480.4504 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P36 650783.79 4076754 7425820.5839 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 7843697.4000 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 65066.22 4076650 8560530.2356 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P3 650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P36 650364.01 4076682 10961442.3070 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 65064.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 65064.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 65064.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 65064.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 65064.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 65064.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 65064.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 65064.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 65064.24 40	650583.78	4077557	682073.6158	259.71	290		ANNUAL		1		Boundary Perimeter 21	P21
650778.91 4077454 586514.1622 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077354 958182.0344 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077254 1854372.5822 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077154 2369625.0450 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 3639607.2822 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 4845681.1179 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P25 648784.19 4077527 3417890.6167 209.74 209.74 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P3 650791.48 4076854 4229480.4504 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P36 650793.57 4076754 7425820.5839 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 7843697.4000 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P36 65060.22 4076650 8560530.2356 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P36 650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P36 65064.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37	650683.75	4077559	695622.7521				ANNUAL	ALL	1		Boundary Perimeter 22	P22
650781 4077354 958182.0344 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077254 1854372.5822 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077154 2369625.0450 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 3639607.2822 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650788.38 4076954 4845681.1179 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 648784.19 4077527 3417890.6167 209.74 209.74 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P3 650791.48 4076854 4229480.4504 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P36	650776.81	4077554	508049.2230	267.9	296	1.5	ANNUAL	ALL	1		Boundary Perimeter 23	P23
650783.1 4077254 1854372.5822 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077154 2369625.0450 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 3639607.2822 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 4845681.1179 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P25 648784.19 4077527 3417890.6167 209.74 209.74 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P3 650791.48 4076854 4229480.4504 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P36 650793.57 4076754 742580.5839 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31	650778.91	4077454	586514.1622	275.91	275.91	1.5	ANNUAL	ALL	1		Boundary Perimeter 24	P24
650785.19 4077154 2369625.0450 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 3639607.2822 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 4845681.1179 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P25 648784.19 4077527 3417890.6167 209.74 209.74 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P3 650791.48 4076854 4229480.4504 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P3 650793.57 4076754 7425820.5839 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 7843697.4000 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 65060.22 4076650 856050.2356 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 9425079.9479 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 10961442.3070 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37	650781	4077354	958182.0344	265.73	281	1.5	ANNUAL	ALL	1		Boundary Perimeter 25	P25
650787.29 4077054 3639607.2822 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 4845681.1179 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 648784.19 4077527 3417890.6167 209.74 209.74 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P3 650791.48 4076854 4229480.4504 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P3 650793.57 4076754 7425820.5839 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P3 650754.39 4076683 7843697.4000 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P3 65060.22 4076650 8560530.2356 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P3 650561.43 4076650 9425079.9479 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P3 650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P3 650364.01 4076682 10961442.3070 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P3 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P3 75 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1	650783.1	4077254	1854372.5822	251.08	282	1.5	ANNUAL	ALL	1		Boundary Perimeter 26	P26
650789.38 4076954 4845681.1179 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 648784.19 4077527 3417890.6167 209.74 209.74 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P3 650791.48 4076854 4229480.4504 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P36 650793.57 4076754 7425820.5839 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 7843697.4000 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P32 650660.22 4076650 856053.02356 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 9425079.9479 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 <tr< td=""><td></td><td>4077154</td><td>2369625.0450</td><td>252.83</td><td>281</td><td>1.5</td><td>ANNUAL</td><td></td><td>1</td><td></td><td>Boundary Perimeter 27</td><td>P27</td></tr<>		4077154	2369625.0450	252.83	281	1.5	ANNUAL		1		Boundary Perimeter 27	P27
648784.19 4077527 3417890.6167 209.74 209.74 1.5 ANNUAL ALL 1 Boundary Perimeter 3 P3 650791.48 4076854 4229480.4504 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 7425820.5839 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650764.39 4076683 7843697.4000 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 8560530.2356 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P33 650660.22 4076650 9425079.9479 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P36 <t< td=""><td>650787.29</td><td>4077054</td><td>3639607.2822</td><td>246.1</td><td></td><td>1.5</td><td>ANNUAL</td><td></td><td>1</td><td></td><td>Boundary Perimeter 28</td><td>P28</td></t<>	650787.29	4077054	3639607.2822	246.1		1.5	ANNUAL		1		Boundary Perimeter 28	P28
650791.48 4076854 4229480.4504 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P36 650793.57 4076754 7425820.5839 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 7843697.4000 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 8560530.2356 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 9425079.9479 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 10961442.3070 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 <t< td=""><td>650789.38</td><td>4076954</td><td>4845681.1179</td><td>241.37</td><td>269</td><td>1.5</td><td>ANNUAL</td><td>ALL</td><td>1</td><td></td><td>Boundary Perimeter 29</td><td>P29</td></t<>	650789.38	4076954	4845681.1179	241.37	269	1.5	ANNUAL	ALL	1		Boundary Perimeter 29	P29
650793.57 4076754 7425820.5839 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 7843697.4000 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 8560530.2356 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 9425079.9479 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 10961442.3070 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 <td>648784.19</td> <td>4077527</td> <td>3417890.6167</td> <td>209.74</td> <td>209.74</td> <td>1.5</td> <td>ANNUAL</td> <td></td> <td>1</td> <td></td> <td>Boundary Perimeter 3</td> <td>Р3</td>	648784.19	4077527	3417890.6167	209.74	209.74	1.5	ANNUAL		1		Boundary Perimeter 3	Р3
650754.39 4076683 7843697.4000 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 8560530.2356 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 9425079.9479 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 10961442.3070 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37	650791.48	4076854	4229480.4504	246.79	251	1.5	ANNUAL	ALL	1		Boundary Perimeter 30	P30
650660.22 4076650 8560530.2356 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 9425079.9479 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 10961442.3070 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37	650793.57	4076754	7425820.5839	228.75	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 31	P31
650561.43 4076650 9425079.9479 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 10961442.3070 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37	650754.39	4076683	7843697.4000	217.76	271	1.5	ANNUAL	ALL	1		Boundary Perimeter 32	P32
650561.43 4076650 9425079.9479 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 10961442.3070 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37	650660.22	4076650	8560530.2356	221.2	273	1.5	ANNUAL	ALL	1		Boundary Perimeter 33	P33
650462.72 4076666 10205624.7003 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 10961442.3070 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37									1		<u> </u>	P34
650364.01 4076682 10961442.3070 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37									1		·	P35
650264.24 4076683 10956208.7152 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37									1		•	P36
•									1		·	P37
650164.71 4076674 11350163.4468 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38	650164.71	4076674	11350163.4468	222.1	249	1.5	ANNUAL	ALL	1		Boundary Perimeter 38	P38

* AERMET (21112): 2018

09:04:47

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 289 RECEPTORS.

FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

1010		3(1A,F13.3),3(1A,F6.2)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,271,10.0,2.	21,710)					
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID Description	ID
650065.8	4076660	12197580.8125	217.03	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 39	P39
648884.17	4077529	4112169.2366	214.25	227	1.5	ANNUAL	ALL	1	Boundary Perimeter 4	P4
649980.44	4076627	12745526.7989	214.82	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 40	P40
649920.26	4076547	12441547.6399	214.91	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 41	P41
649852.19	4076474	11057600.2545	214.09	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 42	P42
649770.68	4076417	9069674.0334	211.53	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 43	P43
649680.48	4076375	7295244.6354	210.17	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 44	P44
649580.91	4076368	5763515.3722	208.52	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 45	P45
649482.48	4076384	4631424.3821	207.5	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 46	P46
649391.59	4076425	4118113.2482	205.17	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 47	P47
649303.5	4076472	3508786.3178	202.16	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 48	P48
649226.19	4076535	3314066.5693	196.38	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 49	P49
648984.14	4077530	4771265.6801	221.41	221.41	1.5	ANNUAL	ALL	1	Boundary Perimeter 5	P5
649156.2	4076605	3399608.3933	195.87	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 50	P50
649068.25	4076653	2943043.4263	196.32	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 51	P51
648986.7	4076711	2714577.3784	192.42	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 52	P52
648936.53	4076759	2658615.4834	192.46	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 53	P53
648868.58	4076833	2577680.6789	191.63	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 54	P54
648797.23	4076902	2421237.4288	186.32	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 55	P55
648710.56	4076952	2158792.0597	179.81	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 56	P56
548620.79	4076996	1948052.8675	176.23	250	1.5	ANNUAL	ALL	1	•	P57
					1.5		ALL	1	Boundary Perimeter 57 Boundary Perimeter 58	P58
648607.19	4077051 4077119	2006457.3409 2379976.3867	175.02	250		ANNUAL		1		
648680.07 649084.12			180.62	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 59	P59
	4077532	5031025.2735	216.54	259	1.5	ANNUAL ANNUAL	ALL	1	Boundary Perimeter 6	P6
648759.24	4077180	2869214.7879	183.47	259	1.5		ALL	1	Boundary Perimeter 60	P60
548791.44	4077262	3427304.3862	202.88	245	1.5	ANNUAL	ALL		Boundary Perimeter 61	P61
648788.45	4077362	3126658.5188	178.21	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 62	P62
648691.25	4077361	2636303.1357	176.25	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 63	P63
648591.35	4077357	2238622.7277	176	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 64	P64
648525.69	4077371	2031775.6983	175.24	245	1.5	ANNUAL	ALL	1	Boundary Perimeter 65	P65
648586.93	4077430	2226069.5671	175.13	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 66	P66
649184.09	4077534	4747117.6863	230.71	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 7	P7
649284.08	4077535	2197365.7440	248.08	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 8	P8
649384.06	4077536	1479592.3174	258.43	258.43	1.5	ANNUAL	ALL	1	Boundary Perimeter 9	P9
645930	4077983	333821.9892	127.38	127.38	1.5	ANNUAL	ALL	1	New Development	RP_G1
646030	4077983	350350.2899	131.21	131.21	1.5	ANNUAL	ALL	1	New Development	RP_G1
646130	4077983	367965.4802	135.89	135.89	1.5	ANNUAL	ALL	1	New Development	RP_G1
646230	4077983	386400.3794	139.18	139.18	1.5	ANNUAL	ALL	1	New Development	RP_G1
646330	4077983	405559.1727	140.76	140.76	1.5	ANNUAL	ALL	1	New Development	RP_G1
646430	4077983	426374.1005	143.89	143.89	1.5	ANNUAL	ALL	1	New Development	RP_G1
646530	4077983	447939.8196	145.22	145.22	1.5	ANNUAL	ALL	1	New Development	RP_G1
646630	4077983	471080.1645	147.21	147.21	1.5	ANNUAL	ALL	1	New Development	RP_G1
646730	4077983	495336.6544	148.3	160	1.5	ANNUAL	ALL	1	New Development	RP_G1
645930	4078083	341373.8205	127.58	127.58	1.5	ANNUAL	ALL	1	New Development	RP_G1
646030	4078083	356896.7494	130.56	130.56	1.5	ANNUAL	ALL	1	New Development	RP G1
646130	4078083	373575.7806	134.35	134.35	1.5	ANNUAL	ALL	1	New Development	RP G1
646230	4078083	391659.5987	139.22	139.22	1.5	ANNUAL	ALL	1	New Development	RP G1
646330	4078083	411275.1183	144.65	144.65	1.5	ANNUAL	ALL	1	New Development	RP_G1

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* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A.1X.3(1X.F13.5).3(1X.F8.2).2X.A6.2X.A8.2X.I8.8.2X.A8)

		3(1X,F13.5),3(1X,F8.2)					CDD		NIPP VP		***	
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
646430	4078083	429422.4731	142.28	142.28	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646530	4078083	450888.3504	146.76	146.76	1.5	ANNUAL	ALL	1		New Development	RP_G1	_
646630	4078083	473529.5429	150.64	150.64	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646730	4078083	498259.6905	155.4	157	1.5	ANNUAL	ALL	1		New Development	RP_G1	
645930	4078183	344605.4736	127.22	127.22	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646030	4078183	359688.2394	130.56	130.56	1.5	ANNUAL	ALL	1		New Development	RP_G1	_
646130	4078183	375595.5534	133.89	133.89	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646230	4078183	393136.9851	140.45	140.45	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646330	4078183	411986.8526	146.94	146.94	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646430	4078183	426826.9306	140.23	140.23	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646530	4078183	447128.5910	147.25	147.25	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646630	4078183	467827.6384	151.56	151.56	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646730	4078183	491464.8813	157.78	166	1.5	ANNUAL	ALL	1		New Development	RP_G1	
645930	4078283	344441.7244	126.06	126.06	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646030	4078283	358366.9586	129.56	129.56	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646130	4078283	372741.5713	132.89	132.89	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646230	4078283	388416.6462	139.24	139.24	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646330	4078283	404130.3117	142.68	142.68	1.5	ANNUAL	ALL	1		New Development	RP G1	
646430	4078283	418570.6001	140.02	140.02	1.5	ANNUAL	ALL	1		New Development	RP G1	
646530	4078283	437076.7434	147.22	147.22	1.5	ANNUAL	ALL	1		New Development	RP G1	
646630	4078283	456051.4811	151.56	151.56	1.5	ANNUAL	ALL	1		New Development	RP G1	
646730	4078283	477449.1713	156.78	166	1.5	ANNUAL	ALL	1		New Development	RP G1	
648659.32	4077241	2777690.5819	205.79	205.79	1.5	ANNUAL	ALL	1		House 1	RP H1	
648071.24	4076116	374573.9497	169.6	240	1.5	ANNUAL	ALL	1		House 10	RP_H10	
648247.37	4076278	503783.2778	184.55	240	1.5	ANNUAL	ALL	1		House 11	RP H11	
648027.19	4076255	415684.4261	169.38	240	1.5	ANNUAL	ALL	1		House 12	RP H12	
648065.77	4076359	481726.2353	173.83	240	1.5	ANNUAL	ALL	1		House 13	RP H13	
648138.68	4076400	534916.6798	178.22	240	1.5	ANNUAL	ALL	1		House 14	RP H14	
648254.71	4076411	614836.0140	191.28	240	1.5	ANNUAL	ALL	1		House 15	RP H15	
647877.81	4076365	425502.0347	165.39	240	1.5	ANNUAL	ALL	1		House 16	RP H16	
647520	4076206	292974.7713	159	159	1.5	ANNUAL	ALL	1		House 17	RP H17	
647921	4076247	384095.4941	164	240	1.5	ANNUAL	ALL	1		House 18	RP_H18	
647708.78	4076352	378234.5702	163.52	163.52	1.5	ANNUAL	ALL	1		House 19	RP H19	
648371.71	4075470	260208.1599	173.69	227	1.5	ANNUAL	ALL	1		House 2	RP H2	
647703.58	4076251	338369.0560	162.17	162.17	1.5	ANNUAL	ALL	1		House 20	RP H20	
647718.77	4076104	297950.3067	159.35	159.35	1.5	ANNUAL	ALL	1		House 21	RP H21	-
647843.32	4076104	326662.4425	163	234	1.5	ANNUAL	ALL	1		House 22	RP H22	
647842.26	4076500	479748.2791	167.93	167.93	1.5	ANNUAL	ALL	1		House 23	RP H23	-
647727.75	4076644	521656.7889	164.15	164.15	1.5	ANNUAL	ALL	1		House 24	RP H24	
647823.91	4076644	554461.8383	168.29	168.29	1.5	ANNUAL	ALL	1		House 25	RP_H24 RP_H25	-
		395199.8179	159.56	159.56	1.5	ANNUAL	ALL	1			RP_H25 RP_H26	-
647530	4076497									House 26		-
647810.11	4076854	668549.5303	162.9	162.9	1.5	ANNUAL	ALL	1		House 27	RP_H27	-
647697.48	4076989	674691.4644	161.42	162	1.5	ANNUAL	ALL	1		House 28	RP_H28	-
648225.5	4076182	446056.6315	183.22	240	1.5	ANNUAL	ALL	1		House 29	RP_H29	-
647678.23	4075969	267496.6186	159.5	159.5	1.5	ANNUAL	ALL	1		House 3	RP_H3	
645876.32	4077487	260535.8556	127.13	142	1.5	ANNUAL	ALL	1		House 30	RP_H30	
650902	4076062	2826162.6800	215.24	287	1.5	ANNUAL	ALL	1		House 31	RP_H31	ME
651490	4076597	1864775.5284	205.5	813	1.5	ANNUAL	ALL	1		House 32	RP_H32	

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		,3(1A,F13.3),3(1A,F6.2)									
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
651565	4077067	1537949.5097	213.93	813	1.5	ANNUAL	ALL	1		House 33	RP_H33
648672.77	4075307	363899.2644	225.91	227	1.5	ANNUAL	ALL	1		House 34	RP_H34
648383.6	4075469	261684.9647	174.44	227	1.5	ANNUAL	ALL	1		House 35	RP_H35
646379.37	4077233	309626.2953	146	146	1.5	ANNUAL	ALL	1		House 36	RP_H36
651849.72	4075865	1183541.6886	201.97	333	1.5	ANNUAL	ALL	1		House 37	RP_H37
652045.49	4076210	1045469.4554	196.88	813	1.5	ANNUAL	ALL	1		House 38	RP_H38
652255.69	4076391	872352.6673	197.06	813	1.5	ANNUAL	ALL	1		House 39	RP_H39
647815.25	4075985	293682.9153	162.04	162.04	1.5	ANNUAL	ALL	1		House 4	RP_H4
646853.73	4077373	428941.9202	145.99	145.99	1.5	ANNUAL	ALL	1		House 40	RP_H40
647050.21	4077360	484600.2431	145	145	1.5	ANNUAL	ALL	1		House 41	RP_H41
647286.42	4077474	607225.9216	149.68	153	1.5	ANNUAL	ALL	1		House 42	RP_H42
647359.05	4077340	602824.8362	154.45	159	1.5	ANNUAL	ALL	1		House 43	RP_H43
647490.41	4077329	668929.0605	162.28	162.28	1.5	ANNUAL	ALL	1		House 44	RP_H44
647522.17	4077252	665342.6583	164.3	164.3	1.5	ANNUAL	ALL	1		House 45	RP_H45
647517.82	4077139	631779.4438	164.01	164.01	1.5	ANNUAL	ALL	1		House 46	RP_H46
646819.01	4077258	404482.7397	151.53	152	1.5	ANNUAL	ALL	1		House 47	RP_H47
646778.72	4077128	375767.9202	158.51	158.51	1.5	ANNUAL	ALL	1		House 48	RP_H48
646987.26	4077213	440136.6072	146.44	146.44	1.5	ANNUAL	ALL	1		House 49	RP_H49
647898.2	4076033	316812.6819	163.83	237	1.5	ANNUAL	ALL	1		House 5	RP_H5
647241.77	4077227	528212.4906	154.85	154.85	1.5	ANNUAL	ALL	1		House 50	RP_H50
646773.05	4077063	365766.1716	159	159	1.5	ANNUAL	ALL	1		House 51	RP_H51
647104.37	4077118	458083.8133	148.99	148.99	1.5	ANNUAL	ALL	1		House 52	RP H52
647291.9	4077123	526602.2796	158.62	158.62	1.5	ANNUAL	ALL	1		House 53	RP H53
646765.24	4076978	354934.2333	158.67	158.67	1.5	ANNUAL	ALL	1		House 54	RP H54
646995.65	4076984	403054.6782	152.34	152.34	1.5	ANNUAL	ALL	1		House 55	RP H55
647317.21	4077031	514251.3822	160.22	160.22	1.5	ANNUAL	ALL	1		House 56	RP H56
647398.39	4077013	540540.3357	161.26	161.26	1.5	ANNUAL	ALL	1		House 57	RP H57
646978.93	4076904	387509.9286	156.81	156.81	1.5	ANNUAL	ALL	1		House 58	RP H58
647015.19	4076807	381720.4897	156.21	156.21	1.5	ANNUAL	ALL	1		House 59	RP H59
648045.44	4076018	346355.8627	168.26	240	1.5	ANNUAL	ALL	1		House 6	RP H6
647163.96	4076802	414268.1133	154.38	154.38	1.5	ANNUAL	ALL	1		House 60	RP H60
647310.58	4076940	485664.9402	162.49	162.49	1.5	ANNUAL	ALL	1		House 61	RP H61
647298.09	4076805	450526.5317	158	158	1.5	ANNUAL	ALL	1		House 62	RP H62
647446.56	4076900	519853.2457	159.45	159.45	1.5	ANNUAL	ALL	1		House 63	RP H63
647464.49	4076781	495584.2167	159.32	159.32	1.5	ANNUAL	ALL	1		House 64	RP H64
647512	4076536	409178.9906	159	159	1.5	ANNUAL	ALL	1		House 65	RP H65
651131	4078767	274702.4840	179.58	830	1.5	ANNUAL	ALL	1		House 66	RP H66
647131	4077336	507895.2143	146.77	146.77	1.5	ANNUAL	ALL	1		House 67	RP H67
646798	4076740	333187.1335	156.07	156.07	1.5	ANNUAL	ALL	1		House 68	RP H68
646900	4076802	359161.1864	159	159	1.5	ANNUAL	ALL	1		House 69	RP H69
648126.33	4075955	354697.0774	171.51	240	1.5	ANNUAL	ALL	1		House 7	RP H7
647317	4076662	424049.2824	159.9	159.9	1.5	ANNUAL	ALL	1		House 70	RP H70
648249.26	4075970	393876.4168	183.42	240	1.5	ANNUAL	ALL	1		House 8	RP H8
648218.58	4076109	417070.6529	182.28	240	1.5	ANNUAL	ALL	1		House 9	RP H9
649744	4079173	342099.0917	176.1	830	1.5	ANNUAL	ALL	1		Grid Receptor 51	G51
650144	4079173	299582.2218	173	830	1.5	ANNUAL	ALL	1		Grid Receptor 61	G61
650544	4079173	262756.0890	177	830	1.5	ANNUAL	ALL	1		Grid Receptor 71	G71
650944	4079173	226473.2675	181.3	830	1.5	ANNUAL	ALL	1		Grid Receptor 81	G81
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09/03/21

* AERMET (21112): 2018

09:04:4

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
651344	4079173	207220.0234	191	830	1.5	ANNUAL	ALL	1		Grid Receptor 91	G91

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in µg/m³.

Concetration values multiplied by a factor of 10 to convert from 0.1 lb/hr-SF to 1 lb/hr-SF for dispersion factor use.

* AERMET (19191): 2019 09:01:17

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A.1X.3(1X.F13.5).3(1X.F8.2).2X.A6.2X.A8.2X.I8.8.2X.A8)

X	Y	3(1X,F13.5),3(1X,F8.2) AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
645996	4078698	200395.35060	123.85	123.85	1.5	ANNUAL	ALL	1	AQ Monitoring Station	AQ ST 1	
643903.65	4077719	42282.64370	105.68	105.68	1.5	ANNUAL	ALL	1	Hazel Hawkins Memorial Hospital	CR HP 1	
642056.782		48854.91470	85.12	85.12	1.5	ANNUAL	ALL	1	Dunne Park	CR PK 1	
642179.095		58815.11560	117.99	117.99	1.5	ANNUAL	ALL	1	Vista Park Hill Park	CR PK 2	
644733.142		103988.89810	106.44	106.44	1.5	ANNUAL	ALL	1	Las Brisas Park	CR PK 3	
645608.808	4078854	169423.22040	112.86	112.86	1.5	ANNUAL	ALL	1	Frank Klauer Memorial Park	CR PK 4	
644238.054		85864.85070	95.25	95.25	1.5	ANNUAL	ALL	1	Veterans Memorial Park	CR PK 5	
645311.476		61647.84850	134.61	134.61	1.5	ANNUAL	ALL	1	Park 6	CR PK 6	
649581.689		216357.25820	159.96	318	1.5	ANNUAL	ALL	1	Park 7	CR PK 7	
645145.11	4077181	54220.74990	133	133	1.5	ANNUAL	ALL	1	Cerra Vista Elem School	CR SC 1	
642904.712		74544.07960	86	86	1.5	ANNUAL	ALL	1	San Andreas Continuation	CR_SC_10	
645850.678		53346.43330	123	313	1.5	ANNUAL	ALL	1	SouthSide School	CR SC 11	
642105.679	4078176	24390.02590	91	91	1.5	ANNUAL	ALL	1	School 12	CR SC 12	
646058.93	4078443	188570.97060	128.52	128.52	1.5	ANNUAL	ALL	1	Rancho Santana School	CR SC 13	School
647269	4075575	125291.48500	158	158	1.5	ANNUAL	ALL	1	Future School	CR SC 14	School 2
648466	4074106	143345.37200	159	240	1.5	ANNUAL	ALL	1	Tres Pinos Union Elementary School	CR SC 15	Ť
644109.6	4078389	70566.38250	98.2	98.2	1.5	ANNUAL	ALL	1	Sunnyslope Elem School	CR_SC_2	İ
643920.12	4077304	37335.96270	101.23	101.23	1.5	ANNUAL	ALL	1	Hollister Montessori School	CR SC 3	1
642961.07	4078621	52717.07460	92	92	1.5	ANNUAL	ALL	1	Rancho San Justo Middle School	CR SC 4	
643980.02	4079743	104958.16260	88	88	1.5	ANNUAL	ALL	1	Marguerite Maze Middle School	CR SC 5	
641630.17	4079153	44014.83910	85	85	1.5	ANNUAL	ALL	1	Hollister Prep Schoo	CR SC 6	
643350.03	4077181	29954.35280	98.22	98.22	1.5	ANNUAL	ALL	1	Ladd Lane Elementary School	CR_SC_7	
644002.96	4080079	114299.21040	87	87	1.5	ANNUAL	ALL	1	Gabilan Hills Elementary School	CR_SC_8	
642244.858	4078413	31405.95470	90.17	90.17	1.5	ANNUAL	ALL	1	San Benito High School	CR SC 9	
642083.447	4079794	52157.35080	87.58	127	1.5	ANNUAL	ALL	1	Jovenes De Antano	CR SR 1	
646402	4076879	94762.13020	146.33	153	1.5	ANNUAL	ALL	1	Workplace	CR_WP_1	
648949	4077938	2288285.07930	189.45	259	1.5	ANNUAL	ALL	1	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	675737.35930	155.2	155.2	1.5	ANNUAL	ALL	1	Grid Receptor 1	G1	
647744	4075573	156944.28520	160	160	1.5	ANNUAL	ALL	1	Grid Receptor 10	G10	
651344	4075573	949958.78880	252.9	252.9	1.5	ANNUAL	ALL	1	Grid Receptor 100	G100	
648144	4079173	784210.10580	165.9	165.9	1.5	ANNUAL	ALL	1	Grid Receptor 11	G11	Ī
648144	4078773	913163.48630	159.6	159.6	1.5	ANNUAL	ALL	1	Grid Receptor 12	G12	
648144	4078373	1001218.78420	146.2	146.2	1.5	ANNUAL	ALL	1	Grid Receptor 13	G13	Ī
648144	4077973	968640.27280	158.3	181	1.5	ANNUAL	ALL	1	Grid Receptor 14	G14	
648144	4077573	730651.05420	166.6	179	1.5	ANNUAL	ALL	1	Grid Receptor 15	G15	Ī
648144	4077173	451943.91200	175.4	175.4	1.5	ANNUAL	ALL	1	Grid Receptor 16	G16	
648144	4076773	353591.74530	177.1	240	1.5	ANNUAL	ALL	1	Grid Receptor 17	G17	
648144	4076373	326473.87090	178	240	1.5	ANNUAL	ALL	1	Grid Receptor 18	G18	
648144	4075973	256977.15360	173	240	1.5	ANNUAL	ALL	1	Grid Receptor 19	G19	
647744	4078773	709685.05080	145.4	145.4	1.5	ANNUAL	ALL	1	Grid Receptor 2	G2	
648144	4075573	218414.99560	168.8	190	1.5	ANNUAL	ALL	1	Grid Receptor 20	G20	
648544	4079173	789930.24360	173.5	191	1.5	ANNUAL	ALL	1	Grid Receptor 21	G21	

* AERMET (19191): 2019 09:01:17

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

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- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	3(1X,F13.5),3(1X,F8.2), AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648544	4078773	1051158.96130	166.2	166.2	1.5	ANNUAL	ALL	1	Grid Receptor 22	G22
648544	4078373	1306928.67790	145.4	253	1.5	ANNUAL	ALL	1	Grid Receptor 23	G22 G23
648544	4077973	1591118.66530	173.9	214	1.5	ANNUAL	ALL	1	Grid Receptor 24	G23 G24
648544	4077573	1480115.18360	179.6	227	1.5	ANNUAL	ALL	<u> </u>	Grid Receptor 25	G25
648544	4077173	930780.92010	191	226	1.5	ANNUAL	ALL	1	Grid Receptor 26	G25
648544	4076773	722729.89810	209.2	240	1.5	ANNUAL	ALL	<u> </u>	Grid Receptor 27	G27
648544	4076373	555290.50850	233.7	240	1.5	ANNUAL	ALL	1	Grid Receptor 28	G27
648544	4075973	402326.58390	199.9	240	1.5	ANNUAL	ALL	1	Grid Receptor 29	G28 G29
647744	4078373	698350.97280	144.4	144.4	1.5	ANNUAL	ALL	1	Grid Receptor 3	G3
648544	4075573	320723.92060	195.5	227	1.5	ANNUAL	ALL	<u> </u>	Grid Receptor 30	G30
648944	4079173	735437.21850	190.4	194	1.5	ANNUAL	ALL	1	Grid Receptor 31	G31
648944	4079173	993513.43960	165.4	165.4	1.5	ANNUAL	ALL	1	Grid Receptor 32	G31 G32
648944	4078373	1466966.00480	159.6	259	1.5	ANNUAL	ALL	1	Grid Receptor 32 Grid Receptor 33	G32 G33
648944	4077973	2165346.31790	183.5	259	1.5	ANNUAL	ALL	1	*	G33
648944				239	1.5		ALL	1	Grid Receptor 34	G34 G35
	4077573	3983058.15260	224			ANNUAL		-	Grid Receptor 35	
648944 648944	4076373	928270.31820	205 208.8	240 220	1.5	ANNUAL	ALL ALL	<u> </u>	Grid Receptor 38	G38 G39
	4075973 4077973	671613.11000				ANNUAL		1	Grid Receptor 39	G39 G4
647744		587620.37670	134.6	181 300	1.5	ANNUAL	ALL	1	Grid Receptor 4	G40
648944	4075573	411727.22230	185.6			ANNUAL	ALL	-	Grid Receptor 40	
649344	4079173	546254.95570	187.4	801	1.5	ANNUAL	ALL	1	Grid Receptor 41	G41
649344	4078773	802465.68280	160.9	813	1.5	ANNUAL	ALL	1	Grid Receptor 42	G42
649344	4078373	1575914.43070	200.5	221	1.5	ANNUAL	ALL	1	Grid Receptor 43	G43
649344	4077973	2951437.85650	229	253	1.5	ANNUAL	ALL	1	Grid Receptor 44	G44
649344	4077573	1901875.49420	253.3	259	1.5	ANNUAL	ALL	1	Grid Receptor 45	G45
649344	4076373	3186050.44510	220.2	263	1.5	ANNUAL	ALL	1	Grid Receptor 48	G48
649344	4075973	1343556.63950	227.2	227.2	1.5	ANNUAL	ALL	1	Grid Receptor 49	G49
647744	4077573	432093.42890	163.8	171	1.5	ANNUAL	ALL	1	Grid Receptor 5	G5
649344	4075573	796111.65400	205.5	300	1.5	ANNUAL	ALL	1	Grid Receptor 50	G50
649744	4078773	605588.59400	195	813	1.5	ANNUAL	ALL	1	Grid Receptor 52	G52
649744	4078373	1078260.17270	196.1	227	1.5	ANNUAL	ALL	<u>l</u>	Grid Receptor 53	G53
649744	4077973	2784687.42020	215.3	251	1.5	ANNUAL	ALL	1	Grid Receptor 54	G54
649744	4077573	7184286.66170	221.6	259	1.5	ANNUAL	ALL	1	Grid Receptor 55	G55
649744	4076373	7185341.84000	211.7	266	1.5	ANNUAL	ALL	1	Grid Receptor 58	G58
649744	4075973	1910082.58010	237.7	257	1.5	ANNUAL	ALL	1	Grid Receptor 59	G59
647744	4077173	273022.52100	158.4	171	1.5	ANNUAL	ALL	1	Grid Receptor 6	G6
649744	4075573	1232976.27810	204.2	300	1.5	ANNUAL	ALL	1	Grid Receptor 60	G60
650144	4078773	366218.58940	171	830	1.5	ANNUAL	ALL	1	Grid Receptor 62	G62
650144	4078373	683125.35220	204.6	813	1.5	ANNUAL	ALL	1	Grid Receptor 63	G63
650144	4077973	1535664.03200	216.5	290	1.5	ANNUAL	ALL	1	Grid Receptor 64	G64
650144	4077573	1744534.96790	257.7	257.7	1.5	ANNUAL	ALL	1	Grid Receptor 65	G65
650144	4076373	5171817.07000	231.4	272	1.5	ANNUAL	ALL	1	Grid Receptor 68	G68
650144	4075973	1643290.53950	249.4	266	1.5	ANNUAL	ALL	1	Grid Receptor 69	G69

* AERMET (19191): 2019 09:01:17

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

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- * FOR A TOTAL OF 289 RECEPTORS.
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		3(1X,F13.5),3(1X,F8.2)				4 7 7 7 7	CDF	NIVING NIPITE	B 1.1	VD.
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
647744	4076773	241731.43820	164.7	164.7	1.5	ANNUAL	ALL	1	Grid Receptor 7	G7
650144	4075573	1669132.75220	216.4	300	1.5	ANNUAL	ALL	1	Grid Receptor 70	G70
650544	4078773	294271.84350	180.9	830	1.5	ANNUAL	ALL	1	Grid Receptor 72	G72
650544	4078373	427461.37820	196.6	830	1.5	ANNUAL	ALL	1	Grid Receptor 73	G73
650544	4077973	603494.61910	236.9	801	1.5	ANNUAL	ALL	1	Grid Receptor 74	G74
650544	4077573	400204.23010	261.3	287	1.5	ANNUAL	ALL	1	Grid Receptor 75	G75
650544	4076373	1846446.47070	260.9	260.9	1.5	ANNUAL	ALL	1	Grid Receptor 78	G78
650544	4075973	2737661.84310	226.7	287	1.5	ANNUAL	ALL	1	Grid Receptor 79	G79
647744	4076373	244447.86340	164	164	1.5	ANNUAL	ALL	1	Grid Receptor 8	G8
650544	4075573	712301.50100	268.2	287	1.5	ANNUAL	ALL	1	Grid Receptor 80	G80
650944	4078773	207195.24440	178.4	830	1.5	ANNUAL	ALL	1	Grid Receptor 82	G82
650944	4078373	330544.08880	214.8	830	1.5	ANNUAL	ALL	1	Grid Receptor 83	G83
650944	4077973	246061.87930	249.9	813	1.5	ANNUAL	ALL	1	Grid Receptor 84	G84
650944	4077573	209565.90640	276.5	296	1.5	ANNUAL	ALL	1	Grid Receptor 85	G85
650944	4077173	2376310.27550	225.6	296	1.5	ANNUAL	ALL	1	Grid Receptor 86	G86
650944	4076773	4368003.29540	219.8	267	1.5	ANNUAL	ALL	1	Grid Receptor 87	G87
650944	4076373	3148966.62660	209.2	273	1.5	ANNUAL	ALL	1	Grid Receptor 88	G88
650944	4075973	2252892.40680	216.6	287	1.5	ANNUAL	ALL	1	Grid Receptor 89	G89
647744	4075973	192712.05490	160.7	160.7	1.5	ANNUAL	ALL	1	Grid Receptor 9	G9
650944	4075573	1327649.42480	243.2	289	1.5	ANNUAL	ALL	1	Grid Receptor 90	G90
651344	4078773	160004.03000	181	830	1.5	ANNUAL	ALL	1	Grid Receptor 92	G92
651344	4078373	241476.83590	214.3	830	1.5	ANNUAL	ALL	1	Grid Receptor 93	G93
651344	4077973	226290.90470	248.4	826	1.5	ANNUAL	ALL	1	Grid Receptor 94	G94
651344	4077573	617806.11610	213.2	826	1.5	ANNUAL	ALL	1	Grid Receptor 95	G95
651344	4077173	1169192.64160	213.6	813	1.5	ANNUAL	ALL	1	Grid Receptor 96	G96
651344	4076773	1683680.97780	203.5	813	1.5	ANNUAL	ALL	1	Grid Receptor 97	G97
651344	4076373	1868216.94550	205.6	220	1.5	ANNUAL	ALL	1	Grid Receptor 98	G98
651344	4075973	1632510.47220	205.8	269	1.5	ANNUAL	ALL	1	Grid Receptor 99	G99
648584.24	4077523	1553234.68850	183.61	227	1.5	ANNUAL	ALL	1	Boundary Perimeter 1	P1
649484.05	4077537	1996332.84510	254.01	257	1.5	ANNUAL	ALL	1	Boundary Perimeter 10	P10
649584.03	4077539	4603433.37440	235.3	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 11	P11
649684.02	4077540	7331957.94960	221.29	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 12	P12
649784	4077541	8145543.21360	222.37	260	1.5	ANNUAL	ALL	1	Boundary Perimeter 13	P13
649883.99	4077542	5864642.05280	233.6	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 14	P14
649983.97	4077543	2868739.06150	249.54	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 15	P15
650083.94	4077546	2089875.54940	258.89	258.89	1.5	ANNUAL	ALL	1	Boundary Perimeter 16	P16
650183.91	4077548	1744170.29170	259.56	259.56	1.5	ANNUAL	ALL	1	Boundary Perimeter 17	P17
650283.87	4077550	1168998.08820	256.77	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 18	P18
650383.84	4077552	1410849.53240	242.37	290	1.5	ANNUAL	ALL	1	Boundary Perimeter 19	P19
648684.22	4077525	2022966.01960	197.16	227	1.5	ANNUAL	ALL	1	Boundary Perimeter 2	P2
650483.81	4077554	1055820.18500	242.23	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 20	P20
650583.78	4077557	423940.39320	259.71	290	1.5	ANNUAL	ALL	1	Boundary Perimeter 21	P21
030363.78	1 0//33/	743340.37340	237./1	290	1.3	AMMUAL	ALL	1	Doulidary Fermieter 21	ГДІ

* AERMET (19191): 2019 09:01:17

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
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X	Y	,3(1X,F13.5),3(1X,F8.2), AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
650683.75	4077559	412223.84680	257.58	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 22	P22
650776.81	4077554	290956.76410	267.9	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 23	P23
650778.91	4077454	340570.64120	275.91	275.91	1.5	ANNUAL	ALL	1	Boundary Perimeter 24	P24
650781	4077354	599658.13720	265.73	281	1.5	ANNUAL	ALL	1	Boundary Perimeter 25	P25
650783.1	4077254	1249971.33330	251.08	282	1.5	ANNUAL	ALL	1	Boundary Perimeter 26	P26
650785.19	4077154	1759296.15530	252.83	281	1.5	ANNUAL	ALL	1	Boundary Perimeter 27	P27
650787.29	4077054	2944448.84200	246.1	269	1.5	ANNUAL	ALL	1	Boundary Perimeter 28	P28
650789.38	4076954	4017481.00340	241.37	269	1.5	ANNUAL	ALL	1	Boundary Perimeter 29	P29
648784.19	4077527	2819198.91100	209.74	209.74	1.5	ANNUAL	ALL	1	Boundary Perimeter 3	Р3
650791.48	4076854	3775656.40560	246.79	251	1.5	ANNUAL	ALL	1	Boundary Perimeter 30	P30
650793.57	4076754	6391368.91900	228.75	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 31	P31
650754.39	4076683	6809183.73720	217.76	271	1.5	ANNUAL	ALL	1	Boundary Perimeter 32	P32
650660.22	4076650	7535859.30580	221.2	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 33	P33
650561.43	4076650	8397042.23340	220.83	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 34	P34
650462.72	4076666	9133672.05530	223.42	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 35	P35
650364.01	4076682	9737923.73510	222.46	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 36	P36
650264.24	4076683	9639309.00150	223.19	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 37	P37
650164.71	4076674	9892225.11250	222.1	249	1.5	ANNUAL	ALL	1	Boundary Perimeter 38	P38
650065.8	4076660	10617889.16000	217.03	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 39	P39
548884.17	4077529	3608400.98920	214.25	227	1.5	ANNUAL	ALL	1	Boundary Perimeter 4	P4
549980.44	4076627	11154628.66920	214.82	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 40	P40
549920.26	4076547	11087289.26540	214.91	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 41	P41
649852.19	4076474	10158304.30010	214.09	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 42	P42
549770.68	4076417	8530776.03950	211.53	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 43	P43
649680.48	4076375	6953296.42250	210.17	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 44	P44
549580.91	4076368	5519203.72720	208.52	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 45	P45
549482.48	4076384	4365494.60540	207.5	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 46	P46
649391.59	4076425	3747771.15990	205.17	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 47	P47
649303.5	4076472	2991432.03060	202.16	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 48	P48
649226.19	4076535	2415443.22050	196.38	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 49	P49
548984.14	4077530	4412566.42680	221.41	221.41	1.5	ANNUAL	ALL	1	Boundary Perimeter 5	P5
649156.2	4076605	2101274.90220	195.87	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 50	P50
649068.25	4076653	1673665.80600	196.32	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 51	P51
648986.7	4076711	1424553.08270	192.42	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 52	P52
648936.53	4076759	1341221.60860	192.46	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 53	P53
648868.58	4076833	1259411.26390	191.63	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 54	P54
648797.23	4076902	1163080.37080	186.32	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 55	P55
648710.56	4076952	1007211.29190	179.81	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 56	P56
648620.79	4076996	870691.28920	176.23	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 57	P57
648607.19	4077051	902447.14760	175.02	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 58	P58
648680.07	4077119	1159922.66510	180.62	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 59	P59
649084.12	4077532	4833906.36130	216.54	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 6	P6

09:01:17 * AERMET (19191): 2019

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 289 RECEPTORS.

FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	,3(1X,F13.5),3(1X,F8.2), AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648759.24	4077180	1558631.58520	183.47	259	1.5	ANNUAL	ALL	1 NUMLTES NET ID	Boundary Perimeter 60	P60
648791.44	4077262	2090285.46110	202.88	245	1.5	ANNUAL	ALL	1	Boundary Perimeter 61	P61
648788.45	4077362	2106695.18370	178.21	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 62	P62
648691.25	4077361	1654979.36960	176.21	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 63	P63
648591.35	4077357	1304406.56790	176.23	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 64	P64
648525.69	4077371	1149949.59050	175.24	245	1.5	ANNUAL	ALL	1	Boundary Perimeter 65	P65
648586.93	4077430	1412816.84360	175.24	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 65 Boundary Perimeter 66	P66
649184.09	4077534	4615477.07810	230.71	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 7	P7
649284.08	4077535	2351276.52140	248.08	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 8	P8
								1	•	P9
649384.06	4077536	1680901.19040	258.43	258.43	1.5	ANNUAL	ALL	1	Boundary Perimeter 9	
645930	4077983	132844.73670	127.38	127.38	1.5	ANNUAL	ALL	•	New Development	RP_G1
646030	4077983	141839.67800	131.21	131.21	1.5	ANNUAL	ALL	1	New Development	RP_G1
646130	4077983	151718.29930	135.89	135.89	1.5	ANNUAL	ALL	1	New Development	RP_G1
646230	4077983	162425.46140	139.18	139.18	1.5	ANNUAL	ALL	1	New Development	RP_G1
646330	4077983	174005.62640	140.76	140.76	1.5	ANNUAL	ALL	1	New Development	RP_G1
646430	4077983	187100.23760	143.89	143.89	1.5	ANNUAL	ALL	1	New Development	RP_G1
646530	4077983	201307.29890	145.22	145.22	1.5	ANNUAL	ALL	1	New Development	RP_G1
646630	4077983	217176.32970	147.21	147.21	1.5	ANNUAL	ALL	1	New Development	RP_G1
646730	4077983	234490.01310	148.3	160	1.5	ANNUAL	ALL	1	New Development	RP_G1
645930	4078083	143907.87820	127.58	127.58	1.5	ANNUAL	ALL	1	New Development	RP_G1
646030	4078083	153187.94130	130.56	130.56	1.5	ANNUAL	ALL	1	New Development	RP_G1
646130	4078083	163495.70580	134.35	134.35	1.5	ANNUAL	ALL	1	New Development	RP_G1
646230	4078083	175107.67360	139.22	139.22	1.5	ANNUAL	ALL	1	New Development	RP_G1
646330	4078083	188237.52580	144.65	144.65	1.5	ANNUAL	ALL	1	New Development	RP_G1
646430	4078083	201172.20940	142.28	142.28	1.5	ANNUAL	ALL	1	New Development	RP_G1
646530	4078083	216862.38560	146.76	146.76	1.5	ANNUAL	ALL	1	New Development	RP_G1
646630	4078083	234136.43310	150.64	150.64	1.5	ANNUAL	ALL	1	New Development	RP_G1
646730	4078083	253796.49740	155.4	157	1.5	ANNUAL	ALL	1	New Development	RP_G1
645930	4078183	153473.96150	127.22	127.22	1.5	ANNUAL	ALL	1	New Development	RP_G1
646030	4078183	163369.58550	130.56	130.56	1.5	ANNUAL	ALL	1	New Development	RP_G1
646130	4078183	174339.08360	133.89	133.89	1.5	ANNUAL	ALL	1	New Development	RP_G1
646230	4078183	186981.56860	140.45	140.45	1.5	ANNUAL	ALL	1	New Development	RP_G1
646330	4078183	201188.81140	146.94	146.94	1.5	ANNUAL	ALL	1	New Development	RP_G1
646430	4078183	213593.33730	140.23	140.23	1.5	ANNUAL	ALL	1	New Development	RP_G1
646530	4078183	230384.52110	147.25	147.25	1.5	ANNUAL	ALL	1	New Development	RP_G1
646630	4078183	248534.77260	151.56	151.56	1.5	ANNUAL	ALL	1	New Development	RP_G1
646730	4078183	269986.04110	157.78	166	1.5	ANNUAL	ALL	1	New Development	RP_G1
645930	4078283	161994.74010	126.06	126.06	1.5	ANNUAL	ALL	1	New Development	RP_G1
646030	4078283	172539.23020	129.56	129.56	1.5	ANNUAL	ALL	1	New Development	RP_G1
646130	4078283	184036.75970	132.89	132.89	1.5	ANNUAL	ALL	1	New Development	RP_G1
646230	4078283	197045.58450	139.24	139.24	1.5	ANNUAL	ALL	1	New Development	RP_G1
646330	4078283	210800.04330	142.68	142.68	1.5	ANNUAL	ALL	1	New Development	RP_G1

09/03/21

* AERMOD (19191): Appendix B Attachment - Future Peak Emissions for Closure Area

* AERMET (19191): 2019 09:01:17

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- FORMAT: (A.1X.3(1X.F13.5),3(1X.F8.2),2X.A6.2X.A8.2X.I8.8.2X.A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
646430	4078283	224476.49390	140.02	140.02	1.5	ANNUAL	ALL	1	New Development	RP_G1
646530	4078283	241973.75530	147.22	147.22	1.5	ANNUAL	ALL	1	New Development	RP_G1
646630	4078283	260907.25090	151.56	151.56	1.5	ANNUAL	ALL	1	New Development	RP_G1
646730	4078283	282593.39630	156.78	166	1.5	ANNUAL	ALL	1	New Development	RP_G1
648659.32	4077241	1507190.01940	205.79	205.79	1.5	ANNUAL	ALL	1	House 1	RP_H1
648071.24	4076116	260821.29520	169.6	240	1.5	ANNUAL	ALL	1	House 10	RP_H10
648247.37	4076278	342318.99340	184.55	240	1.5	ANNUAL	ALL	1	House 11	RP_H11
648027.19	4076255	277580.71520	169.38	240	1.5	ANNUAL	ALL	1	House 12	RP_H12
648065.77	4076359	303313.19320	173.83	240	1.5	ANNUAL	ALL	1	House 13	RP_H13
648138.68	4076400	329230.58350	178.22	240	1.5	ANNUAL	ALL	1	House 14	RP_H14
648254.71	4076411	382498.41240	191.28	240	1.5	ANNUAL	ALL	1	House 15	RP_H15
647877.81	4076365	265174.15260	165.39	240	1.5	ANNUAL	ALL	1	House 16	RP H16
647520	4076206	201810.63690	159	159	1.5	ANNUAL	ALL	1	House 17	RP_H17
647921	4076247	256543.89780	164	240	1.5	ANNUAL	ALL	1	House 18	RP_H18
647708.78	4076352	237374.60680	163.52	163.52	1.5	ANNUAL	ALL	1	House 19	RP_H19
648371.71	4075470	245446.23270	173.69	227	1.5	ANNUAL	ALL	1	House 2	RP H2
647703.58	4076251	226711.02160	162.17	162.17	1.5	ANNUAL	ALL	1	House 20	RP H20
647718.77	4076104	207075.27840	159.35	159.35	1.5	ANNUAL	ALL	1	House 21	RP H21
647843.32	4076125	225123.98350	163	234	1.5	ANNUAL	ALL	1	House 22	RP H22
647842.26	4076500	268078.91820	167.93	167.93	1.5	ANNUAL	ALL	1	House 23	RP H23
647727.75	4076644	237006.24340	164.15	164.15	1.5	ANNUAL	ALL	1	House 24	RP H24
647823.91	4076644	258410.70990	168.29	168.29	1.5	ANNUAL	ALL	1	House 25	RP H25
647530	4076497	206966.15870	159.56	159.56	1.5	ANNUAL	ALL	1	House 26	RP H26
647810.11	4076854	252759.04140	162.9	162.9	1.5	ANNUAL	ALL	1	House 27	RP H27
647697.48	4076989	230390.77530	161.42	162	1.5	ANNUAL	ALL	1	House 28	RP H28
648225.5	4076182	314963.37400	183.22	240	1.5	ANNUAL	ALL	1	House 29	RP H29
647678.23	4075969	185207.36840	159.5	159.5	1.5	ANNUAL	ALL	1	House 3	RP H3
645876.32	4077487	88181.73130	127.13	142	1.5	ANNUAL	ALL	1	House 30	RP H30
650902	4076062	2499181.50770	215.24	287	1.5	ANNUAL	ALL	1	House 31	RP H31
651490	4076597	1502904.13770	205.5	813	1.5	ANNUAL	ALL	1	House 32	RP H32
651565	4077067	1022559.93220	213.93	813	1.5	ANNUAL	ALL	1	House 33	RP H33
648672.77	4075307	342416.06720	225.91	227	1.5	ANNUAL	ALL	1	House 34	RP H34
648383.6	4075469	247387.81910	174.44	227	1.5	ANNUAL	ALL	1	House 35	RP H35
646379.37	4077233	98383.13630	146	146	1.5	ANNUAL	ALL	1	House 36	RP H36
651849.72		1022795.21600	201.97	333	1.5	ANNUAL	ALL	1	House 37	RP H37
652045.49	4076210	852706.27520	196.88	813	1.5	ANNUAL	ALL	1	House 38	RP H38
652255.69	4076391	689452.73530	197.06	813	1.5	ANNUAL	ALL	1	House 39	RP H39
647815.25	4075985	202542.31160	162.04	162.04	1.5	ANNUAL	ALL	1	House 4	RP H4
646853.73	4077373	147406.27170	145.99	145.99	1.5	ANNUAL	ALL	1	House 40	RP H40
647050.21	4077360	168474.43780	145	145	1.5	ANNUAL	ALL	1	House 41	RP_H41
647286.42	4077474	230497.45890	149.68	153	1.5	ANNUAL	ALL	1	House 42	RP H42
647359.05	4077340	215730.83890	154.45	159	1.5	ANNUAL	ALL	1	House 42	RP_H43

09/03/21

* AERMET (19191): 2019

09:01:17

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Υ	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
647490.41	4077329	243122.83960	162.28	162.28	1.5	ANNUAL	ALL	NUMITAS NETID	House 44	RP H44
647522.17	4077252	233918.76180	164.3	164.3	1.5	ANNUAL	ALL	1	House 45	RP H45
647517.82	4077139	215998.78870	164.01	164.01	1.5	ANNUAL	ALL	1	House 45	RP H46
646819.01	4077258	133598.23690	151.53	152	1.5	ANNUAL	ALL	1	House 47	RP H47
646778.72	4077128	121714.61900	151.55	158.51	1.5	ANNUAL	ALL	1	House 48	RP_H48
646987.26	4077128		136.31	136.31	1.5	ANNUAL	ALL	<u> </u>	House 49	RP_H49
		145643.61630	163.83	237	1.5		ALL	1		
647898.2 647241.77	4076033 4077227	219190.73690 178898.45210	154.85	154.85	1.5	ANNUAL ANNUAL	ALL	1	House 5 House 50	RP_H5 RP_H50
646773.05	4077063	118397.85030	154.85	154.85	1.5	ANNUAL	ALL	1	House 51	RP_H51
647104.37	4077063		148.99	148.99	1.5	ANNUAL	ALL	1		
		150914.52000						1	House 52	RP_H52
647291.9	4077123 4076978	176239.26780	158.62 158.67	158.62	1.5	ANNUAL ANNUAL	ALL ALL	1	House 53 House 54	RP_H53
646765.24	4076978	115082.28430		158.67 152.34			ALL	<u> </u>		RP_H54
646995.65		130965.17660	152.34		1.5	ANNUAL		1	House 55	RP_H55
647317.21	4077031	169725.03620	160.22	160.22	1.5	ANNUAL	ALL	1	House 56	RP_H56
647398.39	4077013	179137.24100	161.26	161.26	1.5	ANNUAL	ALL	<u>l</u>	House 57	RP_H57
646978.93	4076904	128695.82580	156.81	156.81	1.5	ANNUAL	ALL	1	House 58	RP_H58
647015.19	4076807	135531.21260	156.21	156.21	1.5	ANNUAL	ALL	1	House 59	RP_H59
648045.44	4076018	242015.98800	168.26	240	1.5	ANNUAL	ALL	1	House 6	RP_H6
647163.96	4076802	150381.27440	154.38	154.38	1.5	ANNUAL	ALL	1	House 60	RP_H60
647310.58	4076940	161477.54410	162.49	162.49	1.5	ANNUAL	ALL	1	House 61	RP_H61
647298.09	4076805	166239.04540	158	158	1.5	ANNUAL	ALL	1	House 62	RP_H62
647446.56	4076900	178307.09570	159.45	159.45	1.5	ANNUAL	ALL	1	House 63	RP_H63
647464.49	4076781	192844.25650	159.32	159.32	1.5	ANNUAL	ALL	1	House 64	RP_H64
647512	4076536	200911.81620	159	159	1.5	ANNUAL	ALL	1	House 65	RP_H65
651131	4078767	181338.23680	179.58	830	1.5	ANNUAL	ALL	1	House 66	RP_H66
647131	4077336	176409.74000	146.77	146.77	1.5	ANNUAL	ALL	I .	House 67	RP_H67
646798	4076740	121820.80200	156.07	156.07	1.5	ANNUAL	ALL	l .	House 68	RP_H68
646900	4076802	126700.60350	159	159	1.5	ANNUAL	ALL	1	House 69	RP_H69
648126.33	4075955	250701.61610	171.51	240	1.5	ANNUAL	ALL	1	House 7	RP_H7
647317	4076662	178587.26400	159.9	159.9	1.5	ANNUAL	ALL	1	House 70	RP_H70
648249.26	4075970	284810.04540	183.42	240	1.5	ANNUAL	ALL	1	House 8	RP_H8
648218.58	4076109	299299.01410	182.28	240	1.5	ANNUAL	ALL	1	House 9	RP_H9
649744	4079173	355961.03780	176.1	830	1.5	ANNUAL	ALL	1	Grid Receptor 51	G51
650144	4079173	256008.75140	173	830	1.5	ANNUAL	ALL	1	Grid Receptor 61	G61
650544	4079173	224481.16330	177	830	1.5	ANNUAL	ALL	1	Grid Receptor 71	G71
650944	4079173	182664.49500	181.3	830	1.5	ANNUAL	ALL	1	Grid Receptor 81	G81
651344	4079173	144353.72990	191	830	1.5	ANNUAL	ALL	1	Grid Receptor 91	G91

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

Concetration values multiplied by a factor of 10 to convert from 0.1 lb/hr-SF to 1 lb/hr-SF for dispersion factor use.

* AERMOD (19191): Appendix B Attachment - Future Peak Emissions for Closure Area

* AERMET (21112): 2020 10:44:48

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

644733.142 4078753 140852.9396 106.44 106.44 1.5 ANNUAL ALL 1 Las Brisas Park CR_PK_3 645608.808 4078854 208479.1419 112.86 112.86 1.5 ANNUAL ALL 1 Frank Klauer Memorial Park CR_PK_4 644238.054 4078807 120958.1370 95.25 95.25 1.5 ANNUAL ALL 1 Vetrans Memorial Park CR_PK_5 645311.476 4076559 99832.0843 134.61 134.61 1.5 ANNUAL ALL 1 Park 6 CR_PK_6 649581.689 4073424 250882.1405 159.96 318 1.5 ANNUAL ALL 1 Park 7 CR_PK_7 645145.11 4077181 107991.0190 133 133 1.5 ANNUAL ALL 1 Cerra Vista Elem School CR_SC_1 645850.678 4074015 79462.7193 123 313 1.5 ANNUAL ALL 1 San Andreas Continuation CR_SC_10 645850.678 4074015 79462.7193 123 313 1.5 ANNUAL ALL 1 SouthSide School CR_SC_11 642105.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL 1 School 12 CR_SC_12 646058.93 4078443 244138.6464 128.52 128.52 1.5 ANNUAL ALL 1 Rancho Santana School CR_SC_14 64366 4074106 193658.2526 159 240 1.5 ANNUAL ALL 1 Rancho Santana School CR_SC_14 64366 4074106 193658.2526 159 240 1.5 ANNUAL ALL 1 Tres Pinos Union Elementary School CR_SC_15 644109.6 4078389 104098.0310 98.2 98.2 1.5 ANNUAL ALL 1 Sunnyslope Elem School CR_SC_2 643920.12 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL 1 Sunnyslope Elem School CR_SC_3 641630.17 407915 63445.4558 88 88 8.5 ANNUAL ALL 1 Rancho Santana School CR_SC_4 643980.02 4079743 126536.4283 88 88 8.1 ANNUAL ALL 1 Rancho Santana School CR_SC_5 641630.17 4079153 63445.4558 85 85 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR_SC_5 641630.17 4079153 63445.4558 85 85 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR_SC_6 643350.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Bellister Prep School CR_SC_6 644002.96 4080079 137832.7647 87 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_8 644002.96 4080079 137832.7647 87 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_8 6442244.858 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 Sannual Hills Elementary School CR_SC_8 642244.858 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 Sannual Hills Elementary School CR_SC_8	I OKW	1/11. (A,1A	$,3(1\Lambda,113.3),3(1\Lambda,18.2)$	2 J, 2 M, MO, 2 M, I	10,4/1,10.0,4	Λ,Λο)					
64903.65 407719 84943.3905 105.68 105.68 1.5 ANUAL ALL 1 Haze Hawkins Memoral Hospital CR. HP. I 64216626.782 4079416 71822.885 88.12 85.12 1.5 ANUAL ALL 1 Vista Park Hill Park CR. PK. I 642179.995 407995 10141.3951 117.99 117.99 117.99 1.5 ANUAL ALL 1 Vista Park Hill Park CR. PK. 2 1642179.995 407995 10141.3951 117.99 117.99 117.99 117.90 117			AVERAGE CONC	ZELEV	ZHILL	ZFLAG			NUM YRSNET ID		
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Continuation Cont	643903.65	4077719	84934.3905	105.68	105.68	1.5	ANNUAL	ALL	1	Hazel Hawkins Memorial Hospital	CR_HP_1
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645608.808 4078854 208479.1419 112.86 112.86 112.86 1.5 ANNUAL ALL 1 Frank Klauer Memorial Park CR PK 5 64281.844 4078807 120958.1370 95.25 95.25 1.5 ANNUAL ALL 1 Veterans Memorial Park CR PK 5 644281.054 4078807 4076559 99832.0843 134.61 134.61 134.61 1.5 ANNUAL ALL 1 Park 6 CR PK 6 649581.689 4073424 250882.1405 159.96 318 1.5 ANNUAL ALL 1 Park 7 CR PK 6 649581.689 4073424 250882.1405 159.96 318 1.5 ANNUAL ALL 1 Cerra Visia Bens Chool CR SC 1 642094.712 4079955 88370.2117 86 86 1.5 ANNUAL ALL 1 San Andreas Continuation CR SC 1 642094.712 4079955 88370.2117 86 86 1.5 ANNUAL ALL 1 San Andreas Continuation CR SC 1 642105.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL 1 San Andreas Continuation CR SC 1 642105.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL 1 San Andreas Continuation CR SC 1 64205.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL 1 Rancho Santana School CR SC 1 640889.31 407843 244138.0464 128.52 128.52 1.5 ANNUAL ALL 1 Rancho Santana School CR SC 1 5044109.6 4074106 193658.2526 159 240 1.5 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 2 643920.12 4077304 7046.8125 101.23 101.23 1.5 ANNUAL ALL 1 Hollister Mentessori School CR SC 2 643920.12 4077304 7046.8125 101.23 101.23 1.5 ANNUAL ALL 1 Hollister Prep School CR SC 3 644109.6 4078178 4078839 104098.0310 98.2 98.2 1.5 ANNUAL ALL 1 Hollister Prep School CR SC 643950.01 4079743 126536.4238 88 88 1.5 ANNUAL ALL 1 Hollister Prep School CR SC 644002.6 4079743 4074015 99.02 4074015	642179.095	4079950	71041.3951	117.99	117.99	1.5	ANNUAL	ALL	1	Vista Park Hill Park	CR_PK_2
64-238.054 4078807 120958.1370 95.25 95.25 1.5 ANNUAL ALL 1 Veterans Memorial Park CR PK 5 645311.476 4076559 9983.20843 134.61 134.61 1.5 ANNUAL ALL 1 Park 6 CR PK 6 649581.689 4073424 250882.1405 159.96 318 1.5 ANNUAL ALL 1 Park 7 CR PK 7 645145.11 4077181 107991.0190 133 133 1.5 ANNUAL ALL 1 Cerra Vista Elem School CR SC 1 642094.712 4079955 88370.2117 86 86 1.5 ANNUAL ALL 1 San Andreas Continuation CR SC 10 645850.678 4074015 79462.7193 123 313 1.5 ANNUAL ALL 1 SouthSide School CR SC 10 645850.678 4074015 79462.7193 123 313 1.5 ANNUAL ALL 1 School 12 CR SC 12 646058.93 4078443 244138.6464 128.52 128.52 15.5 ANNUAL ALL 1 Rancho Santana School CR SC 11 647209 4075575 175528.1867 158 158 1.5 ANNUAL ALL 1 Rancho Santana School CR SC 14 648466 4074106 193658.256 159 240 1.5 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 14 649406 4074106 193658.256 159 240 1.5 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 2 643920.12 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL 1 Sumysleps Elem School CR SC 2 643920.12 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL 1 Sumysleps Elem School CR SC 4 64396.00 24079743 126536.4283 88 88 1.5 ANNUAL ALL 1 Rancho Santas Middle School CR SC 4 64396.00 24079743 126536.4283 88 88 1.5 ANNUAL ALL 1 Rancho Santas Middle School CR SC 5 64150.01 4078139 1326536.4283 88 88 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 6 643550.03 4079181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ballister Prep School CR SC 6 64350.03 4079181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ballister Prep School CR SC 6 64350.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 7 64002.96 4080079 137832.7647 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 9 642083.447 4079133 60540649 137832.7647 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 9 642083.447 4079793 126568.8901 138.45 259 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 647744 4079173 797835.7235 155.2 155.2 155.2 155.4 ANNUAL ALL 1 Grid Receptor 1 GI 647744 4079773 17783.2730 17784.27	644733.142	4078753	140852.9396	106.44	106.44	1.5	ANNUAL	ALL	1	Las Brisas Park	CR_PK_3
64531.476 4076559 99832.0843 134.61 134.61 13.5 ANNUAL ALL 1 Park 6 CR PK 6 649581.689 4073424 250882.1405 159.96 318 1.5 ANNUAL ALL 1 Park 7 645145.11 4077181 107991.0190 133 133 1.5 ANNUAL ALL 1 Cerra Vista Elem School CR SC 1 642904.712 4079955 88370.2117 86 86 1.5 ANNUAL ALL 1 San Andreas Continuation CR SC 10 64296.710 407015 79462.7193 123 313 1.5 ANNUAL ALL 1 SouthSide School CR SC 1 64206.77 407015 79462.7193 123 313 1.5 ANNUAL ALL 1 SouthSide School CR SC 1 64206.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL 1 School 12 CR SC 11 642105.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL 1 School 12 CR SC 12 647269 4075575 715528.1867 158 158 1.5 ANNUAL ALL 1 Rancho Santana School CR SC 13 648466 4074106 193658.2526 159 240 1.5 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 13 648406 4074106 193658.2526 159 240 1.5 ANNUAL ALL 1 School 12 CR SC 15 643920.12 4077304 76146.8125 101.23 101.23 10.5 ANNUAL ALL 1 Sumyslope Elem School CR SC 2 643920.12 4077304 76146.8125 101.23 101.23 10.5 ANNUAL ALL 1 Bullister Montessori School CR SC 3 642961.07 4078621 76552.6317 92 29 2.1.5 ANNUAL ALL 1 Bullister Montessori School CR SC 4 643980.02 4079743 126536.4283 88 88 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 6 643350.03 4077818 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 6 6442044.884 4079173 17882.7467 87 87 1.5 ANNUAL ALL 1 Bullister Prep School CR SC 7 644002.96 4080079 137832.7647 87 87 1.5 ANNUAL ALL 1 Bald Lane Elementary School CR SC 9 642043.854 407813 6669.4117 90.17 90.17 90.17 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 9 642044.884 4079733 1074638.5801 189.4 259 1.5 ANNUAL ALL 1 Search Middle School CR SC 9 642044.885 407813 6669.4117 90.17 90.17 90.17 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075773 1155066.1265 252.9 252.9 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 1074638.5801 159.6 1	645608.808	4078854	208479.1419	112.86	112.86	1.5	ANNUAL	ALL	1	Frank Klauer Memorial Park	CR_PK_4
649581.689 4073424 250882.1405 159.96 318 1.5 ANNUAL ALL 1 Park 7 CR PK 7 (64)11.1 4077181 107991.0190 133 133 1.5 ANNUAL ALL 1 San Andreas Continuation CR SC 10 (64)204.712 4079955 88370.2117 86 86 1.5 ANNUAL ALL 1 San Andreas Continuation CR SC 10 (64)204.712 4079955 88370.2117 86 86 1.5 ANNUAL ALL 1 San Andreas Continuation CR SC 10 (64)205.679 4074015 79462.7193 123 313 1.5 ANNUAL ALL 1 ScuthSide School CR SC 11 (64)205.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL 1 School 12 CR SC 12 (64)205.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL 1 School 12 CR SC 13 (64)205.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL 1 Rancho Santana School CR SC 13 (64)205.71 4075575 175528.1867 158 158 158 158 ANNUAL ALL 1 Tree Pinos Union Elementary School CR SC 13 (64)206.40 (40)205.80 10 (40)20.80 10 (40)2	644238.054	4078807	120958.1370	95.25	95.25	1.5	ANNUAL	ALL	1	Veterans Memorial Park	CR_PK_5
645145.11 4077181 107991.0190 133 133 13 13 15 ANNUAL ALL 1 San Andreas Continuation CR SC 1	645311.476	4076559	99832.0843	134.61	134.61	1.5	ANNUAL	ALL	1	Park 6	CR_PK_6
642904.712 4079955 88370.2117 86 86 1.5 ANNUAL ALL 1 San Andreas Continuation CR SC 10 645850.678 4074015 79462.7193 123 313 1.5 ANNUAL ALL 1 SouthSide School CR SC 11 642105.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL 1 School 12 CR SC 12 646058.93 4078443 244138.6464 128.52 128.52 1.5 ANNUAL ALL 1 Rancho Santana School CR SC 13 647269 4075575 175528.1867 158 158 1.5 ANNUAL ALL 1 Future School CR SC 13 648466 4074106 193658.2526 159 240 1.5 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 15 644109.6 4078389 104098.0310 98.2 98.2 1.5 ANNUAL ALL 1 Sumysiope Elem School CR SC 26 643920.12 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL 1 Hollister Montesorie School CR SC 3 64296.10 4078621 76552.6317 92 92 1.5 ANNUAL ALL 1 Ballister Montesorie School CR SC 3 64398.002 4079743 126536.4283 88 88 81.5 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 5 643300.3 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 64350.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Hollister Prep School CR SC 64300.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ballister Montesorie School CR SC 64300.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ballister Montesorie School CR SC 644002.96 4080079 137832.7647 87 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 64204.838 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 64204.8344 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 1 647744 4079794 68460.0091 87.58 155.2 L.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 1 647744 4079773 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 Gi1 64744 4075773 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 Gi1 64744 4075773 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 Gi1 648144 4077973 1210160.1395 153. 181 1.5 ANNUAL ALL 1 Grid Receptor 11 Gi1 648144 4077973 1210160.1395 153. 181 1.5 ANNUAL ALL 1 Grid Receptor 13 Gi3 64814 4077973 1210160.1395 153. 181 1.5 ANNUAL ALL 1 Grid Receptor 14 Gi	649581.689	4073424	250882.1405	159.96	318	1.5	ANNUAL	ALL	1	Park 7	CR PK 7
648380,078 d79415 79462,7193 123 313 1.5 ANNUAL ALL I SouthSide School CR SC 11 (642105.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL I Rancho Santana School CR SC 12 (646058.93 4078443 244138.6464 128.52 128.52 1.5 ANNUAL ALL I Rancho Santana School CR SC 13 (647269 4075575 175528.1867 158 158 1.5 ANNUAL ALL I Freynos Union Elementary School CR SC 14 (64866 4074106 193658.2526 159 240 1.5 ANNUAL ALL I Tres Pinos Union Elementary School CR SC 14 (64866 4074106 193658.2526 159 240 1.5 ANNUAL ALL I Sunnyslope Elem School CR SC 2 (643920.12 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL I Bullister Montessori School CR SC 2 (643920.12 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL I Rancho San Justo Middle School CR SC 3 (642961.07 4078621 76552.6317 92 92 1.5 ANNUAL ALL I Rancho San Justo Middle School CR SC 4 (64398.0.02 4079743 126536.4283 88 88 88 1.5 ANNUAL ALL I Rancho San Justo Middle School CR SC 6 (64150.01 4079153 643445.4558 85 85 1.5 ANNUAL ALL I Hollister Prep Schoo CR SC 6 (64150.01 4079153 643445.4558 85 85 1.5 ANNUAL ALL I Rancho San Justo Middle School CR SC 6 (64244.858 407814) 5660-4117 90.17 90.17 90.17 90.17 1.5 ANNUAL ALL I Gabilan Hills Elementary School CR SC 7 (64400.296 4080079 137832.7647 87 87 87 1.5 ANNUAL ALL I Gabilan Hills Elementary School CR SC 8 (64244.858 4078413 5660-4117 90.17 90.17 90.17 1.5 ANNUAL ALL I Gabilan Hills Elementary School CR SC 8 (648494 4077873 171802.3314 146.33 153 1.5 ANNUAL ALL I Grid Receptor I GI 64744 4079173 797835.7235 155.2 155.2 1.5 ANNUAL ALL I Grid Receptor I GI 64744 4079173 797835.7235 155.2 155.2 1.5 ANNUAL ALL I Grid Receptor I GI 64744 4079173 885660.2361 165.9 165.9 1.5 ANNUAL ALL I Grid Receptor I GI 64844 4077873 121016.1395 158.3 181 1.5 ANNUAL ALL I Grid Receptor I GI 64844 4077873 1210106.1395 158.3 181 1.5 ANNUAL ALL I Grid Receptor I GI 64844 4077873 1210106.1395 158.3 181 1.5 ANNUAL ALL I Grid Receptor I GI 648144 4077873 1210106.1395 158.3 181 1.5 ANNUAL ALL I Grid Receptor I GI 64844 4077873 1210106.1395 158.3 181 1.5 ANNUAL ALL I G	645145.11	4077181	107991.0190	133	133	1.5	ANNUAL	ALL	1	Cerra Vista Elem School	CR SC 1
648856/78 d074015 79462.7193 123 313 1.5 ANNUAL ALL 1 Senbol CR SC 11 (242105.679 4078176 54456.7807 91 91 1.5 ANNUAL ALL 1 Rancho Santana School CR SC 12 (264058.93 4078443 244138.6464 128.52 128.52 1.5 ANNUAL ALL 1 Rancho Santana School CR SC 13 (2647269 4075575 175528.1867 158 158 1.5 ANNUAL ALL 1 Future School CR SC 14 (264866 4074106 193658.2526 159 240 1.5 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 15 (264302.012 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL 1 Bullister Montessori School CR SC 2 (264302.012 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 3 (264302.012 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 4 (264301.07 4078621 76552.6317 92 92 1.5 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 3 (264300.01 4079153 63445.4558 85 85 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 6 (264300.01 4079153 63445.4558 85 85 1.5 ANNUAL ALL 1 Hollister Prep Schoo CR SC 6 (26400.09 64080079 137832.7647 87 87 87 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 6 (26404.8484 4078413 56669.4117 90.17 90.17 90.17 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 8 (26408.447 4079994 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Morphise CR SC 8 (26408.447 4079978 2626229.0331 189.45 259 1.5 ANNUAL ALL 1 Morphise CR SC 8 (26404.44 4079173 797835.7235 155.2 155.2 1.5 ANNUAL ALL 1 Morphise CR SC 8 (26404.44 4079173 885660.2361 165.9 165.9 1.5 ANNUAL ALL 1 Grid Receptor 1 G1 (26404.44 4079173 1806.60237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 1 G1 (26404.44 4079173 1806.60237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 1 G1 (26404.44 4079773 121016.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 1 G1 (26404.44 4077973 121016.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 1 G1 (26404.44 4077973 121016.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 1 G1 (26404.44 4077973 121016.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 1 G1 (26404.44 4077973 121016.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 1 G1 (26404.44 4077973 121016.1395	642904.712	4079955	88370.2117	86	86	1.5	ANNUAL	ALL	1	San Andreas Continuation	CR SC 10
646058.93 4078443 244128.6464 128.52 128.52 1.5 ANNUAL ALL 1 Rancho Santana School CR SC 13 Schod 647269 4075575 175528.1867 158 158 1.5 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 15 644109.6 40784389 104098.0310 98.2 98.2 1.5 ANNUAL ALL 1 Sunnyslope Elem School CR SC 2 643920.12 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL 1 Rancho Santana School CR SC 2 643920.12 4077943 126536.4283 88 88 1.5 ANNUAL ALL 1 Rancho Santana School CR SC 4 643980.02 4079743 126536.4283 88 88 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 6 643530.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 6 643530.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ballister Prep Schoo CR SC 6 643350.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Bald Lane Elementary School CR SC 7 644002.96 4080079 137832.7647 87 87 1.5 ANNUAL ALL 1 Gabian Hills Elementary School CR SC 9 642244.888 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 San Benito High School CR SC 9 642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 San Benito High School CR SC 9 642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 San Benito High School CR SC 9 642984 4077938 2626229.0331 189.45 259 1.5 ANNUAL ALL 1 Workplace CR WP 1 1 646402 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Workplace CR WP 1 648949 4077938 2626229.0331 189.45 259 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 647744 4075573 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 GI 64844 4077573 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 GI 64844 4077573 115506.1265 252.9 252.9 1.5 ANNUAL ALL 1 Grid Receptor 10 GI 64844 4077973 120106.1395 1158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 64844 4077973 120106.1395 1158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 64844 4077973 120106.1395 1158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 64844 4077973 120106.1395 1158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 64844 4077973 120107.0395 1158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 64844 4077973 120107.0395 1158.3 181 1.5 ANNUAL ALL 1 Grid	645850.678	4074015	79462.7193	123	313	1.5	ANNUAL	ALL	1	SouthSide School	CR SC 11
647269 4075575 175528.1867 158 158 1.5 ANNUAL ALL 1 Future School CR SC 14 648466 4074106 193658.2526 159 240 1.5 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 15 644109.6 4078389 104098.0310 98.2 98.2 1.5 ANNUAL ALL 1 Sunnyslope Eleme School CR SC 2 643920.12 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL 1 Hollister Montessori School CR SC 3 642961.07 4078621 76552.6317 92 92 1.5 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 4 64398.00 4079743 126536.4283 88 88 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 5 641630.17 4079153 63445.4558 85 85 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 6 64350.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Hollister Prep Schoo CR SC 6 64350.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 7 64202.04 4080079 137832.7647 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 8 642244.858 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 9 64208.47 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 San Benito High School CR SC 9 646402 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Workplace CR WP 1 646402 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Nearest Workplace CR WP 1 64744 4079173 797835.7235 155.2 155.2 15.5 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075573 213455.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075573 213455.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078773 885660.2361 165.9 165.9 1.5 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 120106.1395 188.3 181 1.5 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4077973 1210106.1395 188.3 181 1.5 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4077973 31210106.1395 188.3 181 1.5 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077973 31210106.1395 188.3 181 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 31210106.1395 188.3 181 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 31210106.1395 188.3 181 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 31210793 175.4 175.4 1.5 ANNUAL ALL	642105.679	4078176	54456.7807	91	91	1.5	ANNUAL	ALL	1	School 12	CR SC 12
648466 4074106 193658.2526 159 240 1.5 ANNUAL ALL 1 Tres Pinos Union Elementary School CR_SC_15 644109.6 4078389 104098.0310 98.2 98.2 1.5 ANNUAL ALL 1 Sumnyslope Elem School CR_SC_2 643920.12 4077304 76146.8125 101.23 101.23 10.5 ANNUAL ALL 1 Hollister Montesori School CR_SC_3 642961.07 4078621 76552.6317 92 92 1.5 ANNUAL ALL 1 Rancho San Justo Middle School CR_SC_4 64398.00.2 4079743 126536.4283 88 88 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR_SC_5 64303.01.2 4079153 63445.4558 85 85 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR_SC_5 643350.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR_SC_6 643550.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR_SC_6 643248.858 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_8 642248.858 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SR_1 646402 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Workplace CR_WP_1 648949 4079798 2626229.0331 189.45 259 1.5 ANNUAL ALL 1 Workplace CR_WP_2 643744 4079773 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 64344 4079773 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078773 1074638.8501 159.6 159.6 15.5 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078773 1074638.8501 159.6 159.6 15.5 ANNUAL ALL 1 Grid Receptor 13 G12 648144 4077573 398983.8066 166.6 179 1.5 ANNUAL ALL 1 Grid Receptor 14 G14 64814 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Gr	646058.93	4078443	244138.6464	128.52	128.52	1.5	ANNUAL	ALL	1	Rancho Santana School	CR SC 13 Scl
648466 4074106 193658.2526 159 240 1.5 ANNUAL ALL 1 Tres Pinos Union Elementary School CR_SC_15 644109.6 4078389 104098.0310 98.2 98.2 1.5 ANNUAL ALL 1 Sumnyslope Elem School CR_SC_2 643920.12 4077304 76146.8125 101.23 101.23 10.5 ANNUAL ALL 1 Hollister Montesori School CR_SC_3 642961.07 4078621 76552.6317 92 92 1.5 ANNUAL ALL 1 Rancho San Justo Middle School CR_SC_4 64398.00.2 4079743 126536.4283 88 88 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR_SC_5 64303.01.2 4079153 63445.4558 85 85 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR_SC_5 643350.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR_SC_6 643550.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR_SC_6 643248.858 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_8 642248.858 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SR_1 646402 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Workplace CR_WP_1 648949 4079798 2626229.0331 189.45 259 1.5 ANNUAL ALL 1 Workplace CR_WP_2 643744 4079773 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 64344 4079773 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078773 1074638.8501 159.6 159.6 15.5 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078773 1074638.8501 159.6 159.6 15.5 ANNUAL ALL 1 Grid Receptor 13 G12 648144 4077573 398983.8066 166.6 179 1.5 ANNUAL ALL 1 Grid Receptor 14 G14 64814 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4077773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Gr	647269	4075575	175528.1867	158	158	1.5	ANNUAL	ALL	1	Future School	CR SC 14 Scl
643920.12 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL 1 Hollister Montessori School CR SC 3 642961.07 4078621 76552.6317 92 92 1.5 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 4 64398.02 4079743 126536.4283 88 88 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 5 641633.01 407181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 6 643330.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 7 64202.64 64204.8343 56669.4117 90.17 90.17 15.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 8 642244.858 4078413 56669.4117 90.17 90.17 1.5 </td <td>648466</td> <td>4074106</td> <td>193658.2526</td> <td>159</td> <td>240</td> <td>1.5</td> <td>ANNUAL</td> <td>ALL</td> <td>1</td> <td>Tres Pinos Union Elementary School</td> <td>CR SC 15</td>	648466	4074106	193658.2526	159	240	1.5	ANNUAL	ALL	1	Tres Pinos Union Elementary School	CR SC 15
643920.12 4077304 76146.8125 101.23 101.23 1.5 ANNUAL ALL 1 Hollister Montessori School CR_SC_3 642961.07 4078621 76552.6317 92 92 1.5 ANNUAL ALL 1 Rancho San Justo Middle School CR_SC_6 463980.02 4079743 126536.4283 88 88 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR_SC_6 641630.17 4079153 63445.4558 85 85 1.5 ANNUAL ALL 1 Hollister Prep School CR_SC_6 643530.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR_SC_7 644002.96 4080079 137832.7647 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_7 644002.96 4080079 137832.7647 87 87 1.5 ANNUAL ALL 1 San Benito High School CR_SC_8 64224.858 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 San Benito High School CR_SC_8 642023.437 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SC_8 1 648949 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Workplace CR_WP_1 648949 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Nearest Workplace CR_WP_2 647744 4079173 797835.7235 155.2 155.2 1.5 ANNUAL ALL 1 Nearest Workplace CR_WP_2 647744 4079573 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075573 1155066.1265 25.29 252.9 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 668144 4078773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 10 G11 6648144 4078773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 10 G11 648144 4078773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 13 G13 64814 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 40779		4078389	104098.0310	98.2	98.2				1		
643980.02 4079743 126536.4283 88 88 1.5 ANNUAL ALL 1 Marguerite Maze Middle School CR_SC_5 64163.0.17 4079153 63445.4558 85 85 85 1.5 ANNUAL ALL 1 Hollister Prep School CR_SC_6 644002.96 4080079 137832.7647 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_7 64204.4858 4078413 56669.4117 90.17 9.1 1.5 ANNUAL ALL 1 San Benito High School CR_SC_9 642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SC_9 642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Workplace CR_WP_1 648949 4077938 2626229.0331 189.45 259 1.5 ANNUAL ALL 1 Nearest Workplace CR_WP_1 <td>643920.12</td> <td>4077304</td> <td>76146.8125</td> <td>101.23</td> <td>101.23</td> <td>1.5</td> <td>ANNUAL</td> <td>ALL</td> <td>1</td> <td>Hollister Montessori School</td> <td>CR SC 3</td>	643920.12	4077304	76146.8125	101.23	101.23	1.5	ANNUAL	ALL	1	Hollister Montessori School	CR SC 3
641630.17 4079153 63445.4558 85 85 1.5 ANNUAL ALL 1 Hollister Prep Schoo CR_SC_6 643350.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR_SC_7 644002.96 4080079 137832.7647 87 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_8 642244.858 4078413 5669.4117 90.17 90.17 1.5 ANNUAL ALL 1 San Benito High School CR_SC_8 642244.858 4078413 5669.4117 90.17 90.17 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SC_8 642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SC_8 1 646402 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Workplace CR_WP_1 648949 4077938 2626229.0331 189.45 259 1.5 ANNUAL ALL 1 Nearest Workplace CR_WP_2 647744 4079173 797835.7235 155.2 155.2 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 647744 4075573 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 GI0 651344 4075573 115506.1265 252.9 252.9 1.5 ANNUAL ALL 1 Grid Receptor 10 GI0 648144 4078773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 12 GI2 648144 4078773 1207648.9045 146.2 146.2 1.5 ANNUAL ALL 1 Grid Receptor 14 GI4 648144 4078773 1207648.9045 146.2 146.2 1.5 ANNUAL ALL 1 Grid Receptor 15 GI5 648144 4077973 298983.8066 166.6 179 1.5 ANNUAL ALL 1 Grid Receptor 15 GI5 648144 4077973 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 15 GI5 648144 4077673 54274.7956 177.1 240 1.5 ANNUAL ALL 1 Grid Receptor 17 GI7 648144 4076373 438642.7891 178 240 1.5 ANNUAL ALL 1 Grid Receptor 17 GI7 648144 4076373 438642.7891 178 240 1.5 ANNUAL ALL 1 Grid Receptor 17 GI7 648144 4076373 438642.7891 178 240 1.5 ANNUAL ALL 1 Grid Receptor 17 GI7 648144 4076373 54274.7956 177.1 240 1.5 ANNUAL ALL 1 Grid Receptor 17 GI7 648144 4076373 54274.7956 177.1 240 1.5 ANNUAL ALL 1 Grid Receptor 17 GI7 648144 4076373 54274.7956 177.1 240 1.5 ANNUAL ALL 1 Grid Receptor 18 GI8 648144 4076373 54287.956 177.1 240 1.5 ANNUAL ALL 1 Grid Receptor 19 GI9									1		
641630.17 4079153 63445.4558 85 85 1.5 ANNUAL ALL 1 Hollister Prep Schoo CR_SC_6 643350.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR_SC_7 644002.96 4080079 137832.7647 87 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_8 642244.858 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 San Benito High School CR_SC_8 9 642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SR_1 646402 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Workplace CR_WP_1 648949 4077938 2626229.0331 189.45 259 1.5 ANNUAL ALL 1 Nearest Workplace CR_WP_2 647744 4079573 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 651344 4075573 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 GI0 651344 4079173 885660.2361 165.9 165.9 1.5 ANNUAL ALL 1 Grid Receptor 11 GI 648144 4078773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 12 GI2 648144 4078773 1207648.9045 146.2 146.2 1.5 ANNUAL ALL 1 Grid Receptor 13 GI3 648144 4079793 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 14 GI4 648144 4078773 1207648.9045 146.2 146.2 1.5 ANNUAL ALL 1 Grid Receptor 15 GI5 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 14 GI4 648144 4078773 1207648.9045 146.2 146.2 1.5 ANNUAL ALL 1 Grid Receptor 15 GI5 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 14 GI4 648144 4078773 1207648.9045 146.2 146.2 1.5 ANNUAL ALL 1 Grid Receptor 15 GI5 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 15 GI5 648144 4077713 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 16 GI6 648144 4076773 54274.7956 177.1 240 1.5 ANNUAL ALL 1 Grid Receptor 17 GI7 648144 4076773 54274.7956 177.1 240 1.5 ANNUAL ALL 1 Grid Receptor 17 GI7 648144 4076773 54274.7956 177.1 240 1.5 ANNUAL ALL 1 Grid Receptor 18 GI8 648144 4076373 359888.2893 173 240 1.5 ANNUAL ALL 1 Grid Receptor 19 GI9	643980.02	4079743	126536.4283	88	88	1.5	ANNUAL	ALL	1	Marguerite Maze Middle School	CR SC 5
643350.03 4077181 60510.6093 98.22 98.22 1.5 ANNUAL ALL 1 Ladd Lane Elementary School CR_SC_7 644002.96 4080079 137832.7647 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_8 642244.858 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 San Benito High School CR_SC_9 642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SC_9 642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SC_9 1 646402 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Nearest Workplace CR_WP_1 MIE 647744 4079173 797835.7235 155.2 155.2 1.5 ANNUAL ALL 1 Grid Receptor	641630.17	4079153	63445.4558	85	85	1.5	ANNUAL	ALL	1		CR SC 6
644002.96 4080079 137832.7647 87 87 1.5 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_8 642244.858 4078413 56669.4117 90.17 1.5 ANNUAL ALL 1 San Benito High School CR_SC_9 642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SC_9 642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano CR_WP_1 648949 4077938 262629.0331 189.45 259 1.5 ANNUAL ALL 1 Nearest Workplace CR_WP_1 647744 4079173 797835.7235 155.2 155.2 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 647744 4075573 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 GI0 648144 40	643350.03	4077181	60510.6093	98.22	98.22	1.5	ANNUAL	ALL	1	Ladd Lane Elementary School	
642244.858 4078413 56669.4117 90.17 90.17 1.5 ANNUAL ALL 1 San Benito High School CR_SC_9 642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SR_1 646402 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Workplace CR_WP_1 648949 4077938 2626229.0331 189.45 259 1.5 ANNUAL ALL 1 Nearest Workplace CR_WP_2 MIE 647744 4079173 797835.7235 155.2 155.2 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 647744 4075573 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 1 GIO 651344 4075573 1155066.1265 252.9 252.9 1.5 ANNUAL ALL 1 Grid Receptor 1 GIO 648144 </td <td></td> <td></td> <td></td> <td>87</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td>				87					1		
642083.447 4079794 68460.0091 87.58 127 1.5 ANNUAL ALL 1 Jovenes De Antano CR_SR_1 646402 4076879 171802.3314 146.33 153 1.5 ANNUAL ALL 1 Workplace CR_WP_1 648949 4077938 2626229.0331 189.45 259 1.5 ANNUAL ALL 1 Nearest Workplace CR_WP_2 MIE 647744 4079173 797835.7235 155.2 155.2 1.5 ANNUAL ALL 1 Grid Receptor 1 GI 647744 4079173 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075573 1155066.1265 252.9 252.9 252.9 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 12 G12	642244.858			90.17	90.17				1		
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648949 4077938 2626229.0331 189.45 259 1.5 ANNUAL ALL 1 Nearest Workplace CR WP 2 MIE 647744 4079173 797835.7235 155.2 155.2 1.5 ANNUAL ALL 1 Grid Receptor 1 G1 647744 4075573 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075573 115506.1265 252.9 252.9 1.5 ANNUAL ALL 1 Grid Receptor 100 G100 648144 4079173 885660.2361 165.9 1.5 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 1076488.5801 159.6 1.5 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078773 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 1210106.1395					153		ANNUAL		1	Workplace	
647744 4079173 797835.7235 155.2 155.2 1.5 ANNUAL ALL 1 Grid Receptor 1 G1 647744 4075573 231456.6237 160 160 1.5 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075573 1155066.1265 252.9 252.9 1.5 ANNUAL ALL 1 Grid Receptor 100 G100 648144 4079173 885660.2361 165.9 165.9 1.5 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078773 1207648.9045 146.2 146.2 1.5 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077773				189.45					1		
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651344 4075573 1155066.1265 252.9 252.9 1.5 ANNUAL ALL 1 Grid Receptor 100 G100 648144 4079173 885660.2361 165.9 165.9 1.5 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 1207648.9045 146.2 146.2 1.5 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077573 989983.8066 166.6 179 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4076773 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773		4075573	231456.6237	160	160	1.5	ANNUAL	ALL	1		G10
648144 4079173 885660.2361 165.9 165.9 1.5 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 1207648.9045 146.2 146.2 1.5 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 989983.8066 166.6 179 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 542724.7956 177.1 240 1.5 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973			1155066.1265						1		
648144 4078773 1074638.5801 159.6 159.6 1.5 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 1207648.9045 146.2 146.2 1.5 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 1210106.1395 158.3 181 1.5 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 989983.8066 166.6 179 1.5 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 731732.7930 175.4 175.4 1.5 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 542724.7956 177.1 240 1.5 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 438642.7891 178 240 1.5 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973									1		
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* AERMET (21112): 2020

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

* X		AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRSNET ID	Description	ID
648144	4075573	292230.9697	168.8	190	1.5	ANNUAL	ALL	1	Grid Receptor 20	G20
648544	4079173	867146.7227	173.5	191	1.5	ANNUAL	ALL	1	Grid Receptor 21	G21
648544	4078773	1194786.5239	166.2	166.2	1.5	ANNUAL	ALL	1	Grid Receptor 22	G22
648544	4078373	1534489.3036	145.4	253	1.5	ANNUAL	ALL	1	Grid Receptor 23	G23
648544	4077973	1891677.0318	173.9	214	1.5	ANNUAL	ALL	1	Grid Receptor 24	G24
648544	4077573	1885967.6172	179.6	227	1.5	ANNUAL	ALL	1	Grid Receptor 25	G25
648544	4077173	1373485.3177	191	226	1.5	ANNUAL	ALL	1	Grid Receptor 26	G26
648544	4076773	1073169.7477	209.2	240	1.5	ANNUAL	ALL	1	Grid Receptor 27	G27
648544	4076373	756258.1174	233.7	240	1.5	ANNUAL	ALL	1	Grid Receptor 28	G28
648544	4075973	547774.8463	199.9	240	1.5	ANNUAL	ALL	1	Grid Receptor 29	G29
647744	4078373	867917.3131	144.4	144.4	1.5	ANNUAL	ALL	1	Grid Receptor 3	G3
648544	4075573	426174.4533	195.5	227	1.5	ANNUAL	ALL	1	Grid Receptor 30	G30
648944	4079173	838317.7275	190.4	194	1.5	ANNUAL	ALL	1	Grid Receptor 31	G31
648944	4078773	1133214.4968	165.4	165.4	1.5	ANNUAL	ALL	1	Grid Receptor 32	G32
648944	4078373	1718009.9124	159.6	259	1.5	ANNUAL	ALL	1	Grid Receptor 33	G33
648944	4077973	2500480.7800	183.5	259	1.5	ANNUAL	ALL	1	Grid Receptor 34	G34
648944	4077573	4786842.2665	224	226	1.5	ANNUAL	ALL	1	Grid Receptor 35	G35
648944	4076373	1259261.6551	205	240	1.5	ANNUAL	ALL	1	Grid Receptor 38	G38
648944	4075973	901896.3436	208.8	220	1.5	ANNUAL	ALL	1	Grid Receptor 39	G39
647744	4077973	749202.8876	134.6	181	1.5	ANNUAL	ALL	1	Grid Receptor 4	G4
648944	4075573	544671.4729	185.6	300	1.5	ANNUAL	ALL	1	Grid Receptor 40	G40
649344	4079173	631478.9883	187.4	801	1.5	ANNUAL	ALL	1	Grid Receptor 41	G41
649344	4078773	927346.5638	160.9	813	1.5	ANNUAL	ALL	1	Grid Receptor 42	G42
649344	4078373	1787791.6545	200.5	221	1.5	ANNUAL	ALL	1	Grid Receptor 43	G43
649344	4077973	3498029.4545	229	253	1.5	ANNUAL	ALL	1	Grid Receptor 44	G44
649344	4077573	1863870.0578	253.3	259	1.5	ANNUAL	ALL	1	Grid Receptor 45	G45
649344	4076373	4029758.3326	220.2	263	1.5	ANNUAL	ALL	1	Grid Receptor 48	G48
649344	4075973	1684595.7772	227.2	227.2	1.5	ANNUAL	ALL	1	Grid Receptor 49	G49
647744	4077573	613951.0496	163.8	171	1.5	ANNUAL	ALL	1	Grid Receptor 5	G5
649344	4075573	956035.3087	205.5	300	1.5	ANNUAL	ALL	1	Grid Receptor 50	G50
649744	4078773	726316.4829	195	813	1.5	ANNUAL	ALL	1	Grid Receptor 52	G52
649744	4078373	1228574.7893	196.1	227	1.5	ANNUAL	ALL	1	Grid Receptor 53	G53
649744	4077973	3188020.5715	215.3	251	1.5	ANNUAL	ALL	1	Grid Receptor 54	G54
649744	4077573	8446453.2252	221.6	259	1.5	ANNUAL	ALL	1	Grid Receptor 55	G55
649744	4076373	8815825.6563	211.7	266	1.5	ANNUAL	ALL	1	Grid Receptor 58	G58
649744	4075973	2339803.4505	237.7	257	1.5	ANNUAL	ALL	1	Grid Receptor 59	G59
647744	4077173	474829.4768	158.4	171	1.5	ANNUAL	ALL	1	Grid Receptor 6	G6
649744	4075573	1484831.5789	204.2	300	1.5	ANNUAL	ALL	1	Grid Receptor 60	G60
650144	4078773	430571.0601	171	830	1.5	ANNUAL	ALL	1	Grid Receptor 62	G62
650144	4078373	789266.8632	204.6	813	1.5	ANNUAL	ALL	1	Grid Receptor 63	G63

08/28/21

* AERMET (21112): 2020

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRSNET ID	Description	ID
650144	4077973	1771078.2300	216.5	290	1.5	ANNUAL	ALL	1	Grid Receptor 64	G64
650144	4077573	1463551.8044	257.7	257.7	1.5	ANNUAL	ALL	1	Grid Receptor 65	G65
650144	4076373	6209847.3298	231.4	272	1.5	ANNUAL	ALL	1	Grid Receptor 68	G68
650144	4075973	2009485.6744	249.4	266	1.5	ANNUAL	ALL	1	Grid Receptor 69	G69
647744	4076773	360329.5731	164.7	164.7	1.5	ANNUAL	ALL	1	Grid Receptor 7	G7
650144	4075573	2122515.8648	216.4	300	1.5	ANNUAL	ALL	1	Grid Receptor 70	G70
650544	4078773	299477.8344	180.9	830	1.5	ANNUAL	ALL	1	Grid Receptor 72	G72
650544	4078373	463653.5809	196.6	830	1.5	ANNUAL	ALL	1	Grid Receptor 73	G73
650544	4077973	649694.8126	236.9	801	1.5	ANNUAL	ALL	1	Grid Receptor 74	G74
650544	4077573	330020.2866	261.3	287	1.5	ANNUAL	ALL	1	Grid Receptor 75	G75
650544	4076373	2108203.2815	260.9	260.9	1.5	ANNUAL	ALL	1	Grid Receptor 78	G78
650544	4075973	3420331.6725	226.7	287	1.5	ANNUAL	ALL	1	Grid Receptor 79	G79
647744	4076373	314458.8037	164	164	1.5	ANNUAL	ALL	1	Grid Receptor 8	G8
650544	4075573	892740.0620	268.2	287	1.5	ANNUAL	ALL	1	Grid Receptor 80	G80
650944	4078773	228023.5633	178.4	830	1.5	ANNUAL	ALL	1	Grid Receptor 82	G82
650944	4078373	379274.8574	214.8	830	1.5	ANNUAL	ALL	1	Grid Receptor 83	G83
650944	4077973	206548.7494	249.9	813	1.5	ANNUAL	ALL	1	Grid Receptor 84	G84
650944	4077573	172554.0045	276.5	296	1.5	ANNUAL	ALL	1	Grid Receptor 85	G85
650944	4077173	2669771.5676	225.6	296	1.5	ANNUAL		1	Grid Receptor 86	G86
650944	4076773	4997213.4039	219.8	267	1.5	ANNUAL	ALL	1	Grid Receptor 87	G87
650944	4076373	3801649.8837	209.2	273	1.5	ANNUAL	ALL	1	Grid Receptor 88	G88
650944	4075973	2840239.2734	216.6	287	1.5	ANNUAL		1	Grid Receptor 89	G89
647744	4075973	278870.0030	160.7	160.7	1.5	ANNUAL	ALL	1	Grid Receptor 9	G9
650944	4075573	1667380.1515	243.2	289	1.5	ANNUAL	ALL	1	Grid Receptor 90	G90
651344	4078773	191044.6189	181	830	1.5	ANNUAL	ALL	1	Grid Receptor 92	G92
651344	4078373	258048.3389	214.3	830	1.5	ANNUAL	ALL	1	Grid Receptor 93	G93
651344	4077973	192259.1121	248.4	826	1.5	ANNUAL		1	Grid Receptor 94	G94
651344	4077573	651827.5517	213.2	826	1.5	ANNUAL	ALL	1	Grid Receptor 95	G95
651344	4077173	1373515.9874	213.6	813	1.5	ANNUAL		1	Grid Receptor 96	G96
651344	4076773	1873447.4344	203.5	813	1.5	ANNUAL	ALL	1	Grid Receptor 97	G97
651344	4076373	2125002.5160	205.6	220	1.5	ANNUAL	ALL	1	Grid Receptor 98	G98
651344	4075973	1966345.1879	205.8	269	1.5	ANNUAL		1	Grid Receptor 99	G99
648584.24	4077523	1989966.6529	183.61	227	1.5	ANNUAL	ALL	1	Boundary Perimeter 1	P1
649484.05	4077537	1924587.7889	254.01	257	1.5	ANNUAL		1	Boundary Perimeter 10	P10
649584.03	4077539	5107330.4330	235.3	259	1.5	ANNUAL		1	Boundary Perimeter 11	P11
649684.02	4077540	8697826.6348	221.29	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 12	P12
649784	4077541	9552582.2238	222.37	260	1.5	ANNUAL		1	Boundary Perimeter 13	P13
649883.99	4077542	6343733.7548	233.6	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 14	P14
649983.97	4077543	2649764.2831	249.54	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 15	P15
650083.94	4077546	1743951.5638	258.89	258.89	1.5	ANNUAL	ALL	1	Boundary Perimeter 16	P16

* AERMOD (19191): Appendix B Attachment - Future Peak Emissions for Closure Area

10:44:48

* AERMET (21112): 2020

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 284 RECEPTORS.
- FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

FOR	VIA I. (A,IA	.,3(1A,113.3),3(1A,16.2	2),2A,A0,2A,P		л,но)					
* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRSNET ID	Description	ID
650183.91	4077548	1425525.7643	259.56	259.56	1.5	ANNUAL	ALL	1	Boundary Perimeter 17	P17
650283.87	4077550	972989.4454	256.77	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 18	P18
650383.84	4077552	1364128.1339	242.37	290	1.5	ANNUAL	ALL	1	Boundary Perimeter 19	P19
648684.22	4077525	2520186.5095	197.16	227	1.5	ANNUAL	ALL	1	Boundary Perimeter 2	P2
650483.81	4077554	1034774.8590	242.23	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 20	P20
650583.78	4077557	354092.0340	259.71	290	1.5	ANNUAL	ALL	1	Boundary Perimeter 21	P21
650683.75	4077559	349138.2503	257.58	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 22	P22
650776.81	4077554	237923.0870	267.9	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 23	P23
650778.91	4077454	282692.5881	275.91	275.91	1.5	ANNUAL	ALL	1	Boundary Perimeter 24	P24
650781	4077354	520798.0646	265.73	281	1.5	ANNUAL	ALL	1	Boundary Perimeter 25	P25
650783.1	4077254	1183650.5565	251.08	282	1.5	ANNUAL	ALL	1	Boundary Perimeter 26	P26
650785.19	4077154	1684639.2064	252.83	281	1.5	ANNUAL	ALL	1	Boundary Perimeter 27	P27
650787.29	4077054	2963008.0636	246.1	269	1.5	ANNUAL	ALL	1	Boundary Perimeter 28	P28
650789.38	4076954	4243191.6615	241.37	269	1.5	ANNUAL	ALL	1	Boundary Perimeter 29	P29
648784.19	4077527	3477801.6744	209.74	209.74	1.5	ANNUAL	ALL	1	Boundary Perimeter 3	P3
650791.48	4076854	3994436.8711	246.79	251	1.5	ANNUAL	ALL	1	Boundary Perimeter 30	P30
650793.57	4076754	7405138.5438	228.75	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 31	P31
650754.39		8171105.4065	217.76	271	1.5	ANNUAL	ALL	1	Boundary Perimeter 32	P32
650660.22	4076650	9158906.6320	221.2	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 33	P33
650561.43	4076650	10182226.7110	220.83	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 34	P34
650462.72	4076666	11091636.8316	223.42	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 35	P35
650364.01	4076682	11867135.9941	222.46	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 36	P36
650264.24	4076683	11720412.8944	223.19	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 37	P37
650164.71	4076674	11981783.5501	222.1	249	1.5	ANNUAL	ALL	1	Boundary Perimeter 38	P38
650065.8	4076660	12772615.1697	217.03	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 39	P39
648884.17	4077529	4398592.1960	214.25	227	1.5	ANNUAL	ALL	1	Boundary Perimeter 4	P4
649980.44	4076627	13274386.1941	214.82	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 40	P40
649920.26		13209557.7165	214.91	264	1.5	ANNUAL		1	Boundary Perimeter 41	P41
649852.19	4076474	12197408.4885	214.09	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 42	P42
649770.68		10338789.1676	211.53	266	1.5	ANNUAL		1	Boundary Perimeter 43	P43
649680.48		8621656.0021	210.17	266	1.5	ANNUAL		1	Boundary Perimeter 44	P44
649580.91	4076368	6915885.7891	208.52	264	1.5	ANNUAL		1	Boundary Perimeter 45	P45
649482.48	4076384	5507351.4108	207.5	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 46	P46
649391.59		4737226.5644	205.17	264	1.5	ANNUAL		1	Boundary Perimeter 47	P47
649303.5	4076472	3822156.4314	202.16	264	1.5	ANNUAL		1	Boundary Perimeter 48	P48
649226.19	4076535	3227166.5081	196.38	264	1.5	ANNUAL		1	Boundary Perimeter 49	P49
648984.14		5313596.6615	221.41	221.41	1.5	ANNUAL		1	Boundary Perimeter 5	P5
649156.2	4076605	2928999.3898	195.87	264	1.5	ANNUAL		1	Boundary Perimeter 50	P50
649068.25		2368170.6189	196.32	264	1.5	ANNUAL		1	Boundary Perimeter 51	P51
648986.7	4076711	2053121.1150	192.42	263	1.5	ANNUAL		1	Boundary Perimeter 52	P52
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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRSNET ID	Description	ID
648936.53	4076759	1935541.0467	192.46	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 53	P53
648868.58	4076833	1816425.8006	191.63	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 54	P54
648797.23	4076902	1681187.3697	186.32	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 55	P55
648710.56	4076952	1469703.9127	179.81	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 56	P56
648620.79	4076996	1279309.6048	176.23	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 57	P57
648607.19	4077051	1312307.9524	175.02	250	1.5	ANNUAL		1	Boundary Perimeter 58	P58
648680.07	4077119	1666075.8685	180.62	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 59	P59
649084.12	4077532	5765785.8782	216.54	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 6	P6
648759.24	4077180	2203142.1447	183.47	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 60	P60
648791.44	4077262	2809860.0903	202.88	245	1.5	ANNUAL	ALL	1	Boundary Perimeter 61	P61
648788.45	4077362	2758152.0221	178.21	259	1.5	ANNUAL		1	Boundary Perimeter 62	P62
648691.25	4077361	2221152.2106	176.25	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 63	P63
648591.35	4077357	1799337.3542	176	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 64	P64
648525.69	4077371	1596439.0125	175.24	245	1.5	ANNUAL		1	Boundary Perimeter 65	P65
648586.93	4077430	1885381.0926	175.13	259	1.5	ANNUAL		1	Boundary Perimeter 66	P66
649184.09	4077534	5421702.0776	230.71	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 7	P7
649284.08	4077535	2409998.0155	248.08	259	1.5	ANNUAL		1	Boundary Perimeter 8	P8
649384.06	4077536	1569458.9039	258.43	258.43	1.5	ANNUAL	ALL	1	Boundary Perimeter 9	P9
645930	4077983	196847.6275	127.38	127.38	1.5	ANNUAL		1	New Development	RP_G1
646030	4077983	207985.7901	131.21	131.21	1.5	ANNUAL	ALL	1	New Development	RP_G1
646130	4077983	220161.6082	135.89	135.89	1.5	ANNUAL		1	New Development	RP_G1
646230	4077983	233259.0525	139.18	139.18	1.5	ANNUAL		1	New Development	RP_G1
646330	4077983	247318.9771	140.76	140.76	1.5	ANNUAL	ALL	1	New Development	RP_G1
646430	4077983	263022.9959	143.89	143.89	1.5	ANNUAL	ALL	1	New Development	RP_G1
646530	4077983	280129.5203	145.22	145.22	1.5	ANNUAL		1	New Development	RP_G1
646630	4077983	299230.8353	147.21	147.21	1.5	ANNUAL	ALL	1	New Development	RP_G1
646730	4077983	320069.6204	148.3	160	1.5	ANNUAL		1	New Development	RP_G1
645930	4078083	205286.0258	127.58	127.58	1.5	ANNUAL	ALL	1	New Development	RP_G1
646030	4078083	216586.9183	130.56	130.56	1.5	ANNUAL		1	New Development	RP_G1
646130	4078083	228872.1381	134.35	134.35	1.5	ANNUAL		1	New Development	RP_G1
646230	4078083	242478.3933	139.22	139.22	1.5	ANNUAL		1	New Development	RP_G1
646330	4078083	257741.2827	144.65	144.65	1.5	ANNUAL		1	New Development	RP_G1
646430	4078083	273214.0878	142.28	142.28	1.5	ANNUAL	ALL	1	New Development	RP_G1
646530	4078083	291574.4294	146.76	146.76	1.5	ANNUAL		1	New Development	RP_G1
646630	4078083	311645.5622	150.64	150.64	1.5	ANNUAL		1	New Development	RP_G1
646730	4078083	333986.2897	155.4	157	1.5	ANNUAL	ALL	1	New Development	RP_G1
645930	4078183	212438.4830	127.22	127.22	1.5	ANNUAL		1	New Development	RP_G1
646030	4078183	223901.8095	130.56	130.56	1.5	ANNUAL	ALL	1	New Development	RP_G1
646130	4078183	236551.7922	133.89	133.89	1.5	ANNUAL	ALL	1	New Development	RP_G1
646230	4078183	251050.1337	140.45	140.45	1.5	ANNUAL	ALL	1	New Development	RP_G1

* AERMOD (19191): Appendix B Attachment - Future Peak Emissions for Closure Area

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 284 RECEPTORS.
- FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
646330	4078183	267388.0330	146.94	146.94	1.5	ANNUAL	ALL	1	New Development	RP_G1
646430	4078183	282462.0958	140.23	140.23	1.5	ANNUAL	ALL	1	New Development	RP G1
646530	4078183	301582.2905	147.25	147.25	1.5	ANNUAL	ALL	1	New Development	RP G1
646630	4078183	322027.6053	151.56	151.56	1.5	ANNUAL	ALL	1	New Development	RP G1
646730	4078183	345722.4148	157.78	166	1.5	ANNUAL	ALL	1	New Development	RP G1
645930	4078283	218350.5437	126.06	126.06	1.5	ANNUAL	ALL	1	New Development	RP_G1
646030	4078283	230440.4455	129.56	129.56	1.5	ANNUAL	ALL	1	New Development	RP_G1
646130	4078283	243800.7443	132.89	132.89	1.5	ANNUAL	ALL	1	New Development	RP_G1
646230	4078283	258848.4590	139.24	139.24	1.5	ANNUAL	ALL	1	New Development	RP_G1
646330	4078283	274782.6230	142.68	142.68	1.5	ANNUAL	ALL	1	New Development	RP_G1
646430	4078283	290766.0312	140.02	140.02	1.5	ANNUAL	ALL	1	New Development	RP_G1
646530	4078283	310129.6313	147.22	147.22	1.5	ANNUAL		1	New Development	RP_G1
646630	4078283	331179.3173	151.56	151.56	1.5	ANNUAL		1	New Development	RP_G1
646730	4078283	355507.7748	156.78	166	1.5	ANNUAL	ALL	1	New Development	RP_G1
648659.32	4077241	2119482.7561	205.79	205.79	1.5	ANNUAL	ALL	1	House 1	RP_H1
648071.24	4076116	374915.8442	169.6	240	1.5	ANNUAL		1	House 10	RP_H10
648247.37	4076278	473324.5835	184.55	240	1.5	ANNUAL		1	House 11	RP_H11
648027.19	4076255	378837.7467	169.38	240	1.5	ANNUAL	ALL	1	House 12	RP_H12
648065.77	4076359	405751.2792	173.83	240	1.5	ANNUAL		1	House 13	RP_H13
648138.68	4076400	441553.5615	178.22	240	1.5	ANNUAL	ALL	1	House 14	RP_H14
648254.71	4076411	514328.0122	191.28	240	1.5	ANNUAL		1	House 15	RP_H15
647877.81	4076365	347406.4245	165.39	240	1.5	ANNUAL		1	House 16	RP_H16
647520	4076206	259973.5073	159	159	1.5	ANNUAL		1	House 17	RP_H17
647921	4076247	346710.8134	164	240	1.5	ANNUAL		1	House 18	RP_H18
647708.78	4076352	304619.5631	163.52	163.52	1.5	ANNUAL		1	House 19	RP_H19
648371.71	4075470	323588.2197	173.69	227	1.5	ANNUAL		1	House 2	RP_H2
647703.58	4076251	296362.5660	162.17	162.17	1.5	ANNUAL		1	House 20	RP_H20
647718.77	4076104	291665.6899	159.35	159.35	1.5	ANNUAL		1	House 21	RP_H21
647843.32	4076125	318680.6559	163	234	1.5	ANNUAL		1	House 22	RP_H22
647842.26	4076500	353168.1034	167.93	167.93	1.5	ANNUAL		1	House 23	RP_H23
647727.75	4076644	346250.6262	164.15	164.15	1.5	ANNUAL		1	House 24	RP_H24
647823.91	4076644	375633.0223	168.29	168.29	1.5	ANNUAL		1	House 25	RP_H25
647530	4076497	279805.1048	159.56	159.56	1.5	ANNUAL		1	House 26	RP_H26
647810.11	4076854	390491.9866	162.9	162.9	1.5	ANNUAL		1	House 27	RP_H27
647697.48	4076989	400519.8885	161.42	162	1.5	ANNUAL		1	House 28	RP_H28
648225.5	4076182	445244.0488	183.22	240	1.5	ANNUAL		1	House 29	RP_H29
647678.23	4075969	268463.2024	159.5	159.5	1.5	ANNUAL		1	House 3	RP_H3
645876.32	4077487	165962.3619	127.13	142	1.5	ANNUAL		1	House 30	RP_H30
650902	4076062	3138585.6440	215.24	287	1.5	ANNUAL		1	House 31	RP_H31
651490	4076597	1672808.9198	205.5	813	1.5	ANNUAL	ALL	1	House 32	RP_H32

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* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
651565	4077067	1199336.5717	213.93	813	1.5	ANNUAL	ALL	1	House 33	RP H33
648672.77	4075307	474148.2560	225.91	227	1.5	ANNUAL	ALL	1	House 34	RP H34
648383.6	4075469	326381.8082	174.44	227	1.5	ANNUAL	ALL	1	House 35	RP H35
646379.37	4077233	187928.7316	146	146	1.5	ANNUAL	ALL	1	House 36	RP H36
651849.72	4075865	1181925.4555	201.97	333	1.5	ANNUAL	ALL	1	House 37	RP H37
652045.49	4076210	949974.7124	196.88	813	1.5	ANNUAL	ALL	1	House 38	RP_H38
652255.69	4076391	756268.7728	197.06	813	1.5	ANNUAL	ALL	1	House 39	RP_H39
647815.25	4075985	292878.8589	162.04	162.04	1.5	ANNUAL	ALL	1	House 4	RP_H4
646853.73	4077373	269804.7088	145.99	145.99	1.5	ANNUAL	ALL	1	House 40	RP_H40
647050.21	4077360	304072.9463	145	145	1.5	ANNUAL	ALL	1	House 41	RP_H41
647286.42	4077474	377515.2083	149.68	153	1.5	ANNUAL	ALL	1	House 42	RP_H42
647359.05	4077340	375921.9389	154.45	159	1.5	ANNUAL	ALL	1	House 43	RP_H43
647490.41	4077329	416183.7622	162.28	162.28	1.5	ANNUAL	ALL	1	House 44	RP_H44
647522.17	4077252	410347.9182	164.3	164.3	1.5	ANNUAL	ALL	1	House 45	RP_H45
647517.82	4077139	384843.5010	164.01	164.01	1.5	ANNUAL	ALL	1	House 46	RP_H46
646819.01	4077258	246943.7596	151.53	152	1.5	ANNUAL	ALL	1	House 47	RP_H47
646778.72	4077128	226871.1890	158.51	158.51	1.5	ANNUAL	ALL	1	House 48	RP_H48
646987.26	4077213	267524.0237	146.44	146.44	1.5	ANNUAL	ALL	1	House 49	RP_H49
647898.2	4076033	317293.4038	163.83	237	1.5	ANNUAL	ALL	1	House 5	RP_H5
647241.77	4077227	324070.6644	154.85	154.85	1.5	ANNUAL	ALL	1	House 50	RP_H50
646773.05	4077063	222413.2393	159	159	1.5	ANNUAL	ALL	1	House 51	RP_H51
647104.37	4077118	276310.2632	148.99	148.99	1.5	ANNUAL		1	House 52	RP_H52
647291.9	4077123	318435.2708	158.62	158.62	1.5	ANNUAL	ALL	1	House 53	RP_H53
646765.24	4076978	216366.5477	158.67	158.67	1.5	ANNUAL	ALL	1	House 54	RP_H54
646995.65	4076984	245353.1314	152.34	152.34	1.5	ANNUAL		1	House 55	RP_H55
647317.21	4077031	309411.2645	160.22	160.22	1.5	ANNUAL	ALL	1	House 56	RP_H56
647398.39	4077013	324422.3470	161.26	161.26	1.5	ANNUAL		1	House 57	RP_H57
646978.93	4076904	233590.8233	156.81	156.81	1.5	ANNUAL	ALL	1	House 58	RP_H58
647015.19	4076807	222499.8858	156.21	156.21	1.5	ANNUAL		1	House 59	RP_H59
648045.44	4076018	346342.9011	168.26	240	1.5	ANNUAL	ALL	1	House 6	RP_H6
647163.96	4076802	239926.0277	154.38	154.38	1.5	ANNUAL	ALL	1	House 60	RP_H60
647310.58	4076940	291288.5551	162.49	162.49	1.5	ANNUAL	ALL	1	House 61	RP_H61
647298.09	4076805	260375.1008	158	158	1.5	ANNUAL	ALL	1	House 62	RP_H62
647446.56	4076900	307198.4373	159.45	159.45	1.5	ANNUAL	ALL	1	House 63	RP_H63
647464.49	4076781	286193.9750	159.32	159.32	1.5	ANNUAL		1	House 64	RP_H64
647512	4076536	280613.1079	159	159	1.5	ANNUAL	ALL	1	House 65	RP_H65
651131	4078767	210081.9509	179.58	830	1.5	ANNUAL		1	House 66	RP_H66
647131	4077336	317577.6048	146.77	146.77	1.5	ANNUAL	ALL	1	House 67	RP_H67
646798	4076740	190576.7491	156.07	156.07	1.5	ANNUAL	ALL	1	House 68	RP_H68
646900	4076802	209600.0469	159	159	1.5	ANNUAL	ALL	1	House 69	RP_H69

08/28/21

* AERMET (21112): 2020

10:44:48

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRSNET ID	Description	ID
648126.33	4075955	350861.7992	171.51	240	1.5	ANNUAL	ALL	1	House 7	RP_H7
647317	4076662	248216.3076	159.9	159.9	1.5	ANNUAL	ALL	1	House 70	RP_H70
648249.26	4075970	395694.3868	183.42	240	1.5	ANNUAL	ALL	1	House 8	RP_H8
648218.58	4076109	423872.2481	182.28	240	1.5	ANNUAL	ALL	1	House 9	RP_H9
649744	4079173	448590.9565	176.1	830	1.5	ANNUAL	ALL	1	Grid Receptor 51	G51
650144	4079173	309597.4915	173	830	1.5	ANNUAL	ALL	1	Grid Receptor 61	G61
650544	4079173	224245.5669	177	830	1.5	ANNUAL	ALL	1	Grid Receptor 71	G71
650944	4079173	178632.2685	181.3	830	1.5	ANNUAL	ALL	1	Grid Receptor 81	G81
651344	4079173	167333.8100	191	830	1.5	ANNUAL	ALL	1	Grid Receptor 91	G91

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

Concetration values multiplied by a factor of 10 to convert from 0.1 lb/hr-SF to 1 lb/hr-SF for dispersion factor use.

09/01/21

* AERMET (21112): 2018

09:17:47

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
645996	4078698	0.063960	123.85	123.85	0	ANNUAL	ALL	1		AQ Monitoring Station	AQ_ST_1	
643903.65	4077719	0.026900	105.68	105.68	0	ANNUAL	ALL	1		Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.782	4079416	0.022070	85.12	85.12	0	ANNUAL	ALL	1		Dunne Park	CR_PK_1	
642179.095	4079950	0.022690	117.99	117.99	0	ANNUAL	ALL	1		Vista Park Hill Park	CR_PK_2	
644733.142	4078753	0.043560	106.44	106.44	0	ANNUAL	ALL	1		Las Brisas Park	CR_PK_3	
645608.808	4078854	0.054720	112.86	112.86	0	ANNUAL	ALL	1		Frank Klauer Memorial Park	CR_PK_4	
644238.054	4078807	0.037760	95.25	95.25	0	ANNUAL	ALL	1		Veterans Memorial Park	CR_PK_5	
645311.476	4076559	0.035490	134.61	134.61	0	ANNUAL	ALL	1		Park 6	CR_PK_6	
649581.689	4073424	0.047130	159.96	318	0	ANNUAL	ALL	1		Park 7	CR_PK_7	
645145.11	4077181	0.037970	133	133	0	ANNUAL	ALL	1		Cerra Vista Elem School	CR_SC_1	
642904.712	4079955	0.024990	86	86	0	ANNUAL	ALL	1		San Andreas Continuation	CR_SC_10	
645850.678	4074015	0.017380	123	313	0	ANNUAL	ALL	1		SouthSide School	CR_SC_11	
642105.679	4078176	0.018220	91	91	0	ANNUAL	ALL	1		School 12	CR_SC_12	
646058.93	4078443	0.069190	128.52	128.52	0	ANNUAL	ALL	1		Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.044630	158	158	0	ANNUAL	ALL	1		Future School	CR_SC_14	School 2
648466	4074106	0.035070	159	240	0	ANNUAL	ALL	1		Tres Pinos Union Elementary School	CR_SC_15	
644109.6	4078389	0.036850	98.2	98.2	0	ANNUAL	ALL	1		Sunnyslope Elem School	CR_SC_2	
643920.12	4077304	0.025780	101.23	101.23	0	ANNUAL	ALL	1		Hollister Montessori School	CR_SC_3	
642961.07	4078621	0.027510	92	92	0	ANNUAL	ALL	1		Rancho San Justo Middle School	CR_SC_4	
643980.02	4079743	0.030930	88	88	0	ANNUAL	ALL	1		Marguerite Maze Middle School	CR_SC_5	
641630.17	4079153	0.020580	85	85	0	ANNUAL	ALL	1		Hollister Prep Schoo	CR_SC_6	
643350.03	4077181	0.022120	98.22	98.22	0	ANNUAL	ALL	1		Ladd Lane Elementary School	CR_SC_7	
644002.96	4080079	0.028720	87	87	0	ANNUAL	ALL	1		Gabilan Hills Elementary School	CR_SC_8	
642244.858	4078413	0.021470	90.17	90.17	0	ANNUAL	ALL	1		San Benito High School	CR_SC_9	
642083.447	4079794	0.022160	87.58	127	0	ANNUAL	ALL	1		Jovenes De Antano	CR_SR_1	
646402	4076879	0.061440	146.33	153	0	ANNUAL	ALL	1		Workplace	CR_WP_1	
648949	4077938	0.379410	189.45	259	0	ANNUAL	ALL	1		Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.108860	155.2	155.2	0	ANNUAL	ALL	1		Grid Receptor 1	G1	
647744	4075573	0.057760	160	160	0	ANNUAL	ALL	1		Grid Receptor 10	G10	
651344	4075573	0.292800	252.9	252.9	0	ANNUAL	ALL	1		Grid Receptor 100	G100	
648144	4079173	0.117480	165.9	165.9	0	ANNUAL	ALL	1		Grid Receptor 11	G11	
648144	4078773	0.147350	159.6	159.6	0	ANNUAL	ALL	1		Grid Receptor 12	G12	
648144	4078373	0.175100	146.2	146.2	0	ANNUAL	ALL	1		Grid Receptor 13	G13	
648144	4077973	0.223340	158.3	181	0	ANNUAL	ALL	1		Grid Receptor 14	G14	
648144	4077573	0.286290	166.6	179	0	ANNUAL	ALL	1		Grid Receptor 15	G15	
648144	4077173	0.302580	175.4	175.4	0	ANNUAL	ALL	1		Grid Receptor 16	G16	
648144	4076773	0.208620	177.1	240	0	ANNUAL	ALL	1		Grid Receptor 17	G17	
648144	4076373	0.134900	178	240	0	ANNUAL	ALL	1		Grid Receptor 18	G18	
648144	4075973	0.088550	173	240	0	ANNUAL	ALL	1		Grid Receptor 19	G19	
647744	4078773	0.125100	145.4	145.4	0	ANNUAL	ALL	1		Grid Receptor 2	G2	
648144	4075573	0.068460	168.8	190	0	ANNUAL	ALL	1		Grid Receptor 20	G20	
648544	4079173	0.108440	173.5	191	0	ANNUAL	ALL	1		Grid Receptor 21	G21	
648544	4078773	0.158870	166.2	166.2	0	ANNUAL	ALL	1		Grid Receptor 22	G22	
648544	4078373	0.215030	145.4	253	0	ANNUAL	ALL	1		Grid Receptor 23	G23	

09/01/21

* AERMET (21112): 2018

09:17:47

MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 284 RECEPTORS.

		(1A,F13.3),3(1A,F8.2),2A,F					0.77		**************************************		
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648544	4077973	0.271230	173.9	214	0	ANNUAL	ALL	1		Grid Receptor 24	G24
648544	4077573	0.384650	179.6	227	0	ANNUAL	ALL	1		Grid Receptor 25	G25
648544	4077173	0.671050	191	226	0	ANNUAL	ALL	1		Grid Receptor 26	G26
648544	4076773	0.404720	209.2	240	0	ANNUAL	ALL	1		Grid Receptor 27	G27
648544	4076373	0.187990	233.7	240	0	ANNUAL	ALL	1		Grid Receptor 28	G28
648544	4075973	0.130100	199.9	240	0	ANNUAL	ALL	1		Grid Receptor 29	G29
647744	4078373	0.146240	144.4	144.4	0	ANNUAL	ALL	1		Grid Receptor 3	G3
648544	4075573	0.086450	195.5	227	0	ANNUAL	ALL	1		Grid Receptor 30	G30
648944	4079173	0.088340	190.4	194	0	ANNUAL	ALL	1		Grid Receptor 31	G31
648944	4078773	0.134370	165.4	165.4	0	ANNUAL	ALL	1		Grid Receptor 32	G32
648944	4078373	0.229660	159.6	259	0	ANNUAL	ALL	1		Grid Receptor 33	G33
648944	4077973	0.364840	183.5	259	0	ANNUAL	ALL	1		Grid Receptor 34	G34
648944	4077573	0.572310	224	226	0	ANNUAL	ALL	1		Grid Receptor 35	G35
648944	4076373	0.373540	205	240	0	ANNUAL	ALL	1		Grid Receptor 38	G38
648944	4075973	0.191110	208.8	220	0	ANNUAL	ALL	1		Grid Receptor 39	G39
647744	4077973	0.175540	134.6	181	0	ANNUAL	ALL	1		Grid Receptor 4	G4
648944	4075573	0.114440	185.6	300	0	ANNUAL	ALL	1		Grid Receptor 40	G40
649344	4079173	0.072710	187.4	801	0	ANNUAL	ALL	1		Grid Receptor 41	G41
649344	4078773	0.101540	160.9	813	0	ANNUAL	ALL	1		Grid Receptor 42	G42
649344	4078373	0.179360	200.5	221	0	ANNUAL	ALL	1		Grid Receptor 43	G43
649344	4077973	0.433630	229	253	0	ANNUAL	ALL	1		Grid Receptor 44	G44
649344	4077573	0.752970	253.3	259	0	ANNUAL	ALL	1		Grid Receptor 45	G45
649344	4076373	0.847850	220.2	263	0	ANNUAL	ALL	1		Grid Receptor 48	G48
649344	4075973	0.299280	227.2	227.2	0	ANNUAL	ALL	1		Grid Receptor 49	G49
647744	4077573	0.193650	163.8	171	0	ANNUAL	ALL	1		Grid Receptor 5	G5
649344	4075573	0.181510	205.5	300	0	ANNUAL	ALL	1		Grid Receptor 50	G50
649744	4079173	0.063670	176.1	830	0	ANNUAL	ALL	1		Grid Receptor 51	G51
649744	4078773	0.090500	195	813	0	ANNUAL	ALL	1		Grid Receptor 52	G52
649744	4078373	0.136590	196.1	227	0	ANNUAL	ALL	1		Grid Receptor 53	G53
649744	4077973	0.259380	215.3	251	0	ANNUAL	ALL	1		Grid Receptor 54	G54
649744	4077573	0.758110	221.6	259	0	ANNUAL	ALL	1		Grid Receptor 55	G55
649744	4076373	1.548290	211.7	266	0	ANNUAL	ALL	1		Grid Receptor 58	G58
649744	4075973	0.513360	237.7	257	0	ANNUAL	ALL	1		Grid Receptor 59	G59
647744	4077173	0.180520	158.4	171	0	ANNUAL	ALL	1		Grid Receptor 6	G6
649744	4075573	0.259280	204.2	300	0	ANNUAL	ALL	1		Grid Receptor 60	G60
650144	4079173	0.056430	173	830	0	ANNUAL	ALL	1		Grid Receptor 61	G61
650144	4078773	0.076500	171	830	0	ANNUAL	ALL	1		Grid Receptor 62	G62
650144	4078373	0.116680	204.6	813	0	ANNUAL	ALL	1		Grid Receptor 63	G63
650144	4077973	0.195610	216.5	290	0	ANNUAL	ALL	1		Grid Receptor 64	G64
650144	4077573	0.276570	257.7	257.7	0	ANNUAL	ALL	1		Grid Receptor 65	G65
650144	4076373	1.613720	231.4	272	0	ANNUAL	ALL	1		Grid Receptor 68	G68
650144	4075973	0.628810	249.4	266	0	ANNUAL	ALL	1		Grid Receptor 69	G69
647744	4076773	0.139540	164.7	164.7	0	ANNUAL	ALL	1		Grid Receptor 7	G7
650144	4075573	0.372900	216.4	300	0	ANNUAL	ALL	1		Grid Receptor 70	G70
050144	TUIJJIJ	0.5/4700	210.4	500	U	AININUAL	ALL	1		Ond Receptor /0	0/0

09/01/21

* AERMET (21112): 2018

09:17:47

MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 284 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
650544	4079173	0.051450	177	830	0	ANNUAL	ALL	1	NETIV	Grid Receptor 71	G71
650544	4078773	0.067440	180.9	830	0	ANNUAL	ALL	1		Grid Receptor 72	G72
650544	4078373	0.094990	196.6	830	0	ANNUAL	ALL	1		Grid Receptor 73	G72
650544	4077973	0.171530	236.9	801	0	ANNUAL	ALL	1		Grid Receptor 74	G74
650544	4077573	0.172510	261.3	287	0	ANNUAL	ALL	1		Grid Receptor 75	G75
650544	4076373	0.829150	260.9	260.9	0	ANNUAL	ALL	1		Grid Receptor 78	G78
650544	4075973	0.677190	226.7	287	0	ANNUAL	ALL	1		Grid Receptor 79	G79
647744	4076373	0.101020	164	164	0	ANNUAL	ALL	1		Grid Receptor 8	G8
650544	4075573	0.237570	268.2	287	0	ANNUAL	ALL	1		Grid Receptor 80	G80
650944	4079173	0.045560	181.3	830	0	ANNUAL	ALL	1		Grid Receptor 81	G81
650944	4078773	0.056160	178.4	830	0	ANNUAL	ALL	1		Grid Receptor 82	G82
650944	4078373	0.085670	214.8	830	0	ANNUAL	ALL	1		Grid Receptor 83	G83
650944	4077973	0.125910	249.9	813	0	ANNUAL	ALL	1		Grid Receptor 84	G84
650944	4077573	0.083230	276.5	296	0	ANNUAL	ALL	1		Grid Receptor 85	G85
650944	4077173	0.378330	225.6	296	0	ANNUAL	ALL	1		Grid Receptor 86	G86
650944	4076773	0.589790	219.8	267	0	ANNUAL	ALL	1		Grid Receptor 87	G87
650944	4076373	0.589770	209.2	273	0	ANNUAL	ALL	1		Grid Receptor 88	G88
650944	4075973	0.504080	216.6	287	0	ANNUAL	ALL	1		Grid Receptor 89	G89
647744	4075973	0.066490	160.7	160.7	0	ANNUAL	ALL	1		Grid Receptor 9	G9
650944	4075573	0.371890	243.2	289	0	ANNUAL	ALL	1		Grid Receptor 90	G90
651344	4079173	0.039510	191	830	0	ANNUAL	ALL	1		Grid Receptor 91	G91
651344	4078773	0.049560	181	830	0	ANNUAL	ALL	1		Grid Receptor 92	G92
651344	4078373	0.077760	214.3	830	0	ANNUAL	ALL	1		Grid Receptor 93	G93
651344	4077973	0.113000	248.4	826	0	ANNUAL	ALL	1		Grid Receptor 94	G94
651344	4077573	0.157710	213.2	826	0	ANNUAL	ALL	1		Grid Receptor 95	G95
651344	4077173	0.233550	213.6	813	0	ANNUAL	ALL	1		Grid Receptor 96	G96
651344	4076773	0.297800	203.5	813	0	ANNUAL	ALL	1		Grid Receptor 97	G97
651344	4076373	0.338760	205.6	220	0	ANNUAL	ALL	1		Grid Receptor 98	G98
651344	4075973	0.313820	205.8	269	0	ANNUAL	ALL	1		Grid Receptor 99	G99
649484.05	4077537	0.874600	254.01	257	0	ANNUAL	ALL	1		Boundary Perimeter 10	P10
649584.03	4077539	1.276500	235.3	259	0	ANNUAL	ALL	1		Boundary Perimeter 11	P11
649684.02	4077540	0.945710	221.29	259	0	ANNUAL	ALL	1		Boundary Perimeter 12	P12
649784	4077541	0.808340	222.37	260	0	ANNUAL	ALL	1		Boundary Perimeter 13	P13
649883.99	4077542	0.727060	233.6	259	0	ANNUAL	ALL	1		Boundary Perimeter 14	P14
649983.97	4077543	0.503160	249.54	259	0	ANNUAL	ALL	1		Boundary Perimeter 15	P15
650083.94	4077546	0.289710	258.89	258.89	0	ANNUAL	ALL	1		Boundary Perimeter 16	P16
650183.91	4077548	0.252480	259.56	259.56	0	ANNUAL	ALL	1		Boundary Perimeter 17	P17
650283.87	4077550	0.253100	256.77	266	0	ANNUAL	ALL	1		Boundary Perimeter 18	P18
650383.84	4077552	0.358580	242.37	290	0	ANNUAL	ALL	1		Boundary Perimeter 19	P19
650483.81	4077554	0.327820	242.23	296	0	ANNUAL	ALL	1		Boundary Perimeter 20	P20
650583.78	4077557	0.192230	259.71	290	0	ANNUAL	ALL	1		Boundary Perimeter 21	P21
650683.75	4077559	0.202810	257.58	296	0	ANNUAL	ALL	1		Boundary Perimeter 22	P22
650776.81	4077554	0.128830	267.9	296	0	ANNUAL	ALL	1		Boundary Perimeter 23	P23
650778.91	4077454	0.116220	275.91	275.91	0	ANNUAL	ALL	1		Boundary Perimeter 24	P24
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09/01/21

* AERMET (21112): 2018

09:17:47

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
650781	4077354	0.196490	265.73	281	0	ANNUAL	ALL	1		Boundary Perimeter 25	P25	
650783.1	4077254	0.370520	251.08	282	0	ANNUAL	ALL	1		Boundary Perimeter 26	P26	
650785.19	4077154	0.404690	252.83	281	0	ANNUAL	ALL	1		Boundary Perimeter 27	P27	
650787.29	4077054	0.564690	246.1	269	0	ANNUAL	ALL	1		Boundary Perimeter 28	P28	
650789.38	4076954	0.705280	241.37	269	0	ANNUAL	ALL	1		Boundary Perimeter 29	P29	
650791.48	4076854	0.756350	246.79	251	0	ANNUAL	ALL	1		Boundary Perimeter 30	P30	
650793.57	4076754	0.871720	228.75	264	0	ANNUAL	ALL	1		Boundary Perimeter 31	P31	
650754.39	4076683	0.904250	217.76	271	0	ANNUAL	ALL	1		Boundary Perimeter 32	P32	
650660.22	4076650	1.223700	221.2	273	0	ANNUAL	ALL	1		Boundary Perimeter 33	P33	
650561.43	4076650	1.715450	220.83	273	0	ANNUAL	ALL	1		Boundary Perimeter 34	P34	
650462.72	4076666	2.749160	223.42	273	0	ANNUAL	ALL	1		Boundary Perimeter 35	P35	
650364.01	4076682	4.025300	222.46	263	0	ANNUAL	ALL	1		Boundary Perimeter 36	P36	
650264.24	4076683	4.281390	223.19	263	0	ANNUAL	ALL	1		Boundary Perimeter 37	P37	PMI
650164.71	4076674	4.101910	222.1	249	0	ANNUAL	ALL	1		Boundary Perimeter 38	P38	
650065.8	4076660	3.806760	217.03	264	0	ANNUAL	ALL	1		Boundary Perimeter 39	P39	
649980.44	4076627	3.709030	214.82	264	0	ANNUAL	ALL	1		Boundary Perimeter 40	P40	
649920.26	4076547	3.075890	214.91	264	0	ANNUAL	ALL	1		Boundary Perimeter 41	P41	
649852.19	4076474	2.439700	214.09	266	0	ANNUAL	ALL	1		Boundary Perimeter 42	P42	
649770.68	4076417	1.872700	211.53	266	0	ANNUAL	ALL	1		Boundary Perimeter 43	P43	
649680.48	4076375	1.633080	210.17	266	0	ANNUAL	ALL	1		Boundary Perimeter 44	P44	
649580.91	4076368	1.448360	208.52	264	0	ANNUAL	ALL	1		Boundary Perimeter 45	P45	
649482.48	4076384	1.272570	207.5	264	0	ANNUAL	ALL	1		Boundary Perimeter 46	P46	
649391.59	4076425	1.375880	205.17	264	0	ANNUAL	ALL	1		Boundary Perimeter 47	P47	
649303.5	4076472	1.434660	202.16	264	0	ANNUAL	ALL	1		Boundary Perimeter 48	P48	
649226.19	4076535	1.502920	196.38	264	0	ANNUAL	ALL	1		Boundary Perimeter 49	P49	
649156.2	4076605	1.696370	195.87	264	0	ANNUAL	ALL	1		Boundary Perimeter 50	P50	
649068.25	4076653	1.470230	196.32	264	0	ANNUAL	ALL	1		Boundary Perimeter 51	P51	
648986.7	4076711	1.372400	192.42	263	0	ANNUAL	ALL	1		Boundary Perimeter 52	P52	
648936.53	4076759	1.401130	192.46	250	0	ANNUAL	ALL	1		Boundary Perimeter 53	P53	
648868.58	4076833	1.435640	191.63	250	0	ANNUAL	ALL	1		Boundary Perimeter 54	P54	
648797.23	4076902	1.447340	186.32	250	0	ANNUAL	ALL	1		Boundary Perimeter 55	P55	
648710.56	4076952	1.236100	179.81	250	0	ANNUAL	ALL	1		Boundary Perimeter 56	P56	
648620.79	4076996	0.858180	176.23	250	0	ANNUAL	ALL	1		Boundary Perimeter 57	P57	
648607.19	4077051	1.214590	175.02	250	0	ANNUAL	ALL	1		Boundary Perimeter 58	P58	
648680.07	4077119	1.046760	180.62	250	0	ANNUAL	ALL	1		Boundary Perimeter 59	P59	
649084.12	4077532	0.667130	216.54	259	0	ANNUAL	ALL	1		Boundary Perimeter 6	P6	
648759.24	4077180	0.730650	183.47	259	0	ANNUAL	ALL	1		Boundary Perimeter 60	P60	
648791.44	4077262	0.618390	202.88	245	0	ANNUAL	ALL	1		Boundary Perimeter 61	P61	
648788.45	4077362	0.524730	178.21	259	0	ANNUAL	ALL	1		Boundary Perimeter 62	P62	
648691.25	4077361	0.504360	176.25	259	0	ANNUAL	ALL	1		Boundary Perimeter 63	P63	
648591.35	4077357	0.495650	176	259	0	ANNUAL	ALL	1		Boundary Perimeter 64	P64	
648525.69	4077371	0.473500	175.24	245	0	ANNUAL	ALL	1		Boundary Perimeter 65	P65	
648586.93	4077430	0.446490	175.13	259	0	ANNUAL	ALL	1		Boundary Perimeter 66	P66	
649184.09	4077534	0.830450	230.71	259	0	ANNUAL	ALL	1		Boundary Perimeter 7	P7	

09/01/21

* AERMET (21112): 2018

09:17:47

MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 284 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
649284.08	4077535	0.862000	248.08	259	0	ANNUAL	ALL	1		Boundary Perimeter 8	P8
649384.06	4077536	0.690470	258.43	258.43	0	ANNUAL	ALL	1		Boundary Perimeter 9	P9
645930	4077983	0.068680	127.38	127.38	0	ANNUAL	ALL	1		New Development	RP_G1
646030	4077983	0.071880	131.21	131.21	0	ANNUAL	ALL	1		New Development	RP_G1
646130	4077983	0.075340	135.89	135.89	0	ANNUAL	ALL	1		New Development	RP_G1
646230	4077983	0.079010	139.18	139.18	0	ANNUAL	ALL	1		New Development	RP G1
646330	4077983	0.082860	140.76	140.76	0	ANNUAL	ALL	1		New Development	RP_G1
646430	4077983	0.086990	143.89	143.89	0	ANNUAL	ALL	1		New Development	RP_G1
646530	4077983	0.091270	145.22	145.22	0	ANNUAL	ALL	1		New Development	RP_G1
646630	4077983	0.095800	147.21	147.21	0	ANNUAL	ALL	1		New Development	RP_G1
646730	4077983	0.100530	148.3	160	0	ANNUAL	ALL	1		New Development	RP_G1
645930	4078083	0.069350	127.58	127.58	0	ANNUAL	ALL	1		New Development	RP_G1
646030	4078083	0.072450	130.56	130.56	0	ANNUAL	ALL	1		New Development	RP_G1
646130	4078083	0.075720	134.35	134.35	0	ANNUAL	ALL	1		New Development	RP_G1
646230	4078083	0.079180	139.22	139.22	0	ANNUAL	ALL	1		New Development	RP_G1
646330	4078083	0.082830	144.65	144.65	0	ANNUAL	ALL	1		New Development	RP_G1
646430	4078083	0.086300	142.28	142.28	0	ANNUAL	ALL	1		New Development	RP_G1
646530	4078083	0.090230	146.76	146.76	0	ANNUAL	ALL	1		New Development	RP_G1
646630	4078083	0.094380	150.64	150.64	0	ANNUAL	ALL	1		New Development	RP_G1
646730	4078083	0.098910	155.4	157	0	ANNUAL	ALL	1		New Development	RP_G1
645930	4078183	0.069270	127.22	127.22	0	ANNUAL	ALL	1		New Development	RP_G1
646030	4078183	0.072070	130.56	130.56	0	ANNUAL	ALL	1		New Development	RP_G1
646130	4078183	0.074970	133.89	133.89	0	ANNUAL	ALL	1		New Development	RP_G1
646230	4078183	0.078100	140.45	140.45	0	ANNUAL	ALL	1		New Development	RP_G1
646330	4078183	0.081440	146.94	146.94	0	ANNUAL	ALL	1		New Development	RP_G1
646430	4078183	0.084390	140.23	140.23	0	ANNUAL	ALL	1		New Development	RP_G1
646530	4078183	0.088150	147.25	147.25	0	ANNUAL	ALL	1		New Development	RP_G1
646630	4078183	0.092140	151.56	151.56	0	ANNUAL	ALL	1		New Development	RP_G1
646730	4078183	0.096700	157.78	166	0	ANNUAL	ALL	1		New Development	RP_G1
645930	4078283	0.068210	126.06	126.06	0	ANNUAL	ALL	1		New Development	RP_G1
646030	4078283	0.070750	129.56	129.56	0	ANNUAL	ALL	1		New Development	RP_G1
646130	4078283	0.073420	132.89	132.89	0	ANNUAL	ALL	1		New Development	RP_G1
646230	4078283	0.076350	139.24	139.24	0	ANNUAL	ALL	1		New Development	RP_G1
646330	4078283	0.079410	142.68	142.68	0	ANNUAL	ALL	1		New Development	RP_G1
646430	4078283	0.082470	140.02	140.02	0	ANNUAL	ALL	1		New Development	RP_G1
646530	4078283	0.086180	147.22	147.22	0	ANNUAL	ALL	1		New Development	RP_G1
646630	4078283	0.090100	151.56	151.56	0	ANNUAL	ALL	1		New Development	RP_G1
646730	4078283	0.094410	156.78	166	0	ANNUAL	ALL	1		New Development	RP_G1
648659.32	4077241	0.654130	205.79	205.79	0	ANNUAL	ALL	1		House 1	RP_H1
648071.24	4076116	0.091650	169.6	240	0	ANNUAL	ALL	1		House 10	RP_H10
648247.37	4076278	0.127140	184.55	240	0	ANNUAL	ALL	1		House 11	RP_H11
648027.19	4076255	0.105300	169.38	240	0	ANNUAL	ALL	1		House 12	RP_H12
648065.77	4076359	0.124640	173.83	240	0	ANNUAL	ALL	1		House 13	RP_H13
648138.68	4076400	0.139070	178.22	240	0	ANNUAL	ALL	1		House 14	RP_H14

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* AERMET (21112): 2018

09:17:47

MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 284 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648254.71	4076411	0.158170	191.28	240	0	ANNUAL	ALL	1	NET ID	House 15	RP H15
647877.81	4076365	0.109850	165.39	240	0	ANNUAL	ALL	1		House 16	RP_H16
647520	4076206	0.075800	159	159	0	ANNUAL	ALL	1		House 17	RP H17
647921	4076247	0.097640	164	240	0	ANNUAL	ALL	1		House 18	RP H18
647708.78	4076352	0.096930	163.52	163.52	0	ANNUAL	ALL	1		House 19	RP H19
648371.71	4075470	0.069100	173.69	227	0	ANNUAL	ALL	1		House 2	RP H2
		0.087350	162.17	162.17	0	ANNUAL	ALL	1		House 20	RP H20
647718.77	4076104	0.073480	159.35	159.35	0	ANNUAL	ALL	1		House 21	RP H21
647843.32	4076125	0.080280	163	234	0	ANNUAL	ALL	1		House 22	RP H22
647842.26	4076500	0.120460	167.93	167.93	0	ANNUAL	ALL	1		House 23	RP H23
647727.75	4076644	0.123730	164.15	164.15	0	ANNUAL	ALL	1		House 24	RP H24
647823.91	4076644	0.133580	168.29	168.29	0	ANNUAL	ALL	1		House 25	RP H25
647530	4076497	0.095440	159.56	159.56	0	ANNUAL	ALL	1		House 26	RP H26
647810.11	4076854	0.158970	162.9	162.9	0	ANNUAL	ALL	1		House 27	RP H27
647697.48	4076989	0.156100	161.42	162	0	ANNUAL	ALL	1		House 28	RP H28
648225.5	4076182	0.110520	183.22	240	0	ANNUAL	ALL	1		House 29	RP H29
647678.23	4075969	0.063820	159.5	159.5	0	ANNUAL	ALL	1		House 3	RP H3
645876.32	4077487	0.056790	127.13	142	0	ANNUAL	ALL	1		House 30	RP H30
650902	4076062	0.552480	215.24	287	0	ANNUAL	ALL	1		House 31	RP H31
651490	4076597	0.274280	205.5	813	0	ANNUAL	ALL	1		House 32	RP H32
651565	4077067	0.221780	213.93	813	0	ANNUAL	ALL	1		House 33	RP H33
648672.77	4075307	0.082530	225.91	227	0	ANNUAL	ALL	1		House 34	RP H34
648383.6	4075469	0.069450	174.44	227	0	ANNUAL	ALL	1		House 35	RP H35
646379.37	4077233	0.066430	146	146	0	ANNUAL	ALL	1		House 36	RP H36
651849.72	4075865	0.202510	201.97	333	0	ANNUAL	ALL	1		House 37	RP H37
652045.49	4076210	0.171030	196.88	813	0	ANNUAL	ALL	1		House 38	RP H38
652255.69	4076391	0.141630	197.06	813	0	ANNUAL	ALL	1		House 39	RP H39
647815.25	4075985	0.070000	162.04	162.04	0	ANNUAL	ALL	1		House 4	RP H4
646853.73	4077373	0.096870	145.99	145.99	0	ANNUAL	ALL	1		House 40	RP H40
647050.21	4077360	0.111000	145	145	0	ANNUAL	ALL	1		House 41	RP H41
647286.42	4077474	0.139300	149.68	153	0	ANNUAL	ALL	1		House 42	RP_H42
647359.05	4077340	0.141030	154.45	159	0	ANNUAL	ALL	1		House 43	RP_H43
647490.41	4077329	0.157670	162.28	162.28	0	ANNUAL	ALL	1		House 44	RP H44
647522.17	4077252	0.153900	164.3	164.3	0	ANNUAL	ALL	1		House 45	RP H45
647517.82	4077139	0.142160	164.01	164.01	0	ANNUAL	ALL	1		House 46	RP H46
646819.01	4077258	0.087650	151.53	152	0	ANNUAL	ALL	1		House 47	RP_H47
646778.72	4077128	0.082080	158.51	158.51	0	ANNUAL	ALL	1		House 48	RP H48
646987.26	4077213	0.095880	146.44	146.44	0	ANNUAL	ALL	1		House 49	RP H49
647898.2	4076033	0.076180	163.83	237	0	ANNUAL	ALL	1		House 5	RP H5
647241.77	4077227	0.117360	154.85	154.85	0	ANNUAL	ALL	1		House 50	RP H50
646773.05	4077063	0.080810	159	159	0	ANNUAL	ALL	1		House 51	RP H51
647104.37	4077118	0.100940	148.99	148.99	0	ANNUAL	ALL	1		House 52	RP H52
647291.9	4077123	0.116620	158.62	158.62	0	ANNUAL	ALL	1		House 53	RP H53
646765.24	4076978	0.078430	158.67	158.67	0	ANNUAL	ALL	1		House 54	RP_H54
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09/01/21

* AERMET (21112): 2018

09:17:47

- *MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
646995.65	4076984	0.090240	152.34	152.34	0	ANNUAL	ALL	1		House 55	RP_H55
647317.21	4077031	0.115660	160.22	160.22	0	ANNUAL	ALL	1		House 56	RP_H56
647398.39	4077013	0.122310	161.26	161.26	0	ANNUAL	ALL	1		House 57	RP_H57
646978.93	4076904	0.085890	156.81	156.81	0	ANNUAL	ALL	1		House 58	RP_H58
647015.19	4076807	0.083310	156.21	156.21	0	ANNUAL	ALL	1		House 59	RP_H59
648045.44	4076018	0.083770	168.26	240	0	ANNUAL	ALL	1		House 6	RP_H6
647163.96	4076802	0.091320	154.38	154.38	0	ANNUAL	ALL	1		House 60	RP_H60
647310.58	4076940	0.110280	162.49	162.49	0	ANNUAL	ALL	1		House 61	RP_H61
647298.09	4076805	0.100420	158	158	0	ANNUAL	ALL	1		House 62	RP_H62
647446.56	4076900	0.119110	159.45	159.45	0	ANNUAL	ALL	1		House 63	RP_H63
647464.49	4076781	0.111960	159.32	159.32	0	ANNUAL	ALL	1		House 64	RP_H64
647512	4076536	0.097540	159	159	0	ANNUAL	ALL	1		House 65	RP_H65
651131	4078767	0.052480	179.58	830	0	ANNUAL	ALL	1		House 66	RP_H66
647131	4077336	0.116240	146.77	146.77	0	ANNUAL	ALL	1		House 67	RP_H67
646798	4076740	0.071440	156.07	156.07	0	ANNUAL	ALL	1		House 68	RP_H68
646900	4076802	0.077700	159	159	0	ANNUAL	ALL	1		House 69	RP_H69
648126.33	4075955	0.086490	171.51	240	0	ANNUAL	ALL	1		House 7	RP_H7
647317	4076662	0.095100	159.9	159.9	0	ANNUAL	ALL	1		House 70	RP_H70
648249.26	4075970	0.097490	183.42	240	0	ANNUAL	ALL	1		House 8	RP_H8
648218.58	4076109	0.103080	182.28	240	0	ANNUAL	ALL	1		House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

09/01/21

* AERMET (19191): 2019

09:36:45

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X Y AVERAGE CONC ZELEV Z	HILL ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
645996 4078698 0.04341 123.85 1	23.85 0	ANNUAL	ALL	1	AQ Monitoring Station	AQ ST 1	
643903.65 4077719.38 0.01002 105.68 1	05.68 0	ANNUAL	ALL	1	Hazel Hawkins Memorial Hospital	CR HP 1	
	35.12 0	ANNUAL	ALL	1	Dunne Park	CR_PK_1	
642179.1 4079949.513 0.01246 117.99 1	17.99 0	ANNUAL	ALL	1	Vista Park Hill Park	CR_PK_2	
644733.14 4078752.702 0.02283 106.44 1	06.44 0	ANNUAL	ALL	1	Las Brisas Park	CR_PK_3	
645608.81 4078854.277 0.03655 112.86 1	12.86 0	ANNUAL	ALL	1	Frank Klauer Memorial Park	CR_PK_4	
644238.05 4078806.978 0.01872 95.25	95.25 0	ANNUAL	ALL	1	Veterans Memorial Park	CR_PK_5	
645311.48 4076558.997 0.01477 134.61 1	34.61 0	ANNUAL	ALL	1	Park 6	CR_PK_6	
649581.69 4073424.461 0.04857 159.96	318 0	ANNUAL	ALL	1	Park 7	CR_PK_7	
645145.11 4077180.55 0.01426 133	133 0	ANNUAL	ALL	1	Cerra Vista Elem School	CR_SC_1	
642904.71 4079954.526 0.01546 86	86 0	ANNUAL	ALL	1	San Andreas Continuation	CR_SC_10	
645850.68 4074014.898 0.01249 123	313 0	ANNUAL	ALL	1	SouthSide School	CR_SC_11	
642105.68 4078176.206 0.00671 91	91 0	ANNUAL	ALL	1	School 12	CR_SC_12	
646058.93 4078443.2 0.04133 128.52 1	28.52 0	ANNUAL	ALL	1	Rancho Santana School	CR_SC_13	School 1
	158 0	ANNUAL	ALL	1	Future School	CR_SC_14	School 2
	240 0	ANNUAL	ALL	1	Tres Pinos Union Elementary School	CR_SC_15	
644109.6 4078388.69 0.01596 98.2	98.2 0	ANNUAL	ALL	1	Sunnyslope Elem School	CR_SC_2	
643920.12 4077304.04 0.00966 101.23 1	01.23 0	ANNUAL	ALL	1	Hollister Montessori School	CR_SC_3	
642961.07 4078620.83 0.01169 92	92 0	ANNUAL	ALL	1	Rancho San Justo Middle School	CR_SC_4	
643980.02 4079743.02 0.02177 88	88 0	ANNUAL	ALL	1	Marguerite Maze Middle School	CR_SC_5	
641630.17 4079153 0.00917 85	85 0	ANNUAL	ALL	1	Hollister Prep Schoo	CR_SC_6	
	98.22 0	ANNUAL	ALL	1	Ladd Lane Elementary School	CR_SC_7	
644002.96 4080078.78 0.02297 87	87 0	ANNUAL	ALL	1	Gabilan Hills Elementary School	CR_SC_8	
642244.86 4078412.696 0.00821 90.17	90.17 0	ANNUAL	ALL	1	San Benito High School	CR_SC_9	
	127 0	ANNUAL	ALL	1	Jovenes De Antano	CR_SR_1	
646402 4076879.07 0.02227 146.33	153 0	ANNUAL	ALL	1	Workplace	CR_WP_1	
648949 4077938 0.42593 189.45	259 0	ANNUAL	ALL	1	Nearest Workplace	CR_WP_2	MEIW
	155.2 0	ANNUAL	ALL	1	Grid Receptor 1	G1	
	160 0	ANNUAL	ALL	1	Grid Receptor 10	G10	
	252.9 0	ANNUAL	ALL	1	Grid Receptor 100	G100	
	165.9 0	ANNUAL	ALL	1	Grid Receptor 11	G11	
	159.6 0	ANNUAL	ALL	1	Grid Receptor 12	G12	
	146.2 0	ANNUAL	ALL	1	Grid Receptor 13	G13	
	181 0	ANNUAL	ALL	1	Grid Receptor 14	G14	
	179 0	ANNUAL	ALL	1	Grid Receptor 15	G15	
	175.4 0	ANNUAL	ALL	1	Grid Receptor 16	G16	
	240 0	ANNUAL	ALL	1	Grid Receptor 17	G17	
	240 0	ANNUAL	ALL	1	Grid Receptor 18	G18	
	240 0	ANNUAL	ALL	1	Grid Receptor 19	G19	
	145.4 0	ANNUAL	ALL	1	Grid Receptor 2	G2	
648144 4075573 0.05231 168.8	190 0	ANNUAL	ALL	1	Grid Receptor 20	G20	
	191 0	ANNUAL	ALL	1	Grid Receptor 21	G21	
	166.2 0	ANNUAL	ALL	1	Grid Receptor 22	G22	
648544 4078373 0.24598 145.4	253 0	ANNUAL	ALL	1	Grid Receptor 23	G23	
648544 4077973 0.27956 173.9	214 0	ANNUAL	ALL	1	Grid Receptor 24	G24	

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* AERMET (19191): 2019

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 284 RECEPTORS.

		13.3),3(1A,16.2),2A,A0,								
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648544	4077573	0.31386	179.6	227	0	ANNUAL	ALL	1	Grid Receptor 25	G25
648544	4077173	0.55122	191	226	0	ANNUAL	ALL	1	Grid Receptor 26	G26
648544	4076773	0.19968	209.2	240	0	ANNUAL	ALL	1	Grid Receptor 27	G27
648544	4076373	0.12741	233.7	240	0	ANNUAL	ALL	1	Grid Receptor 28	G28
648544	4075973	0.10035	199.9	240	0	ANNUAL	ALL	1	Grid Receptor 29	G29
647744	4078373	0.14082	144.4	144.4	0	ANNUAL	ALL	1	Grid Receptor 3	G3
648544	4075573	0.07918	195.5	227	0	ANNUAL	ALL	1	Grid Receptor 30	G30
648944	4079173	0.11579	190.4	194	0	ANNUAL	ALL	1	Grid Receptor 31	G31
648944	4078773	0.17392	165.4	165.4	0	ANNUAL	ALL	1	Grid Receptor 32	G32
648944	4078373	0.27495	159.6	259	0	ANNUAL	ALL	1	Grid Receptor 33	G33
648944	4077973	0.41302	183.5	259	0	ANNUAL	ALL	1	Grid Receptor 34	G34
648944	4077573	0.49873	224	226	0	ANNUAL	ALL	1	Grid Receptor 35	G35
648944	4076373	0.29663	205	240	0	ANNUAL	ALL	1	Grid Receptor 38	G38
648944	4075973	0.17194	208.8	220	0	ANNUAL	ALL	1	Grid Receptor 39	G39
647744	4077973	0.13948	134.6	181	0	ANNUAL	ALL	1	Grid Receptor 4	G4
648944	4075573	0.10443	185.6	300	0	ANNUAL	ALL	1	Grid Receptor 40	G40
649344	4079173	0.08078	187.4	801	0	ANNUAL	ALL	1	Grid Receptor 41	G41
649344	4078773	0.12334	160.9	813	0	ANNUAL	ALL	1	Grid Receptor 42	G42
649344	4078373	0.22807	200.5	221	0	ANNUAL	ALL	1	Grid Receptor 43	G43
649344	4077973	0.5541	229	253	0	ANNUAL	ALL	1	Grid Receptor 44	G44
649344	4077573	0.90002	253.3	259	0	ANNUAL	ALL	1	Grid Receptor 45	G45
649344	4076373	0.74957	220.2	263	0	ANNUAL	ALL	1	Grid Receptor 48	G48
649344	4075973	0.28017	227.2	227.2	0	ANNUAL	ALL	1	Grid Receptor 49	G49
647744	4077573	0.11095	163.8	171	0	ANNUAL	ALL	1	Grid Receptor 5	G5
649344	4075573	0.1705	205.5	300	0	ANNUAL	ALL	1	Grid Receptor 50	G50
649744	4079173	0.06011	176.1	830	0	ANNUAL	ALL	1	Grid Receptor 51	G51
649744	4078773	0.08731	195	813	0	ANNUAL	ALL	1	Grid Receptor 52	G52
649744	4078373	0.1357	196.1	227	0	ANNUAL	ALL	1	Grid Receptor 53	G53
649744	4077973	0.27711	215.3	251	0	ANNUAL	ALL	1	Grid Receptor 54	G54
649744	4077573	0.85523	221.6	259	0	ANNUAL	ALL	1	Grid Receptor 55	G55
649744	4076373	1.44436	211.7	266	0	ANNUAL	ALL	1	Grid Receptor 58	G58
649744	4075973	0.50286	237.7	257	0	ANNUAL	ALL	1	Grid Receptor 59	G59
647744	4077173	0.07336	158.4	171	0	ANNUAL	ALL	1	Grid Receptor 6	G6
649744	4075573	0.25593	204.2	300	0	ANNUAL	ALL	1	Grid Receptor 60	G60
650144	4079173	0.04775	173	830	0	ANNUAL	ALL	1	Grid Receptor 61	G61
650144	4078773	0.06249	171	830	0	ANNUAL	ALL	1	Grid Receptor 62	G62
650144	4078373	0.09735	204.6	813	0	ANNUAL	ALL	1	Grid Receptor 63	G63
650144	4077973	0.15795	216.5	290	0	ANNUAL	ALL	1	Grid Receptor 64	G64
650144	4077573	0.13793	257.7	257.7	0	ANNUAL	ALL	1	Grid Receptor 65	G65
650144	4076373	1.49794	231.4	272	0	ANNUAL	ALL	1	Grid Receptor 68	G68
650144	4076373	0.59799	249.4	266	0	ANNUAL	ALL	1	Grid Receptor 69	G69
647744	4076773	0.05907	164.7	164.7	0	ANNUAL	ALL	1	Grid Receptor 7	G69 G7
650144	4076773	0.34794	216.4	300	0	ANNUAL	ALL	1	Grid Receptor 70	G70
650544	4075373	0.34794	177	830	0		ALL	1	Grid Receptor 70 Grid Receptor 71	G70 G71
						ANNUAL			*	
650544	4078773	0.05401	180.9	830	0	ANNUAL	ALL	1	Grid Receptor 72	G72

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MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

		13.5),3(1X,F8.2),2X,A6.								
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
650544	4078373	0.07642	196.6	830	0	ANNUAL	ALL	1	Grid Receptor 73	G73
650544	4077973	0.1204	236.9	801	0	ANNUAL	ALL	1	Grid Receptor 74	G74
650544	4077573	0.10315	261.3	287	0	ANNUAL	ALL	1	Grid Receptor 75	G75
650544	4076373	0.78739	260.9	260.9	0	ANNUAL	ALL	1	Grid Receptor 78	G78
650544	4075973	0.61662	226.7	287	0	ANNUAL	ALL	1	Grid Receptor 79	G79
647744	4076373	0.05835	164	164	0	ANNUAL	ALL	1	Grid Receptor 8	G8
650544	4075573	0.23758	268.2	287	0	ANNUAL	ALL	1	Grid Receptor 80	G80
650944	4079173	0.03831	181.3	830	0	ANNUAL	ALL	1	Grid Receptor 81	G81
650944	4078773	0.04323	178.4	830	0	ANNUAL	ALL	1	Grid Receptor 82	G82
650944	4078373	0.05577	214.8	830	0	ANNUAL	ALL	1	Grid Receptor 83	G83
650944	4077973	0.07201	249.9	813	0	ANNUAL	ALL	1	Grid Receptor 84	G84
650944	4077573	0.04528	276.5	296	0	ANNUAL	ALL	1	Grid Receptor 85	G85
650944	4077173	0.23634	225.6	296	0	ANNUAL	ALL	1	Grid Receptor 86	G86
650944	4076773	0.4263	219.8	267	0	ANNUAL	ALL	1	Grid Receptor 87	G87
650944	4076373	0.50955	209.2	273	0	ANNUAL	ALL	1	Grid Receptor 88	G88
650944	4075973	0.44162	216.6	287	0	ANNUAL	ALL	1	Grid Receptor 89	G89
647744	4075973	0.05055	160.7	160.7	0	ANNUAL	ALL	1	Grid Receptor 9	G9
650944	4075573	0.33811	243.2	289	0	ANNUAL	ALL	1	Grid Receptor 90	G90
651344	4079173	0.0281	191	830	0	ANNUAL	ALL	1	Grid Receptor 91	G91
651344	4078773	0.03026	181	830	0	ANNUAL	ALL	1	Grid Receptor 92	G92
651344	4078373	0.04363	214.3	830	0	ANNUAL	ALL	1	Grid Receptor 93	G93
651344	4077973	0.05921	248.4	826	0	ANNUAL	ALL	1	Grid Receptor 94	G94
651344	4077573	0.09072	213.2	826	0	ANNUAL	ALL	1	Grid Receptor 95	G95
651344	4077173	0.14551	213.6	813	0	ANNUAL	ALL	1	Grid Receptor 96	G96
651344	4076773	0.21395	203.5	813	0	ANNUAL	ALL	1	Grid Receptor 97	G97
651344	4076373	0.27754	205.6	220	0	ANNUAL	ALL	1	Grid Receptor 98	G98
651344	4075973	0.28039	205.8	269	0	ANNUAL	ALL	1	Grid Receptor 99	G99
649484.05	4077537.42	1.14105	254.01	257	0	ANNUAL	ALL	1	Boundary Perimeter 10	P10
649584.03	4077538.59	1.62899	235.3	259	0	ANNUAL	ALL	1	Boundary Perimeter 11	P11
649684.02	4077539.76	1.10829	221.29	259	0	ANNUAL	ALL	1	Boundary Perimeter 12	P12
649784	4077540.93	0.88238	222.37	260	0	ANNUAL	ALL	1	Boundary Perimeter 13	P13
649883.99	4077542.1	0.74637	233.6	259	0	ANNUAL	ALL	1	Boundary Perimeter 14	P14
649983.97	4077543.45	0.46249	249.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 15	P15
650083.94	4077545.65	0.23945	258.89	258.89	0	ANNUAL	ALL	1	Boundary Perimeter 16	P16
650183.91	4077547.85	0.21021	259.56	259.56	0	ANNUAL	ALL	1	Boundary Perimeter 17	P17
650283.87	4077550.05	0.19289	256.77	266	0	ANNUAL	ALL	1	Boundary Perimeter 18	P18
650383.84	4077552.25	0.23801	242.37	290	0	ANNUAL	ALL	1	Boundary Perimeter 19	P19
650483.81	4077554.45	0.20611	242.23	296	0	ANNUAL	ALL	1	Boundary Perimeter 20	P20
650583.78	4077556.65	0.11196	259.71	290	0	ANNUAL	ALL	1	Boundary Perimeter 21	P21
650683.75	4077558.85	0.11253	257.58	296	0	ANNUAL	ALL	1	Boundary Perimeter 22	P22
650776.81	4077553.84	0.069	267.9	296	0	ANNUAL	ALL	1	Boundary Perimeter 23	P23
650778.91	4077453.87	0.0631	275.91	275.91	0	ANNUAL	ALL	1	Boundary Perimeter 24	P24
650781	4077353.9	0.11599	265.73	281	0	ANNUAL	ALL	1	Boundary Perimeter 25	P25
650783.1	4077253.93	0.2231	251.08	282	0	ANNUAL	ALL	1	Boundary Perimeter 25 Boundary Perimeter 26	P25 P26
650785.19	4077153.96		252.83	282	0	ANNUAL	ALL	1	Boundary Perimeter 27	P26 P27
030/83.19	40//133.90	0.25579	232.83	281	U	AMMUAL	ALL	1	Boundary Ferimeter 27	Γ2/

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MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Υ	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
650787.29	4077053.99	0.36842	246.1	269	0	ANNUAL	ALL	1	Boundary Perimeter 28	P28	
650789.38	4076954.02	0.4743	241.37	269	0	ANNUAL	ALL	1	Boundary Perimeter 29	P29	
650791.48	4076854.05	0.52955	246.79	251	0	ANNUAL	ALL	1	Boundary Perimeter 30	P30	
650793.57	4076754.08	0.64855	228.75	264	0	ANNUAL	ALL	1	Boundary Perimeter 31	P31	
650754.39	4076683.11	0.73371	217.76	271	0	ANNUAL	ALL	1	Boundary Perimeter 32	P32	
650660.22	4076649.5	1.01821	221.2	273	0	ANNUAL	ALL	1	Boundary Perimeter 33	P33	
650561.43	4076649.99	1.46946	220.83	273	0	ANNUAL	ALL	1	Boundary Perimeter 34	P34	
650462.72	4076665.95	2.43429	223.42	273	0	ANNUAL	ALL	1	Boundary Perimeter 35	P35	
650364.01	4076681.9	3.67287	222.46	263	0	ANNUAL	ALL	1	Boundary Perimeter 36	P36	1
650264.24	4076683.08	3.92194	223.19	263	0	ANNUAL	ALL	1	Boundary Perimeter 37	P37	PMI
650164.71	4076674.46	3.71306	222.1	249	0	ANNUAL	ALL	1	Boundary Perimeter 38	P38	1 1011
650065.8	4076659.74	3.42186	217.03	264	0	ANNUAL	ALL	1	Boundary Perimeter 39	P39	
649980.44		3.31793	214.82	264	0	ANNUAL	ALL	1	•	P40	-
	4076626.71			264	0		ALL	1	Boundary Perimeter 40	P40 P41	
649920.26	4076547.41	2.73716	214.91			ANNUAL		-	Boundary Perimeter 41		-
649852.19	4076474.41	2.25047	214.09	266	0	ANNUAL	ALL	1	Boundary Perimeter 42	P42	
649770.68	4076416.8	1.73224	211.53	266	0	ANNUAL	ALL	1	Boundary Perimeter 43	P43	-
649680.48	4076374.63	1.53646	210.17	266	0	ANNUAL	ALL	1	Boundary Perimeter 44	P44	
649580.91	4076368.3	1.34497	208.52	264	0	ANNUAL	ALL	1	Boundary Perimeter 45	P45	
649482.48	4076383.73	1.14963	207.5	264	0	ANNUAL	ALL	1	Boundary Perimeter 46	P46	
649391.59	4076425.15	1.17903	205.17	264	0	ANNUAL	ALL	1	Boundary Perimeter 47	P47	
649303.5	4076472.31	1.17955	202.16	264	0	ANNUAL	ALL	1	Boundary Perimeter 48	P48	
649226.19	4076535.29	1.11819	196.38	264	0	ANNUAL	ALL	1	Boundary Perimeter 49	P49	
649156.2	4076605.17	1.26924	195.87	264	0	ANNUAL	ALL	1	Boundary Perimeter 50	P50	
649068.25	4076652.76	1.08374	196.32	264	0	ANNUAL	ALL	1	Boundary Perimeter 51	P51	
648986.7	4076710.52	0.97055	192.42	263	0	ANNUAL	ALL	1	Boundary Perimeter 52	P52	
648936.53	4076759.27	0.96786	192.46	250	0	ANNUAL	ALL	1	Boundary Perimeter 53	P53	
648868.58	4076832.5	1.00709	191.63	250	0	ANNUAL	ALL	1	Boundary Perimeter 54	P54	
648797.23	4076902.21	1.07179	186.32	250	0	ANNUAL	ALL	1	Boundary Perimeter 55	P55	
648710.56	4076951.69	0.88794	179.81	250	0	ANNUAL	ALL	1	Boundary Perimeter 56	P56	
648620.79	4076995.72	0.51479	176.23	250	0	ANNUAL	ALL	1	Boundary Perimeter 57	P57	
648607.19	4077051.27	0.64957	175.02	250	0	ANNUAL	ALL	1	Boundary Perimeter 58	P58	
648680.07	4077119.49	0.98456	180.62	250	0	ANNUAL	ALL	1	Boundary Perimeter 59	P59	
649084.12	4077532.21	0.59264	216.54	259	0	ANNUAL	ALL	1	Boundary Perimeter 6	P6	1
648759.24	4077180.33	0.57817	183.47	259	0	ANNUAL	ALL	1	Boundary Perimeter 60	P60	
648791.44	4077262.37	0.46649	202.88	245	0	ANNUAL	ALL	1	Boundary Perimeter 61	P61	1
648788.45	4077362.32	0.38778	178.21	259	0	ANNUAL	ALL	1	Boundary Perimeter 62	P62	
648691.25	4077361.04	0.38685	176.25	259	0	ANNUAL	ALL	1	Boundary Perimeter 63	P63	1
648591.35	4077356.85	0.39537	176	259	0	ANNUAL	ALL	1	Boundary Perimeter 64	P64	
648525.69	4077371.4	0.37931	175.24	245	0	ANNUAL	ALL	1	Boundary Perimeter 65	P65	
648586.93	4077430.21	0.35297	175.13	259	0	ANNUAL	ALL	1	Boundary Perimeter 66	P66	
649184.09	4077533.91	0.78339	230.71	259	0	ANNUAL	ALL	1	Boundary Perimeter 7	P7	
649284.08	4077535.08	0.90395	248.08	259	0	ANNUAL	ALL	1	Boundary Perimeter 8	P8	
649384.06	4077536.25	0.85247	258.43	258.43	0	ANNUAL	ALL	1	Boundary Perimeter 9	P9	
645930	4077982.6	0.0312	127.38	127.38	0	ANNUAL	ALL	1	New Development	RP G1	
646030	4077982.6	0.0312	131.21	131.21	0	ANNUAL	ALL	1	New Development	RP_G1	
040030	4011304.0	0.03310	131.41	131.41	U	AININUAL	ALL	1	Mew Development	KL_G1	1

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* FOR A TOTAL OF 284 RECEPTORS.

		13.3),3(1A,10.2),2A,A0,								
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
646130	4077982.6	0.03534	135.89	135.89	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4077982.6	0.03775	139.18	139.18	0	ANNUAL	ALL	1	New Development	RP G1
646330	4077982.6	0.0404	140.76	140.76	0	ANNUAL	ALL	1	New Development	RP G1
646430	4077982.6	0.04339	143.89	143.89	0	ANNUAL	ALL	1	New Development	RP G1
646530	4077982.6	0.04667	145.22	145.22	0	ANNUAL	ALL	1	New Development	RP G1
646630	4077982.6	0.05033	147.21	147.21	0	ANNUAL	ALL	1	New Development	RP G1
646730	4077982.6	0.05435	148.3	160	0	ANNUAL	ALL	1	New Development	RP G1
645930	4078082.6	0.03292	127.58	127.58	0	ANNUAL	ALL	1	New Development	RP G1
646030	4078082.6	0.03502	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP G1
646130	4078082.6	0.03736	134.35	134.35	0	ANNUAL	ALL	1	New Development	RP G1
646230	4078082.6	0.03997	139.22	139.22	0	ANNUAL	ALL	1	New Development	RP G1
646330	4078082.6	0.04289	144.65	144.65	0	ANNUAL	ALL	1	New Development	RP G1
646430	4078082.6	0.04586	142.28	142.28	0	ANNUAL	ALL	1	New Development	RP G1
646530	4078082.6	0.04934	146.76	146.76	0	ANNUAL	ALL	1	New Development	RP G1
646630	4078082.6	0.05316	150.64	150.64	0	ANNUAL	ALL	1	New Development	RP G1
646730	4078082.6	0.05744	155.4	157	0	ANNUAL	ALL	1	New Development	RP G1
645930	4078182.6	0.0346	127.22	127.22	0	ANNUAL	ALL	1	New Development	RP G1
					0			1	*	
646030	4078182.6	0.03682	130.56	130.56	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4078182.6	0.03926	133.89	133.89		ANNUAL	ALL		New Development	RP_G1
646230	4078182.6	0.042	140.45	140.45	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4078182.6	0.04504	146.94	146.94	0	ANNUAL	ALL	<u>-</u>	New Development	RP_G1
646430	4078182.6	0.04788	140.23	140.23	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4078182.6	0.05147	147.25	147.25	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4078182.6	0.05535	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP_G1
646730	4078182.6	0.05985	157.78	166	0	ANNUAL	ALL	1	New Development	RP_G1
645930	4078282.6	0.03614	126.06	126.06	0	ANNUAL	ALL	1	New Development	RP_G1
646030	4078282.6	0.03842	129.56	129.56	0	ANNUAL	ALL	1	New Development	RP_G1
646130	4078282.6	0.04089	132.89	132.89	0	ANNUAL	ALL	1	New Development	RP_G1
646230	4078282.6	0.04365	139.24	139.24	0	ANNUAL	ALL	1	New Development	RP_G1
646330	4078282.6	0.0466	142.68	142.68	0	ANNUAL	ALL	1	New Development	RP_G1
646430	4078282.6	0.04963	140.02	140.02	0	ANNUAL	ALL	1	New Development	RP_G1
646530	4078282.6	0.05335	147.22	147.22	0	ANNUAL	ALL	1	New Development	RP_G1
646630	4078282.6	0.05742	151.56	151.56	0	ANNUAL	ALL	1	New Development	RP_G1
646730	4078282.6	0.06212	156.78	166	0	ANNUAL	ALL	1	New Development	RP_G1
648659.32	4077241.2	0.55474	205.79	205.79	0	ANNUAL	ALL	1	House 1	RP_H1
648071.24	4076116.26	0.06856	169.6	240	0	ANNUAL	ALL	1	House 10	RP_H10
648247.37	4076278.08	0.08863	184.55	240	0	ANNUAL	ALL	1	House 11	RP_H11
648027.19	4076255.14	0.07016	169.38	240	0	ANNUAL	ALL	1	House 12	RP H12
648065.77	4076359.39	0.07696	173.83	240	0	ANNUAL	ALL	1	House 13	RP H13
648138.68	4076399.8	0.0841	178.22	240	0	ANNUAL	ALL	1	House 14	RP H14
648254.71	4076411.38	0.09692	191.28	240	0	ANNUAL	ALL	1	House 15	RP H15
647877.81	4076365.37	0.06525	165.39	240	0	ANNUAL	ALL	1	House 16	RP_H16
647520	4076206	0.04817	159	159	0	ANNUAL	ALL	1	House 17	RP H17
647921	4076247.13	0.06399	164	240	0	ANNUAL	ALL	1	House 18	RP H18
	TU/U4T/.13	0.00377	107	270	U	MINIOAL	ALL	1	110030 10	1/1 1110

09/01/21

* AERMET (19191): 2019

09:36:45

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 284 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
648371.71	4075470.41	0.06149	173.69	227	0	ANNUAL	ALL	1	House 2	RP H2
647703.58	4076251.07	0.05509	162.17	162.17	0	ANNUAL	ALL	1	House 20	RP H20
647718.77	4076103.98	0.05141	159.35	159.35	0	ANNUAL	ALL	1	House 21	RP H21
647843.32	4076124.94	0.05697	163	234	0	ANNUAL	ALL	1	House 22	RP H22
647842.26	4076500.39	0.06264	167.93	167.93	0	ANNUAL	ALL	1	House 23	RP H23
647727.75	4076644.22	0.05701	164.15	164.15	0	ANNUAL	ALL	1	House 24	RP H24
647823.91	4076643.73	0.06229	168.29	168.29	0	ANNUAL	ALL	1	House 25	RP_H25
647530	4076497	0.04729	159.56	159.56	0	ANNUAL	ALL	1	House 26	RP H26
647810.11	4076853.73	0.06366	162.9	162.9	0	ANNUAL	ALL	1	House 27	RP H27
647697.48	4076989.26	0.0601	161.42	162	0	ANNUAL	ALL	1	House 28	RP H28
648225.5	4076181.52	0.08277	183.22	240	0	ANNUAL	ALL	1	House 29	RP H29
647678.23	4075969.18	0.04816	159.5	159.5	0	ANNUAL	ALL	1	House 3	RP_H3
645876.32	4077487.41	0.0213	127.13	142	0	ANNUAL	ALL	1	House 30	RP H30
650902	4076062	0.48653	215.24	287	0	ANNUAL	ALL	1	House 31	RP H31
651490	4076597	0.21179	205.5	813	0	ANNUAL	ALL	1	House 32	RP H32
651565	4077067	0.14102	213.93	813	0	ANNUAL	ALL	1	House 33	RP_H33
648672.77	4075306.77	0.07824	225.91	227	0	ANNUAL	ALL	1	House 34	RP_H34
648383.6	4075469.08	0.06215	174.44	227	0	ANNUAL	ALL	1	House 35	RP H35
646379.37	4077232.58	0.02483	146	146	0	ANNUAL	ALL	1	House 36	RP H36
651849.72	4075865.15	0.17205	201.97	333	0	ANNUAL	ALL	1	House 37	RP H37
652045.49	4076210.24	0.13751	196.88	813	0	ANNUAL	ALL	1	House 38	RP H38
652255.69	4076390.67	0.11268	197.06	813	0	ANNUAL	ALL	1	House 39	RP H39
647815.25	4075985.43	0.05337	162.04	162.04	0	ANNUAL	ALL	1	House 4	RP H4
646853.73	4077372.88	0.0373	145.99	145.99	0	ANNUAL	ALL	1	House 40	RP H40
647050.21	4077359.57	0.04348	145	145	0	ANNUAL	ALL	1	House 41	RP_H41
647286.42	4077474.4	0.0625	149.68	153	0	ANNUAL	ALL	1	House 42	RP H42
647359.05	4077339.84	0.05761	154.45	159	0	ANNUAL	ALL	1	House 43	RP H43
647490.41	4077328.53	0.06594	162.28	162.28	0	ANNUAL	ALL	1	House 44	RP H44
647522.17	4077251.76	0.06181	164.3	164.3	0	ANNUAL	ALL	1	House 45	RP H45
647517.82	4077138.85	0.05572	164.01	164.01	0	ANNUAL	ALL	1	House 46	RP H46
646819.01	4077258.4	0.03287	151.53	152	0	ANNUAL	ALL	1	House 47	RP H47
646778.72	4077127.63	0.03139	158.51	158.51	0	ANNUAL	ALL	1	House 48	RP H48
646987.26	4077213.1	0.03639	146.44	146.44	0	ANNUAL	ALL	1	House 49	RP H49
647898.2	4076032.8	0.0577	163.83	237	0	ANNUAL	ALL	1	House 5	RP H5
647241.77	4077226.51	0.04517	154.85	154.85	0	ANNUAL	ALL	1	House 50	RP H50
646773.05	4077063.03	0.03059	159	159	0	ANNUAL	ALL	1	House 51	RP H51
647104.37	4077117.93	0.03875	148.99	148.99	0	ANNUAL	ALL	1	House 52	RP H52
647291.9	4077123.08	0.04506	158.62	158.62	0	ANNUAL	ALL	1	House 53	RP H53
646765.24	4076977.94	0.02885	158.67	158.67	0	ANNUAL	ALL	1	House 54	RP H54
646995.65	4076983.8	0.0334	152.34	152.34	0	ANNUAL	ALL	1	House 55	RP H55
647317.21	4077030.98	0.04387	160.22	160.22	0	ANNUAL	ALL	1	House 56	RP H56
647398.39	4077013.06	0.04635	161.26	161.26	0	ANNUAL	ALL	1	House 57	RP_H57
646978.93	4076903.58	0.03152	156.81	156.81	0	ANNUAL	ALL	1	House 58	RP H58
647015.19	4076807.16	0.0319	156.21	156.21	0	ANNUAL	ALL	1	House 59	RP H59
648045.44	4076017.78	0.06383	168.26	240	0	ANNUAL	ALL	1	House 6	RP_H6
040043.44	70/001/./0	0.00363	100.20	240	U	AININUAL	ALL	1	House o	KI _110

09/01/21

* AERMET (19191): 2019

09:36:45

- *MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
647163.96	4076802.21	0.03543	154.38	154.38	0	ANNUAL	ALL	1		House 60	RP_H60
647310.58	4076940.38	0.04108	162.49	162.49	0	ANNUAL	ALL	1		House 61	RP_H61
647298.09	4076805.15	0.0393	158	158	0	ANNUAL	ALL	1		House 62	RP_H62
647446.56	4076899.85	0.04484	159.45	159.45	0	ANNUAL	ALL	1		House 63	RP_H63
647464.49	4076780.74	0.04555	159.32	159.32	0	ANNUAL	ALL	1		House 64	RP_H64
647512	4076536	0.04661	159	159	0	ANNUAL	ALL	1		House 65	RP_H65
651131	4078767	0.03603	179.58	830	0	ANNUAL	ALL	1		House 66	RP_H66
647131	4077336	0.04546	146.77	146.77	0	ANNUAL	ALL	1		House 67	RP_H67
646798	4076740	0.02847	156.07	156.07	0	ANNUAL	ALL	1		House 68	RP_H68
646900	4076802	0.02969	159	159	0	ANNUAL	ALL	1		House 69	RP_H69
648126.33	4075955.37	0.06467	171.51	240	0	ANNUAL	ALL	1		House 7	RP_H7
647317	4076662	0.04186	159.9	159.9	0	ANNUAL	ALL	1		House 70	RP_H70
648249.26	4075969.84	0.07245	183.42	240	0	ANNUAL	ALL	1		House 8	RP_H8
648218.58	4076108.95	0.07913	182.28	240	0	ANNUAL	ALL	1		House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

09/01/21

* AERMET (21112): 2020

08:38:24

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

64998 6478908	X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
64901.65 407719.83 0.01819 105.68 105.68 0. ANNUAL ALL 1 Dunne Park CR. PK 642170.905 407944.5817 0.01423 85.12 85.12 0. ANNUAL ALL 1 Vitas Park Hill Park CR. PK 642170.905 407944.5813 0.01511 117.99 117.99 0. ANNUAL ALL 1 Vitas Park Hill Park CR. PK 642173.1142 4079552.79 0.02935 106.44 0. ANNUAL ALL 1 Las Brissas Park CR. PK 64505.808 407854.2177 0.04436 112.86 0. ANNUAL ALL 1 Fronk Klauer Memorial Park CR. PK 645218.034 4078555.997 0.02233 134.61 134.61 0. ANNUAL ALL 1 Park 6 CR. PK 645218.034 4077555.997 0.02233 134.61 134.61 0. ANNUAL ALL 1 Park 6 CR. PK 645931.689 4079542.461 0.04543 159.06 318 0. ANNUAL ALL 1 Park 6 CR. PK 645931.689 407942.461 0.04543 159.06 318 0. ANNUAL ALL 1 Park 6 CR. PK 6. 645931.689 407942.461 0.04543 159.06 318 0. ANNUAL ALL 1 Park 6 CR. PK 6. 645931.689 407942.461 0.04543 159.06 318 0. ANNUAL ALL 1 San Administration CR. Sci. I 64406.893 407941.698 0.01788 123 31 0. ANNUAL ALL 1 San Administration CR. Sci. I 64406.893 407941.698 0.01788 123 313 0. ANNUAL ALL 1 San Administration CR. Sci. I 64406.899 4075575 0.04291 128.52 0. ANNUAL ALL 1 Rancho Santasion CR. Sci. I 64406.899 4075575 0.04291 128.52 0. ANNUAL ALL 1 Rancho Santasion CR. Sci. I 64406.899 4075575 0.04291 128.52 0. ANNUAL ALL 1 Rancho San Jason Middle School CR. Sci. I 64406.899 4075475 0.04291 128.52 0. ANNUAL ALL 1 Bullister Memorial Sci. School CR. Sci. I 64406.899 4075475 0.04291 101.23 0. ANNUAL ALL 1 Rancho San Jason Middle School CR. Sci. I 64409.899 4075475 0.04291 101.23 0. ANNUAL ALL 1 Rancho San Jason Middle School CR. Sci. I 64409.899 4075475 0.04291 101.23 0. ANNUAL ALL 1 Rancho San Jason Middle School CR. Sci. I 64409.899 4075475 0.04291 101.23 0. ANNUAL ALL	645996	4078698	0.05290	123.85	123.85	0	ANNUAL	ALL	1		AQ Monitoring Station	AQ ST 1	
642179.095 4079949.513 0.01511 117.99 117.99 0 ANNIAL ALL 1 Las Brisss Park CR, PK 2 64733.142 407855.277 0.04436 112.86 112.86 0 ANNIAL ALL 1 Las Brisss Park CR, PK 3 64508.808 407885.4277 0.04436 112.86 112.86 0 ANNIAL ALL 1 Frank Klauer Memorial Park CR, PK 4 64238.054 407885.097 0.02273 134.61 134.61 0 ANNIAL ALL 1 Park 6 CR, PK 6 64531.476 407655.997 0.02273 134.61 134.61 0 ANNIAL ALL 1 Park 7 CR, PK 6 64531.41 4077180.55 0.02526 133 133 0 ANNIAL ALL 1 San Andreas Continuous CR, SC 1 64580.678 4073424.461 0.05453 159.96 318 0 ANNIAL ALL 1 San Andreas Continuous CR, SC 1 64580.678 4074014.898 0.01758 123 313 0 ANNIAL ALL 1 San Andreas Continuous CR, SC 1 646850.678 4074014.898 0.01758 123 313 0 ANNIAL ALL 1 SouthSide School CR, SC 1 64680.893 407844.2 0.05157 128.52 128.32 0 ANNIAL ALL 1 Rancho Santama School CR, SC 1 64680.893 407844.2 0.05157 128.52 128.32 0 ANNIAL ALL 1 Rancho Santama School CR, SC 1 64680.693 407844.2 0.05157 128.52 128.32 0 ANNIAL ALL 1 Rancho Santama School CR, SC 1 64680.604 407410.6 0.04550 159 240 0 ANNIAL ALL 1 Tree Pimos Union Elementary School CR, SC 1 64590.002 4075838.69 0.02240 9 9 9 0 ANNIAL ALL 1 Tree Pimos Union Elementary School CR, SC 1 64590.002 407734.02 0.01622 88 88 0 ANNIAL ALL 1 Brancho Santama School CR, SC 3 64590.002 407743.02 0.01622 88 88 0 ANNIAL ALL 1 Brancho Santama School CR, SC 6 64590.00 407743.02 0.01622 88 88 0 ANNIAL ALL 1 Brancho Santama School CR, SC 6 64590.00 407743.02 0.01622 88 88 0 ANNIAL ALL 1 Brancho Santama School CR, SC 6 64590.00 407743.02 0.01623 88 88 0 ANNIAL ALL 1 Brancho Santama School CR, SC 6 64590.00 407743.02 0.01623 88 88 0 ANNIAL ALL 1 Brancho Santama School CR, S	643903.65		0.01819	105.68	105.68	0	ANNUAL	ALL	1			CR HP 1	
644731.412 4078782.702 0.02935 10.644 10.644 0.6.ANNIAL ALL Las brisas Park CR, PK, 3	642056.782	4079415.687	0.01423	85.12	85.12	0	ANNUAL	ALL	1		Dunne Park	CR PK 1	
64508.98 4078842.77	642179.095	4079949.513	0.01511	117.99	117.99	0	ANNUAL	ALL	1		Vista Park Hill Park	CR PK 2	
64436.054 d078806.978 0.02469 95.25 95.25 0 ANNUAL ALL 1 Veteran Memorial Park CR PK. 5 64531.476 0.07658.997 0.02273 134.61 134.61 0 ANNUAL ALL 1 Park 6 CR PK. 6 64981.689 d073424.661 0.05433 159.96 318 0 ANNUAL ALL 1 Park 7 CR PK. 6 64981.689 d073424.661 0.05433 159.96 318 0 ANNUAL ALL 1 Park 7 CR PK. 7 64764.712 d077810.55 0.02526 133 133 0 ANNUAL ALL 1 San Andreas Continuation CR SC. 1 64206.712 d079854.526 0.01861 86 86 0 ANNUAL ALL 1 San Andreas Continuation CR SC. 10 64206.707 d07816.206 0.01166 91 91 0 ANNUAL ALL 1 School 12 CR SC. 10 64216.679 d07816.206 0.01166 91 91 0 ANNUAL ALL 1 School 12 CR SC. 12 64058.93 d078157.50 0.00251 158 158 0 ANNUAL ALL 1 Rancho Santama School CR SC. 13 640658.93 d07845.20 0.05171 128.52 128.52 0 ANNUAL ALL 1 Tes Pinos Union Elementary School CR SC. 14 648466 4074106 0.04550 159 240 ANNUAL ALL 1 Tes Pinos Union Elementary School CR SC. 15 644109.6 d078506 0.04550 159 240 ANNUAL ALL 1 Tes Pinos Union Elementary School CR SC. 3 64920.12 d077804.0 0.01740 1012.3 1012.3 0 ANNUAL ALL 1 Sunnyslope Elem School CR SC. 3 64920.12 d077804.0 0.01740 1012.3 1012.3 0 ANNUAL ALL 1 Sunnyslope Elem School CR SC. 3 64980.02 d077804.0 0.01740 1012.3 1012.3 0 ANNUAL ALL 1 Bollister Memberson School CR SC. 5 641630.17 d079783.0 0.0262 88 88 0 ANNUAL ALL 1 Bollister Prey School CR SC. 6 643606.0 0.0450 0.0	644733.142	4078752.702	0.02935	106.44	106.44	0	ANNUAL	ALL	1		Las Brisas Park	CR PK 3	
64591.476	645608.808	4078854.277	0.04436	112.86	112.86	0	ANNUAL	ALL	1		Frank Klauer Memorial Park	CR PK 4	
64981.699 4073424.461 0.05453 159.96 318 0 ANNUAL ALL 1 Park 7 CR PK, 7	644238.054	4078806.978	0.02469	95.25	95.25	0	ANNUAL	ALL	1		Veterans Memorial Park	CR PK 5	
64514.51.1 4077180.55 0.0226 133 133 0 ANNUAL ALL 1 Cerra Vista Elem School CR, SC, 10 62904.712 4077814.898 0.01758 123 313 0 ANNUAL ALL 1 Sun Andreas Continuation CR, SC, 10 64580.678 4074014.898 0.01758 123 313 0 ANNUAL ALL 1 South\$ide School CR, SC, 11 6469.893 407844.32 0.05171 128.52 128.52 0 ANNUAL ALL 1 Rancho Santana School CR, SC, 12 6469.893 407844.32 0.05171 128.52 128.52 0 ANNUAL ALL 1 Future School CR, SC, 13 64640.64 4074106 0.04550 159 240 0 ANNUAL ALL 1 Tree Pinos Union Elementary School CR, SC, 15 64440.66 4074106 0.04550 159 240 0 ANNUAL ALL 1 Tree Pinos Union Elementary School CR, SC, 15 64409.66 407810.60 0.01540 101.23 101.23 0 ANNUAL ALL 1 Hollister Montessori School CR, SC, 15 644309.61 4077340.04 0.01740 101.23 101.23 0 ANNUAL ALL 1 Hollister Montessori School CR, SC, 2 64399.01 407840.80 407843.80 0.00634 92 92 9 ANNUAL ALL 1 Rancho Santana School CR, SC, 3 64399.01 407943.02 0.02632 88 88 0 ANNUAL ALL 1 Marguerite Maze Middle School CR, SC, 6 644309.03 407943.03 0.00633 87 87 ANNUAL ALL 1 Hollister Prep School CR, SC, 6 644309.03 4077181.17 0.01431 9.82.2 98.22 0 ANNUAL ALL 1 Hollister Prep School CR, SC, 6 644309.04 407943.02 0.02632 88 88 0 ANNUAL ALL 1 Hollister Prep School CR, SC, 6 644309.04 407943.05 0.00633 87 87 ANNUAL ALL 1 Gabilan Hills Elementary School CR, SC, 6 644309.05 407943.06 0.00237 90.17 90.17 0.01411 9.822 9.822 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR, SC, 7 644002.96 407943.00 407943.	645311.476	4076558.997	0.02273	134.61	134.61	0	ANNUAL	ALL	1		Park 6	CR_PK_6	
642904.712 4079954.526 0.01861 86	649581.689	4073424.461	0.05453	159.96	318	0	ANNUAL	ALL	1		Park 7	CR_PK_7	
64586,078 4074014,898 0.01758 123 313 0 ANNUAL ALL 1 SouthSide School CR SC 12 6402105,679 4078176,200 0.01166 91 91 0 ANNUAL ALL 1 School 2 CR SC 12 64038,933 4078443,2 0.05171 128.52 128.52 0 ANNUAL ALL 1 Rancho Santana School CR SC 13 64169 4075575 0.04291 158 158 0 ANNUAL ALL 1 Tres Finos Union Elementary School CR SC 14 64169 4075878,8 0.04250 98.2 98.2 0 ANNUAL ALL 1 Tres Finos Union Elementary School CR SC 15 64169.6 4078388,6 0.02240 98.2 98.2 0 ANNUAL ALL 1 Hollister Montessories School CR SC 15 64390.12 4077304,0 0.0123 10123 10123 0 ANNUAL ALL 1 Hollister Montessories School CR SC 3 64390.10 4078033 0.01634 92 92 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 3 64390.10 4079153 0.01255 88 88 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 6 643390.10 4079153 0.01255 88 85 0 ANNUAL ALL 1 Hollister Prep School CR SC 6 643390.10 4079153 0.01255 87 87 0 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 6 642244.854 4078973.652 0.01425 87.58 127 0 ANNUAL ALL 1 San Benito High School CR SC 8 642244.854 4078973.652 0.01425 87.58 127 0 ANNUAL ALL 1 San Benito High School CR SC 8 6423844 4079738 0.51371 189.45 259 0 ANNUAL ALL 1 Jovense De Antano CR SC 8 643844 4079773 0.03646 160 160 0 ANNUAL ALL 1 Grid Receptor 10 Gl 641744 4079173 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 Gl 641844 4079773 0.03646 160 160 ANNUAL ALL 1 Grid Receptor 11 Gl 641844 4079773 0.05446 159 159 0 ANNUAL ALL 1 Grid Receptor 12 Gl 641844 4079773 0.03646 160 160 ANNUAL ALL 1 Grid Receptor 15 Gl 641844 4079773 0.03646 160 178 240 0 ANNUAL ALL 1 Grid Receptor 15 Gl 6	645145.11	4077180.55	0.02526	133	133	0	ANNUAL	ALL	1		Cerra Vista Elem School	CR SC 1	
642106.679 4078176.206 0.01166 91 91 0 ANNUAL ALL 1 Rancho Stantan School CR SC 1.2	642904.712	4079954.526	0.01861	86	86	0	ANNUAL	ALL	1		San Andreas Continuation	CR_SC_10	
647689.33 407844.12 0.05171 128.52 128.52 0 ANNUAL AIL 1 Rancho Santana School CR. SC. 13 School 6438.66 407410.6 0.04550 1.59 240 0 ANNUAL AIL 1 Tres Pinos Union Elementary School CR. SC. 14 School 6438.66 407410.6 0.04550 0.0240 98.2 98.2 0 ANNUAL AIL 1 Tres Pinos Union Elementary School CR. SC. 15 64490.12 4077304.04 0.01740 101.23 101.23 0 ANNUAL AIL 1 Bullister Morteson School CR. SC. 2 64390.12 4077304.04 0.01740 101.23 101.23 0 ANNUAL AIL 1 Bullister Morteson School CR. SC. 3 64396.107 40786.083 0.01634 92 92 0 ANNUAL AIL 1 Bullister Prep School CR. SC. 4 64390.107 407913.0 0.02622 88 88 0 ANNUAL AIL 1 Bullister Prep School CR. SC. 5 64163.017 407915.3 0.01285 85 85 0 ANNUAL AIL 1 Bullister Prep School CR. SC. 6 64350.01 407915.3 0.01285 85 85 0 ANNUAL AIL 1 Bullister Prep School CR. SC. 6 64350.01 407915.3 0.01285 85 85 0 ANNUAL AIL 1 Bullister Prep School CR. SC. 7 64400.26 4088078.78 0.02331 87 87 0 ANNUAL AIL 1 Gabilan Hills Elementary School CR. SC. 7 644024.85 4078412.96 0.01237 9.017 90.17 90.17 0 ANNUAL AIL 1 San Bentio High School CR. SC. 8 64204.84 407939.3652 0.01425 87.58 127 0 ANNUAL AIL 1 Jovenes De Antano CR. SR. 1 648404 4079793.8 0.51371 189.45 259 0 ANNUAL AIL 1 Nearest Workplace CR. WP. 1 648404 4079793 0.05406 160 160 0 ANNUAL AIL 1 Grid Receptor 10 Gilo 641744 4079573 0.05466 160 160 0 ANNUAL AIL 1 Grid Receptor 10 Gilo 641844 4078773 0.05466 160 160 0 ANNUAL AIL 1 Grid Receptor 10 Gilo 641844 4079773 0.05465 155.2 155.2 0 ANNUAL AIL 1 Grid Receptor 10 Gilo 641844 4079773 0.05465 159.6 0 ANNUAL AIL 1 Grid Receptor 10 Gilo 641844 4079773 0.05405 159.6 0 ANNUAL AIL 1 Grid Receptor 10 Gilo 64	645850.678	4074014.898	0.01758	123	313	0	ANNUAL	ALL	1		SouthSide School	CR SC 11	
643269 4075575 0.04291 158 158 0 ANNUAL ALL 1 Tres Pinos Union Elementary School CR SC 14	642105.679	4078176.206	0.01166	91	91	0	ANNUAL	ALL	1		School 12	CR SC 12	
648466 4074106 0.04550 159 240 0 ANNUAL ALL 1 Tree Pinos Union Elementary School CR SC 2 644109.6 4078388.69 0.02240 98.2 98.2 0 ANNUAL ALL 1 Sumyslope Elem School CR SC 2 64390.12 4077304.04 0.01740 101.23 101.23 0 ANNUAL ALL 1 Hollister Montressori School CR SC 3 64396.107 407860.83 0.01634 92 92 0 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 5 641630.17 407913.0 0.02632 88 88 0 ANNUAL ALL 1 Marguerite Marez Middle School CR SC 5 641630.17 407913.0 0.01431 98.22 98.22 0 ANNUAL ALL 1 Hollister Pep Schoo CR SC 5 641630.17 407913.0 0.01431 98.22 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 6 64330.0 407181.17 0.01431 98.22 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 6 64244.858 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 8 64244.858 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 9 64264.858 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 9 64244.858 4078472.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 Workplace CR WP 1 64602 4076879.07 0.03892 146.33 153 0 ANNUAL ALL 1 Workplace CR WP 1 64744 4079173 0.15072 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 Gil 647744 4079173 0.15072 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 Gil 648144 4078773 0.03646 160 160 0 ANNUAL ALL 1 Grid Receptor 1 Gil 648144 4078773 0.20444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 1 Gil 648144 4078773 0.24345 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 Gil 648144 4078773 0.24345 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 Gil 648144 4078773 0.14822 177.1 240 0 ANNUAL ALL 1 Grid Receptor 1	646058.93	4078443.2	0.05171	128.52	128.52	0	ANNUAL	ALL	1		Rancho Santana School	CR_SC_13	School 1
644109.6 4078388.69 0.02240 98.2 98.2 0 ANNUAL ALL 1 Bumyslope Elem School CR SC 2 64392.01 4077304.04 0.01740 101.23 101.23 0 ANNUAL ALL 1 Hollister Montessori School CR SC 3 64396.07 4078620.83 0.01634 92 92 0 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 4 64398.02 4079743.02 0.02632 88 88 8 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 5 641630.17 4079153 0.01285 85 85 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 6 64350.03 4077181.17 0.01431 98.22 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 7 64302.96 4080078.78 0.02831 87 87 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 7 64202.96 4080078.78 0.02831 87 87 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 8 64208.44858 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 9 64208.44858 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 Son Benito High School CR SC 1 648949 40797938.8 0.51371 189.45 259 0 ANNUAL ALL 1 Workplace CR WP 2 647744 4079173 0.15072 155.2 155.2 0 ANNUAL ALL 1 Workplace CR WP 2 647744 4075573 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4075573 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4079173 0.15633 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078773 0.23493 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 0.24445 158.3 181 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 0.24445 158.3 181 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078773 0.24454 158.3 181 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4078773 0.24454 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4078773 0.2445 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 0.24545 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4078773 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4078773 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G16 648144 4078773 0.24545 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4078773 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G16 648144 4078773 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Rec	647269	4075575	0.04291	158	158	0	ANNUAL	ALL	1		Future School	CR SC 14	School 2
644109.6 4078388.69 0.02240 98.2 98.2 0 ANNUAL ALL 1 Bumyslope Elem School CR SC 2 64392.01 4077304.04 0.01740 101.23 101.23 0 ANNUAL ALL 1 Hollister Montessori School CR SC 3 64396.07 4078620.83 0.01634 92 92 0 ANNUAL ALL 1 Rancho San Justo Middle School CR SC 4 64398.02 4079743.02 0.02632 88 88 8 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 5 641630.17 4079153 0.01285 85 85 0 ANNUAL ALL 1 Marguerite Maze Middle School CR SC 6 64350.03 4077181.17 0.01431 98.22 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 7 64302.96 4080078.78 0.02831 87 87 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 7 64202.96 4080078.78 0.02831 87 87 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 8 64208.44858 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 9 64208.44858 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 Son Benito High School CR SC 1 648949 40797938.8 0.51371 189.45 259 0 ANNUAL ALL 1 Workplace CR WP 2 647744 4079173 0.15072 155.2 155.2 0 ANNUAL ALL 1 Workplace CR WP 2 647744 4075573 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4075573 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4079173 0.15633 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078773 0.23493 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 0.24445 158.3 181 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078773 0.2445 158.3 181 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.2445 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4078773 0.2445 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 0.2445 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 0.24545 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077973 0.24545 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G16 648144 4077973 0.24545 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G16 648144 4077973 0.24545 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G16 648144 4077973 0.24545 158.3 181 0 ANNUAL ALL 1 Grid Receptor 15 G16 648144 4077973 0.2532 157.3 175.4 175.4 0 ANNUAL ALL 1 Grid	648466	4074106	0.04550	159	240	0	ANNUAL	ALL	1		Tres Pinos Union Elementary School	CR SC 15	
64398.0.2 407943.02 0.02632 88 88 0 ANNUAL ALL 1 Margurite Maze Middle School CR SC 5 64398.0.2 407943.02 0.02632 88 88 0 ANNUAL ALL 1 Margurite Maze Middle School CR SC 5 64398.0.2 407943.02 0.02632 85 85 85 0 ANNUAL ALL 1 Hollister Prep Schoo CR SC 6 643350.03 4077181.17 0.01431 98.22 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 7 64302.09 4080078.78 0.02831 87 87 0 ANNUAL ALL 1 Gabian Hills Elementary School CR SC 8 64224.858 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 8 64224.858 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 8 64208.3447 4079793.652 0.01425 87.58 127 0 ANNUAL ALL 1 Workplace CR WP 1 64602 4076879.07 0.03892 146.33 153 0 ANNUAL ALL 1 Nearest Workplace CR WP 2 64794 40797938 0.51371 189.45 259 0 ANNUAL ALL 1 Nearest Workplace CR WP 2 64794 40797938 0.51371 189.45 259 0 ANNUAL ALL 1 Grid Receptor 1 GI 647744 4079173 0.15072 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 10 GI 0 651344 4075573 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 GI 0 661844 4075733 0.0503 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 10 GI 0 661844 4079773 0.15633 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 1 GI 1 648144 4079773 0.20444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 1 GI 1 648144 4079773 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 GI 1 648144 4079773 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 GI 2 648144 4079773 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 GI 2 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 GI 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 GI 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 GI 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 GI 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 GI 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 GI 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 GI 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 1 GI 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1	644109.6	4078388.69	0.02240	98.2	98.2	0	ANNUAL	ALL	1			CR_SC_2	
64398.0.2 4079743.02 0.02632 88 88 0 ANUAL ALL 1 Marguerite Maze Middle School CR SC 5 64398.0.2 4079743.02 0.02632 88 88 0 ANUAL ALL 1 Marguerite Maze Middle School CR SC 5 641630.17 4079153 0.01285 85 85 85 0 ANUAL ALL 1 Hollister Prey School CR SC 6 643350.03 4077181.17 0.01431 98.22 98.22 0 ANUAL ALL 1 Ladd Lane Elementary School CR SC 6 643350.03 4077181.17 0.01431 98.22 98.22 0 ANUAL ALL 1 Gablian Hills Elementary School CR SC 8 642024.858 4078412.696 0.01237 90.17 90.17 0 ANUAL ALL 1 Gablian Hills Elementary School CR SC 8 64224.858 4078412.696 0.01237 90.17 90.17 0 ANUAL ALL 1 San Benito High School CR SC 8 64208.3447 4079793.652 0.01425 87.58 127 0 ANUAL ALL 1 Jovenes De Antano CR SC 9 64208.3447 4079793.652 0.01425 87.58 127 0 ANUAL ALL 1 Workplace CR WP 1 648949 4077938 0.51371 189.45 259 0 ANUAL ALL 1 Nearest Workplace CR WP 1 648744 4079173 0.15072 155.2 155.2 0 ANUAL ALL 1 Grid Receptor 1 GI 647744 4079173 0.15072 155.2 155.2 0 ANUAL ALL 1 Grid Receptor 10 GI0 651344 4075573 0.05466 160 160 0 ANUAL ALL 1 Grid Receptor 10 GI0 6618144 4079173 0.15633 165.9 165.9 0 ANUAL ALL 1 Grid Receptor 11 GI1 648144 4079773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 11 GI1 648144 4079773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 13 GI3 648144 4079773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 14 GI4 648144 4078773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 15 GI5 648144 4077773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 15 GI5 648144 4077773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 15 GI5 648144 4077773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 15 GI5 648144 4077773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 15 GI5 648144 4077773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 15 GI5 648144 4077773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 15 GI5 648144 4077773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 15 GI5 648144 4077773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 15 GI5 648144 4077773 0.24245 158.3 181 0 ANUAL ALL 1 Grid Receptor 15 GI5 648144 4077873 0.24245 158.3 181 0 A	643920.12	4077304.04	0.01740	101.23	101.23	0	ANNUAL	ALL	1		Hollister Montessori School	CR SC 3	
64130.17 4079153 0.01285 85 85 0 ANNUAL ALL 1 Hollister Prep Schoo CR SC 6 643350.03 4077181.17 0.01431 98.22 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 7 644002.96 4080078.78 0.02831 87 87 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 7 64202.96 4080078.78 0.02831 87 87 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR SC 7 6 64204.4858 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 9 64224.4858 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 9 9 642083.447 4079793.652 0.01425 87.58 127 0 ANNUAL ALL 1 Workplace CR WP 1 646402 4076879.07 0.03892 146.33 153 0 ANNUAL ALL 1 Workplace CR WP 1 648949 40779738 0.51371 189.45 259 0 ANNUAL ALL 1 Nearest Workplace CR WP 2 647744 4079173 0.15072 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 G1 647744 4079573 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 647744 4075573 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4079573 0.05466 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4078733 0.20444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078733 0.23393 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078733 0.23393 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4078733 0.23493 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4078733 0.23493 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077573 0.26332 177.1 240 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076733 0.19974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076733 0.19974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 648144 4076733 0.19974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076733 0.19974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 648144 4076733 0.19974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 648144 4076733 0.19978 1455.4 155.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4077573 0.27244 145.4 145.4 0	642961.07	4078620.83	0.01634	92	92	0	ANNUAL	ALL	1		Rancho San Justo Middle School		
643350.03 4077181.17 0.01431 98.22 98.22 0 ANNUAL ALL 1 Ladd Lane Elementary School CR SC 7 64002.96 4080078.78 0.02831 87 87 0 ANNUAL ALL 1 Gablian Hills Elementary School CR SC 9 642044.888 4078412.696 0.01237 90.17 90.17 0 ANNUAL ALL 1 San Benito High School CR SC 9 642083.447 4079793.652 0.01425 87.58 127 0 ANNUAL ALL 1 Jovenes De Antano CR SR 1 646402 4076879.07 0.03892 146.33 153 0 ANNUAL ALL 1 Nearest Workplace CR WP 1 648949 4077938 0.51371 189.45 259 0 ANNUAL ALL 1 Nearest Workplace CR WP 2 647744 4079173 0.15072 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 GI 647744 4075573 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 GI0 648144 407573 0.3503 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 10 GI0 648144 4078773 0.20444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 11 GI1 648144 4078773 0.22444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 GI2 648144 4077973 0.22445 158.3 181 0 ANNUAL ALL 1 Grid Receptor 13 GI3 648144 4077773 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 14 GI4 648144 4077773 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 GI5 648144 4077773 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 GI5 648144 4077773 0.14822 177.1 240 0 ANNUAL ALL 1 Grid Receptor 16 GI6 648144 4076773 0.14822 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 GI7 648144 4075773 0.16908 178 240 0 ANNUAL ALL 1 Grid Receptor 19 GI9 648144 4075773 0.14822 177.1 240 0 ANNUAL ALL 1 Grid Receptor 19 GI9 648144 4075773 0.1781 145.4 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 19 GI9 648144 4075773 0.1781 178.5 191 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4077773 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Recepto	643980.02	4079743.02	0.02632	88	88	0	ANNUAL	ALL	1		Marguerite Maze Middle School	CR_SC_5	
G4204.858 407847.8 40281.8 87 87 0 ANNUAL ALL 1 Gabilan Hills Elementary School CR_SC_8	641630.17	4079153	0.01285	85	85	0	ANNUAL	ALL	1		Hollister Prep Schoo	CR SC 6	
64204.858 407847.8 4078773 4078773 4078773 4078773 407878.2 407874.2 4078773	643350.03	4077181.17	0.01431	98.22	98.22	0	ANNUAL	ALL	1		Ladd Lane Elementary School	CR SC 7	
642083.447 4079793.652 0.01425 87.58 127 0 ANNUAL ALL 1 Jovenes De Antano CR SR I 646402 4076879.07 0.03892 146.33 153 0 ANNUAL ALL 1 Workplace CR WP 2 648949 4077938 0.51371 189.45 259 0 ANNUAL ALL 1 Nearest Workplace CR WP 2 647744 4079173 0.15072 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 GI 647744 4075573 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 GI0 648144 4075573 0.05663 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 10 GI0 648144 4078773 0.20444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 GI2 648144 4078773 0.22425 15	644002.96	4080078.78	0.02831	87	87	0	ANNUAL	ALL	1		Gabilan Hills Elementary School		
646402 4076879.07 0.03892 146.33 153 0 ANNUAL ALL 1 Workplace CR_WP_1	642244.858	4078412.696	0.01237	90.17	90.17	0		ALL	1		San Benito High School	CR_SC_9	
646402 4076879.07 0.03892 146.33 153 0 ANNUAL ALL 1 Workplace CR_WP_1	642083.447	4079793.652	0.01425	87.58	127	0	ANNUAL	ALL	1		Jovenes De Antano	CR SR 1	
647744 4079173 0.15072 155.2 155.2 0 ANNUAL ALL 1 Grid Receptor 1 G1 647744 4075573 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075573 0.30503 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 10 G10 648144 4079173 0.15633 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4079173 0.20444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 0.20444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 407773 0.19974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 407773 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 64704 4076373 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 64704 4076373 0.150801 178 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 64704 4078773 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 64704 4078773 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 19 G19 64704 4078773 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 407573 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 407573 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4079173 0.15219 173.5 191 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4079173 0.15219 173.5 191 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4079173 0.15219 173.5 191 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4079173 0.2402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 407973 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4077573 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4077573 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2	646402	4076879.07	0.03892	146.33	153	0		ALL	1		Workplace	CR_WP_1	
647744 4075573 0.05466 160 160 0 ANNUAL ALL 1 Grid Receptor 10 G10 651344 4075573 0.30503 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 100 G100 648144 4078773 0.15633 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 0.20444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078773 0.2393 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077773 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4076773 0.14282 177.1	648949	4077938	0.51371	189.45	259	0	ANNUAL	ALL	1		Nearest Workplace	CR_WP_2	MEIW
651344 4075573 0.30503 252.9 252.9 0 ANNUAL ALL 1 Grid Receptor 100 G100 648144 4079173 0.15633 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 0.20444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 0.23393 146.2 146.2 10.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4078773 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077773 0.10974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 16 G17 648144 4076773 0.10801 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 407573 0.00908 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 407573 0.15219 173.5 191 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4078773 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4077873 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4077873 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2 648544 4077873 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 2 G2	647744	4079173	0.15072	155.2	155.2	0	ANNUAL	ALL	1		Grid Receptor 1	G1	
648144 4079173 0.15633 165.9 165.9 0 ANNUAL ALL 1 Grid Receptor 11 G11 648144 4078773 0.20444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 0.23393 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077573 0.19974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.10801 178	647744	4075573	0.05466	160	160	0	ANNUAL	ALL	1		Grid Receptor 10	G10	
648144 4078773 0.20444 159.6 159.6 0 ANNUAL ALL 1 Grid Receptor 12 G12 648144 4078373 0.23393 146.2 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 0.19974 175.4 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4076773 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.10801 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4078573 0.17234 145.4 145.4 <	651344	4075573	0.30503	252.9	252.9	0	ANNUAL	ALL	1		Grid Receptor 100	G100	
648144 4078373 0.23393 146.2 0 ANNUAL ALL 1 Grid Receptor 13 G13 648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 0.19974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.10801 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.09008 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.17234 145.4 0 ANNUA	648144			165.9	165.9	0	ANNUAL	ALL	1		Grid Receptor 11	G11	
648144 4077973 0.24245 158.3 181 0 ANNUAL ALL 1 Grid Receptor 14 G14 648144 4077573 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 0.19974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.10801 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.09008 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075573 0.07108 168.8 190	648144	4078773	0.20444	159.6	159.6	0	ANNUAL	ALL	1		Grid Receptor 12	G12	
648144 4077573 0.26332 166.6 179 0 ANNUAL ALL 1 Grid Receptor 15 G15 648144 4077173 0.19974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.10801 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.09008 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075573 0.07108 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.15219 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G	648144	4078373	0.23393	146.2	146.2	0	ANNUAL	ALL	1		Grid Receptor 13	G13	
648144 4077173 0.19974 175.4 175.4 0 ANNUAL ALL 1 Grid Receptor 16 G16 648144 4076773 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.10801 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.09008 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075573 0.07108 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.15219 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.21402 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22	648144	4077973	0.24245	158.3	181	0	ANNUAL	ALL	1		Grid Receptor 14	G14	
648144 4076773 0.14282 177.1 240 0 ANNUAL ALL 1 Grid Receptor 17 G17 648144 4076373 0.10801 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.09008 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075573 0.07108 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.15219 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.29756 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G	648144	4077573	0.26332	166.6	179	0	ANNUAL	ALL	1		Grid Receptor 15	G15	
648144 4076373 0.10801 178 240 0 ANNUAL ALL 1 Grid Receptor 18 G18 648144 4075973 0.09008 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075573 0.07108 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.15219 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.29756 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23 648544 4077973 0.34301 173.9 214	648144	4077173	0.19974	175.4	175.4	0	ANNUAL	ALL	1		Grid Receptor 16	G16	
648144 4075973 0.09008 173 240 0 ANNUAL ALL 1 Grid Receptor 19 G19 647744 4078773 0.17234 145.4 145.4 0 ANNUAL ALL 1 Grid Receptor 2 G2 648144 4075573 0.07108 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.15219 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.29756 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23 648544 4077973 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 24 G24 648544 4077573 0.37814 179.6 2	648144	4076773	0.14282	177.1	240	0	ANNUAL	ALL	1		Grid Receptor 17	G17	
647744 4078773 0.17234 145.4 145.4 0 ANNUAL ALL 1 1 Grid Receptor 2 G2 648144 4075573 0.07108 168.8 190 0 ANNUAL ALL 1 1 Grid Receptor 20 G20 648544 4079173 0.15219 173.5 191 0 ANNUAL ALL 1 1 Grid Receptor 21 G21 648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 1 Grid Receptor 22 G22 648544 4078373 0.29756 145.4 253 0 ANNUAL ALL 1 1 Grid Receptor 23 G23 648544 4077973 0.34301 173.9 214 0 ANNUAL ALL 1 1 Grid Receptor 24 G24 648544 4077573 0.37814 179.6 227 0 ANNUAL ALL 1 1 Grid Receptor 25 G25	648144	4076373	0.10801	178	240	0	ANNUAL	ALL	1		Grid Receptor 18	G18	
648144 4075573 0.07108 168.8 190 0 ANNUAL ALL 1 Grid Receptor 20 G20 648544 4079173 0.15219 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.29756 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23 648544 4077973 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 24 G24 648544 4077573 0.37814 179.6 227 0 ANNUAL ALL 1 Grid Receptor 25 G25	648144	4075973	0.09008	173	240	0	ANNUAL	ALL	1		Grid Receptor 19	G19	
648544 4079173 0.15219 173.5 191 0 ANNUAL ALL 1 Grid Receptor 21 G21 648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.29756 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23 648544 4077973 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 24 G24 648544 4077573 0.37814 179.6 227 0 ANNUAL ALL 1 Grid Receptor 25 G25	647744	4078773	0.17234	145.4	145.4	0	ANNUAL		1		Grid Receptor 2		
648544 4078773 0.21402 166.2 166.2 0 ANNUAL ALL 1 Grid Receptor 22 G22 648544 4078373 0.29756 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23 648544 4077973 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 24 G24 648544 4077573 0.37814 179.6 227 0 ANNUAL ALL 1 Grid Receptor 25 G25		4075573		168.8	190	0		ALL	1		Grid Receptor 20		
648544 4078373 0.29756 145.4 253 0 ANNUAL ALL 1 Grid Receptor 23 G23 648544 4077973 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 24 G24 648544 4077573 0.37814 179.6 227 0 ANNUAL ALL 1 Grid Receptor 25 G25	648544			173.5	191	0			1		Grid Receptor 21		
648544 4077973 0.34301 173.9 214 0 ANNUAL ALL 1 Grid Receptor 24 G24 648544 4077573 0.37814 179.6 227 0 ANNUAL ALL 1 Grid Receptor 25 G25	648544			166.2	166.2	0	ANNUAL		1		Grid Receptor 22		
648544 4077573 0.37814 179.6 227 0 ANNUAL ALL 1 Grid Receptor 25 G25	648544	4078373	0.29756	145.4	253	0	ANNUAL	ALL	1			G23	
				173.9	214	0	ANNUAL		1		Grid Receptor 24		
648544 4077173 0.67701 191 226 0 ANNUAL ALL 1 Grid Receptor 26 G26		4077573		179.6	227	0	ANNUAL		1		Grid Receptor 25	G25	
	648544	4077173	0.67701	191	226	0	ANNUAL	ALL	1		Grid Receptor 26	G26	

09/01/21

* AERMET (21112): 2020

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 284 RECEPTORS.

X	Y	.5),3(1X,F8.2),2X,A6,2X,A8,; AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648544	4076773	0.28866	209.2	240	O O	ANNUAL	ALL		ALT ID	Grid Receptor 27	G27
648544	4076373	0.17071	233.7	240	0	ANNUAL	ALL	1		Grid Receptor 28	G27
648544	4075973	0.13066	199.9	240	0	ANNUAL	ALL	1		Grid Receptor 29	G28 G29
647744	4078373	0.17241	144.4	144.4	0	ANNUAL	ALL	1		Grid Receptor 3	G29
648544	4075573	0.17241	195.5	227	0	ANNUAL	ALL	1		Grid Receptor 30	G30
648944	4079173	0.10110	193.3	194	0	ANNUAL	ALL	1		Grid Receptor 31	G30 G31
648944	4078773	0.19270	165.4	165.4	0	ANNUAL	ALL	1		Grid Receptor 32	G32
648944	4078373	0.19270	159.6	259	0	ANNUAL	ALL	1		Grid Receptor 32 Grid Receptor 33	G32
648944					0	ANNUAL	ALL	1		*	
	4077973	0.49774	183.5	259				1		Grid Receptor 34	G34
648944	4077573	0.60369	224	226	0	ANNUAL	ALL	I		Grid Receptor 35	G35
648944	4076373	0.37926	205	240	0	ANNUAL	ALL	1		Grid Receptor 38	G38
648944	4075973	0.22036	208.8	220	0	ANNUAL	ALL	- I		Grid Receptor 39	G39
647744	4077973	0.17410	134.6	181	0	ANNUAL	ALL	1		Grid Receptor 4	G4
648944	4075573	0.13592	185.6	300	0	ANNUAL	ALL	1		Grid Receptor 40	G40
649344	4079173	0.10273	187.4	801	0	ANNUAL	ALL	1		Grid Receptor 41	G41
649344	4078773	0.14804	160.9	813	0	ANNUAL	ALL	1		Grid Receptor 42	G42
649344	4078373	0.25579	200.5	221	0	ANNUAL	ALL	1		Grid Receptor 43	G43
649344	4077973	0.60780	229	253	0	ANNUAL	ALL	1		Grid Receptor 44	G44
649344	4077573	0.99605	253.3	259	0	ANNUAL	ALL	1		Grid Receptor 45	G45
649344	4076373	0.95475	220.2	263	0	ANNUAL	ALL	1		Grid Receptor 48	G48
649344	4075973	0.36933	227.2	227.2	0	ANNUAL	ALL	1		Grid Receptor 49	G49
647744	4077573	0.14727	163.8	171	0	ANNUAL	ALL	1		Grid Receptor 5	G5
649344	4075573	0.21299	205.5	300	0	ANNUAL	ALL	1		Grid Receptor 50	G50
649744	4079173	0.07388	176.1	830	0	ANNUAL	ALL	1		Grid Receptor 51	G51
649744	4078773	0.10746	195	813	0	ANNUAL	ALL	1		Grid Receptor 52	G52
649744	4078373	0.16808	196.1	227	0	ANNUAL	ALL	1		Grid Receptor 53	G53
649744	4077973	0.33282	215.3	251	0	ANNUAL	ALL	1		Grid Receptor 54	G54
649744	4077573	0.99055	221.6	259	0	ANNUAL	ALL	1		Grid Receptor 55	G55
649744	4076373	1.68678	211.7	266	0	ANNUAL	ALL	1		Grid Receptor 58	G58
649744	4075973	0.59966	237.7	257	0	ANNUAL	ALL	1		Grid Receptor 59	G59
647744	4077173	0.11551	158.4	171	0	ANNUAL	ALL	1		Grid Receptor 6	G6
649744	4075573	0.30730	204.2	300	0	ANNUAL	ALL	1		Grid Receptor 60	G60
650144	4079173	0.05990	173	830	0	ANNUAL	ALL	1		Grid Receptor 61	G61
650144	4078773	0.07763	171	830	0	ANNUAL	ALL	1		Grid Receptor 62	G62
650144	4078373	0.11176	204.6	813	0	ANNUAL	ALL	1		Grid Receptor 63	G63
650144	4077973	0.18335	216.5	290	0	ANNUAL	ALL	1		Grid Receptor 64	G64
650144	4077573	0.20327	257.7	257.7	0	ANNUAL	ALL	1		Grid Receptor 65	G65
650144	4076373	1.85690	231.4	272	0	ANNUAL	ALL	1		Grid Receptor 68	G68
650144	4075973	0.73572	249.4	266	0	ANNUAL	ALL	1		Grid Receptor 69	G69
647744	4076773	0.08915	164.7	164.7	0	ANNUAL	ALL	1		Grid Receptor 7	G7
650144	4075573	0.42934	216.4	300	0	ANNUAL	ALL	1		Grid Receptor 70	G70
650544	4079173	0.04291	177	830	0	ANNUAL	ALL	1		Grid Receptor 71	G71
650544	4078773	0.05262	180.9	830	0	ANNUAL	ALL	1		Grid Receptor 72	G72
650544	4078373	0.07638	196.6	830	0	ANNUAL	ALL	1		Grid Receptor 73	G73
650544	4077973	0.13038	236.9	801	0	ANNUAL	ALL	1		Grid Receptor 74	G74
650544	4077573	0.10366	261.3	287	0	ANNUAL	ALL	1		Grid Receptor 75	G75
650544	4076373	0.92422	260.9	260.9	0	ANNUAL	ALL	1		Grid Receptor 78	G78
050577	40/03/3	0.ノムマムム	200.9	200.9	U	ALTIOAL	/ 1 LL	1		ona receptor 76	3/0

09/01/21

* AERMET (21112): 2020

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

- FOR A TOTAL OF 284 RECEPTORS.
- FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

650944 4075973 0.79231 226.7 287 0 ANNUAL ALL I Grid Receptor 9 G79 667744 4075973 0.30613 268.2 287 0 ANNUAL ALL I Grid Receptor 81 G81 660944 4075973 0.30613 1813 330 0 ANNUAL ALL I Grid Receptor 81 G81 660944 4075973 0.04613 1813 330 0 ANNUAL ALL I Grid Receptor 81 G81 660944 4075973 0.04613 1813 330 0 ANNUAL ALL I Grid Receptor 82 G82 660944 4075973 0.04681 214.8 830 0 ANNUAL ALL I Grid Receptor 82 G82 660944 4075973 0.05613 214.8 830 0 ANNUAL ALL I Grid Receptor 83 G83 660944 4075973 0.07582 249.9 813 0 ANNUAL ALL I Grid Receptor 85 G83 660944 4077973 0.07582 249.9 813 0 ANNUAL ALL I Grid Receptor 85 G83 660944 4077973 0.05600 276.5 260 0 ANNUAL ALL I Grid Receptor 86 G84 660944 4077973 0.05600 276.5 260 0 ANNUAL ALL I Grid Receptor 86 G84 660944 4077973 0.05800 276.5 276 0 ANNUAL ALL I Grid Receptor 86 G87 660944 4075973 0.33309 216.6 287 0 ANNUAL ALL I Grid Receptor 86 G87 660944 4075973 0.33319 216.6 287 0 ANNUAL ALL I Grid Receptor 87 660944 4075973 0.33319 1816 287 0.05600 277 0 ANNUAL ALL I Grid Receptor 87 650944 4075973 0.33319 1816 287 0.05600 277 0 ANNUAL ALL I Grid Receptor 90 G89 650944 4075973 0.03414 191 830 0 ANNUAL ALL I Grid Receptor 90 G89 650944 4075973 0.04616 160.7 160.7 0 ANNUAL ALL I Grid Receptor 90 G89 650944 4075973 0.04616 180.7 180	X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
650944 4075573 0.30613 268.2 287 0 ANNUAL ALL 1 Grid Receptor 80 G80				226.7		0	ANNUAL	ALL	1		Grid Receptor 79	G79
650944 4079173 0.03613 181.3 830 0 ANNUAL ALL 1 Grid Receptor 81 GRI			0.07271		164	0	ANNUAL		1		Grid Receptor 8	
650944 4078773 0.04478 178.4 830 0. ANNUAL ALL 1 Grid Receptor 82 G82			0.30613			0	ANNUAL		1		Grid Receptor 80	
650944 4078973 0.08851 214.8 8.0 0. ANNUAL ALL 1 Grid Receptor 83 G83 650944 4077973 0.03680 276.5 296 0. ANNUAL ALL 1 Grid Receptor 85 G85 650944 4077973 0.04686 225.6 296 0. ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076773 0.49162 219.8 267 0. ANNUAL ALL 1 Grid Receptor 87 G87 650944 4076773 0.49162 219.8 267 0. ANNUAL ALL 1 Grid Receptor 87 G87 650944 4076973 0.53339 216.6 287 0. ANNUAL ALL 1 Grid Receptor 89 G89 650944 4075973 0.53339 216.6 287 0. ANNUAL ALL 1 Grid Receptor 89 G89 647744 4075973 0.03341 191 830 0. ANNUAL ALL 1 Grid Receptor 90 G89 650944 4075973 0.03341 191 830 0. ANNUAL ALL 1 Grid Receptor 90 G90 650944 4075973 0.03341 191 830 0. ANNUAL ALL 1 Grid Receptor 90 G90 651944 4075973 0.04907 214.3 830 0. ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.04090 214.3 830 0. ANNUAL ALL 1 Grid Receptor 92 G92 651944 4078773 0.04090 214.3 830 0. ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078773 0.04090 214.3 830 0. ANNUAL ALL 1 Grid Receptor 92 G92 651344 4077873 0.04090 214.3 830 0. ANNUAL ALL 1 Grid Receptor 92 G92 651344 4077873 0.04090 214.3 830 0. ANNUAL ALL 1 Grid Receptor 92 G92 651344 4077873 0.04090 214.3 830 0. ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077873 0.04090 214.3 830 0. ANNUAL ALL 1 Grid Receptor 97 G97 651344 4077873 0.04090 214.3 830 0. ANNUAL ALL 1 Grid Receptor 97 G97 651344 4077873 0.04090 214.3 830 0. ANNUAL ALL 1 Grid Receptor 98 G98 651344 4077873 0.04090 20.04090 20.040000000000000000000000000000000000			0.03613	181.3		0	ANNUAL		1		Grid Receptor 81	
650944 4077973 0.0782 249.9 813 0 ANNUAL ALL 1 Crid Receptor \$4 G84			0.04478	178.4		0			1			
650944 4077733 0.03680 276.5 296 0 ANNUAL ALL 1 Grid Receptor 85 636 650944 4076773 0.49162 219.8 267 0 ANNUAL ALL 1 Grid Receptor 87 636 650944 4076773 0.49162 219.8 267 0 ANNUAL ALL 1 Grid Receptor 87 637 639944 4076373 0.57227 209.2 273 0 ANNUAL ALL 1 Grid Receptor 88 638 650944 4075973 0.53339 216.6 287 0 ANNUAL ALL 1 Grid Receptor 89 639 647744 4075973 0.053339 216.6 287 0 ANNUAL ALL 1 Grid Receptor 89 639 650944 4075973 0.04997 243.2 299 0 ANNUAL ALL 1 Grid Receptor 90 69 650944 4075973 0.03341 191 830 0 ANNUAL ALL 1 Grid Receptor 90 690 651344 4078773 0.03341 191 830 0 ANNUAL ALL 1 Grid Receptor 91 691 651344 4078773 0.04991 181 830 0 ANNUAL ALL 1 Grid Receptor 92 692 651344 4078773 0.04991 181 830 0 ANNUAL ALL 1 Grid Receptor 92 692 651344 4078773 0.04991 181 830 0 ANNUAL ALL 1 Grid Receptor 93 693 651344 4077973 0.05461 248.4 826 0 ANNUAL ALL 1 Grid Receptor 94 694 651344 4077973 0.05461 248.4 826 0 ANNUAL ALL 1 Grid Receptor 94 694 651344 4077973 0.09160 212.2 826 0 ANNUAL ALL 1 Grid Receptor 94 694 651344 4077973 0.09160 212.2 826 0 ANNUAL ALL 1 Grid Receptor 96 695 651344 4077173 0.17423 213.6 813 0 ANNUAL ALL 1 Grid Receptor 97 697 651344 4076773 0.23694 201.5 813 0 ANNUAL ALL 1 Grid Receptor 96 696 651344 4076773 0.23694 201.5 813 0 ANNUAL ALL 1 Grid Receptor 97 697 671444 4076773 0.23694 201.5 813 0 ANNUAL ALL 1 Grid Receptor 98 698 651344 4076773 0.23694 201.5 813 0 ANNUAL ALL 1 Grid Receptor 99 699	650944	4078373	0.06851	214.8	830	0	ANNUAL	ALL	1		Grid Receptor 83	G83
659944 4077173 0.26486 225.6 296 0 ANNUAL ALL 1 Grid Receptor 86 G86 G86 G86 G86 G87					813	0			1		Grid Receptor 84	G84
659944 4076773 0.49162 2198 267 0 ANNUAL ALL 1 Grid Receptor 87 G87 659944 4076373 0.57227 209.2 273 0 ANNUAL ALL 1 Grid Receptor 88 G88 659944 4075973 0.53339 216.6 287 0 ANNUAL ALL 1 Grid Receptor 99 G9 66944 4075973 0.06726 160.7 160.7 0 ANNUAL ALL 1 Grid Receptor 90 G9 66944 4075973 0.043977 243.2 289 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4079173 0.03341 191 830 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4078773 0.04091 181 830 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4078773 0.04091 181 830 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4077973 0.05461 244.4 82.6 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4077973 0.05461 244.4 82.6 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4077973 0.01461 244.4 82.6 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4077973 0.01461 244.8 82.6 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4076773 0.024004 203.5 813 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4076773 0.03867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4076373 0.03867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4076373 0.03867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4076373 0.03867 205.5 205.8 209 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4077537.8 1.03867 205.5 205.8 209 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4076373 0.03867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4076373 0.03867 205.8 209 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4076373 0.03867 205.8 209 0 ANNUAL ALL 1 Grid Receptor 90 G9 661344 4076373 0.03867 205.6 205.8 205.8 205.8 205.8 205.8 205.8 205.8 205.8 205.8 205.8 205.8 205.8 205.8 205.8 205.8 205.8 205.8 205.					296	0			1		Grid Receptor 85	
659944 4075373 0.57227 29.92 273 0 ANNUAL ALL 1 Grid Receptor 89 G89 649744 4075973 0.53339 2166 287 0 ANNUAL ALL 1 Grid Receptor 99 G9 649744 4075973 0.49977 243.2 289 0 ANNUAL ALL 1 Grid Receptor 90 G90 651344 4075973 0.04949 181 830 0 ANNUAL ALL 1 Grid Receptor 90 G90 651344 407973 0.03441 191 830 0 ANNUAL ALL 1 Grid Receptor 91 G91	650944	4077173	0.26486	225.6	296	0	ANNUAL	ALL	1		Grid Receptor 86	G86
659044 4075973 0.53339 216.6 287 0 ANNUAL ALL 1 Grid Receptor 9 G9 659044 4075573 0.43977 243.2 289 0 ANNUAL ALL 1 Grid Receptor 9 G9 659044 40757573 0.43977 243.2 289 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 651344 4079173 0.03341 191 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4078773 0.04991 181 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4078773 0.04969 214.3 830 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 40778773 0.05461 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 40778773 0.07641 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 40778773 0.07461 248.4 826 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4076773 0.0494 203.5 813 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4076773 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4076773 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4076773 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4076773 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4076773 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 9 G9 651344 4076773 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 9 G9 G9 64948405 4077539.8 64948405 6494			0.49162	219.8		0	ANNUAL		1		Grid Receptor 87	
647744				209.2		0	ANNUAL		1		Grid Receptor 88	G88
659044 4075573 0.43977 243.2 289 0 ANNUAL ALL I Grid Receptor 90 G90 651344 4079173 0.03341 191 830 0 ANNUAL ALL I Grid Receptor 91 G91 651344 4079173 0.040491 181 830 0 ANNUAL ALL I Grid Receptor 92 G92 651344 4078773 0.04069 214.3 830 0 ANNUAL ALL I Grid Receptor 93 G93 651344 4077573 0.05461 248.4 826 0 ANNUAL ALL I Grid Receptor 94 G94 651344 40779753 0.09160 213.2 826 0 ANNUAL ALL I Grid Receptor 95 G95 G95 651344 4077173 0.17423 213.6 813 0 ANNUAL ALL I Grid Receptor 96 G96 651344 4077173 0.17423 213.6 813 0 ANNUAL ALL I Grid Receptor 97 G97 G95 G95 G95 G95 G95 G95 G95 G95 G95 G95	650944	4075973	0.53339	216.6	287	0	ANNUAL	ALL	1		Grid Receptor 89	G89
651344 4078773 0.04091 181 830 0 ANNUAL ALL 1 Grid Receptor 91 692 692 651344 4078737 0.04090 181 830 0 ANNUAL ALL 1 Grid Receptor 92 692 651344 4078373 0.04090 214.3 830 0 ANNUAL ALL 1 Grid Receptor 93 693 651344 4077573 0.05461 248.4 826 0 ANNUAL ALL 1 Grid Receptor 94 694 651344 4077573 0.09160 213.2 826 0 ANNUAL ALL 1 Grid Receptor 95 695 651344 4077573 0.09160 213.2 826 0 ANNUAL ALL 1 Grid Receptor 96 695 651344 4077173 0.17423 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 696 696 61344 4076773 0.24094 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 697 697 651344 4076773 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 699 651344 4076373 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 699 699 640484.05 4077537.42 1.21713 254.01 257 0 ANNUAL ALL 1 Grid Receptor 99 699 640484.05 4077537.42 1.21713 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649584.03 4077538.59 1.80641 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649584.02 4077539.76 1.28567 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 649684.02 4077539.76 1.28567 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077540.93 1.00243 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 64983.99 4077542.1 0.85967 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 64983.99 4077543.45 0.53216 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 65083.94 4077547.85 0.1526.5 0.25250 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 65083.94 4077547.85 0.1526.5 0.25250 258.89 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 65023.87 4077553.85 0.15669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 65023.87 4077553.85 0.15669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 65023.87 4077553.85 0.15669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 65023.87 4077553.85 0.15669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 65023.87 4077553.85 0.15669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 65023.87 4077553.85 0.15669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 65023.87 4077553.85 0.10400 257.58 296 0 ANNUAL ALL 1			0.06726		160.7	0	ANNUAL	ALL	1		Grid Receptor 9	G9
651344 4078773 0.04991 181 830 0 ANNUAL ALL 1 Grid Receptor 92 G92 G92 G91 ANNUAL ALL 1 Grid Receptor 93 G93 G61344 4077973 0.05461 248.4 826 0 ANNUAL ALL 1 Grid Receptor 94 G94 G61344 4077973 0.05461 248.4 826 0 ANNUAL ALL 1 Grid Receptor 95 G95 G95 G61344 40771773 0.17423 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 G61344 4077173 0.17423 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 G61344 40767173 0.30867 20.56 220 0 ANNUAL ALL 1 Grid Receptor 97 G97 G97 G91 ANNUAL ALL 1 Grid Receptor 98 G98 G91 ANNUAL ALL 1 Grid Receptor 98 G98 G91 ANNUAL ALL 1 Grid Receptor 98 G98 G91 G91 ANNUAL ALL 1 Grid Receptor 99 G99 G99 G91 ANNUAL ALL 1 Grid Receptor 99 G99 G99 G91 ANNUAL ALL 1 Grid Receptor 99 G99 G91 ANNUAL ALL 1 Grid Receptor 99 G99 G91 ANNUAL ALL 1 Grid Receptor 99 G99 G91 ANNUAL ALL 1 Grid Receptor 99 G99 G91 ANNUAL ALL 1 Grid Receptor 99 G99 G91 ANNUAL ALL 1 Boundary Perimeter 10 P10 G95 G95 G95 G95 G95 G95 G95 G95 G95 G95	650944		0.43977			0	ANNUAL		1		Grid Receptor 90	
651344 4077573 0.05461 248.4 826 0 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.05461 248.4 826 0 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077573 0.07402 213.6 813 0 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077573 0.24904 203.5 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 G96 G94 4077573 0.24904 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076737 0.24904 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076737 0.23605 205.8 20 0 ANNUAL ALL 1 Grid Receptor 99 G99 G99 G91 A07593 0.23065 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 G99 G94 A07593 0.23065 205.8 269 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 G49884.05 4077537.42 1.21713 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 G49884.03 4077538.59 1.80641 225.3 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 G49884.03 4077539.76 1.28567 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 G49784 4077540.93 1.00243 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 G4983.99 4077542.1 0.85907 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 G5983.97 4077543.45 0.53216 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 G5083.94 4077545.65 0.23520 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 G5083.87 4077554.25 0.27813 259.56 0.23520 258.89 0.258.99 0 ANNUAL ALL 1 Boundary Perimeter 14 P15 G5083.87 4077550.05 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 G5083.87 4077550.55 0.27813 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 G5083.88 4077550.55 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 19 P17 G5083.87 4077558.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 19 P17 G5083.87 4077550.55 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 19 P17 G5083.87 4077550.55 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 19 P17 G5083.87 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 19 P17 G5083.87 4077558.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 G5083.78 4077555.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 G5083.78 4077555.84 0.05959 267.9 296 0 AN	651344	4079173	0.03341	191	830	0	ANNUAL	ALL	1			G91
651344 4077973 0.05461 248.4 826 0 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.09160 213.2 826 0 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077573 0.24904 203.5 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 407673 0.24904 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 G97 G97 G97 G97 G97 G97 G97 G97	651344		0.04091	181		0	ANNUAL		1		Grid Receptor 92	
651344 4077573 0.09160 213.2 826 0 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077173 0.17423 213.6 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.24904 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076773 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 G98 651344 4076373 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 G98 G98 649484.05 4077537.42 1.21713 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649584.03 4077538.59 1.80641 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649684.02 4077539.76 1.28567 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077540.93 1.00243 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077540.93 1.00243 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077542.1 0.85967 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077543.45 0.53216 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 65083.94 4077548.65 0.23520 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 65083.87 4077550.05 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 65083.87 4077550.55 0.25820 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550.55 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650383.81 4077550.25 0.27813 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650383.81 4077550.45 0.0000000000000000000000000000000	651344	4078373	0.04969	214.3	830	0	ANNUAL	ALL	1		Grid Receptor 93	G93
651344 4077673 0.24904 203.5 813 0 ANNUAL ALL 1 Grid Receptor 96 G96 651344 407673 0.24904 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 G97 G97 G97 G97 G97 G97 G97 G97	651344	4077973	0.05461	248.4	826	0	ANNUAL	ALL	1		Grid Receptor 94	G94
651344 4076773 0.24904 203.5 813 0 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 G98 G98 G99434.05 407537.30 0.32065 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 649484.05 407537.42 1.21713 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649684.03 4077538.59 1.80641 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 649684.02 4077539.76 1.28567 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077540.93 1.00243 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542.1 0.85967 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.99 4077543.45 0.53216 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077545.65 0.23520 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077545.65 0.23520 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 650383.84 4077550.05 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550.5 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552.45 0.2313 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552.45 0.2313 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 650583.78 4077553.84 0.23141 422.23 296 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 650683.78 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 650683.78 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 65078.81 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 65078.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 65078.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 65078.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 65078.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 65078.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 65078.91 4077653.93 0.23199 251.08 282 0 AN	651344	4077573	0.09160	213.2	826	0	ANNUAL	ALL	1		Grid Receptor 95	G95
651344 4076373 0.30867 205.6 220 0 ANNUAL ALL 1 Grid Receptor 98 G98 651344 4075973 0.32065 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 649484.05 407537.42 1.21713 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649584.03 4077538.59 1.80641 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 649684.02 4077539.76 1.28567 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649884.03 4077539.76 1.28567 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542.1 0.85967 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542.1 0.85967 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077543.45 0.53216 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077545.65 0.23520 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077547.85 0.17745 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.84 4077550.05 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552.25 0.27813 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 65043.81 4077555.65 0.0398 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 65043.81 4077555.65 0.0398 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 65063.78 4077555.85 0.10998 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077555.85 0.10940 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 65078.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650675.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 65078.19 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 65078.19 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 65078.19 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 65078.51 4077553.93 0.1019 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 65078.19 4077653.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter	651344	4077173	0.17423	213.6	813	0	ANNUAL	ALL	1		Grid Receptor 96	G96
651344 4075973 0.32065 205.8 269 0 ANNUAL ALL 1 Grid Receptor 99 G99 G99 649484.05 4077537.42 1.21713 254.01 257 0 ANNUAL ALL 1 Boundary Perimeter 10 P10 649584.03 4077538.59 1.80641 235.3 259 0 ANNUAL ALL 1 Boundary Perimeter 11 P11 649684.02 4077539.76 1.28567 221.29 259 0 ANNUAL ALL 1 Boundary Perimeter 12 P12 649784 4077540.93 1.00243 222.37 260 0 ANNUAL ALL 1 Boundary Perimeter 13 P13 649883.99 4077542.1 0.85967 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 14 P14 649983.97 4077542.1 0.85967 233.6 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077545.65 0.23520 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 65083.94 4077547.85 0.17745 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 65083.87 4077550.05 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077552.55 0.27813 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650483.81 4077554.45 0.23414 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 650483.81 4077556.65 0.10998 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 6506383.78 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 6506383.78 4077558.45 0.03414 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 6506383.78 4077558.45 0.03414 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 19 P20 65076.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 65078.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 65076.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 65078.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 65078.91 407753.99 0.10219 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 65078.91 4077453.89 0.03499 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 65078.91 407753.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 65078.91 4077653.09 0.28108 252.83 281 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 65078.91 4077653.09 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076654.05 0.59276 246.79 251	651344	4076773	0.24904	203.5	813	0	ANNUAL	ALL	1		Grid Receptor 97	G97
64984.05 4077537.42	651344	4076373	0.30867	205.6	220	0	ANNUAL	ALL	1			G98
64984.05 4077537.42	651344	4075973	0.32065	205.8	269	0	ANNUAL	ALL	1		Grid Receptor 99	G99
649684.02	649484.05	4077537.42	1.21713	254.01	257	0	ANNUAL	ALL	1		Boundary Perimeter 10	P10
649784 4077540.93	649584.03	4077538.59	1.80641	235.3	259	0	ANNUAL	ALL	1		Boundary Perimeter 11	P11
649883.99	649684.02	4077539.76	1.28567	221.29	259	0	ANNUAL	ALL	1		Boundary Perimeter 12	P12
649983.97 4077543.45 0.53216 249.54 259 0 ANNUAL ALL 1 Boundary Perimeter 15 P15 650083.94 4077545.65 0.23520 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077547.85 0.17745 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550.05 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077550.25 0.27813 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 650483.81 4077554.45 0.23414 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 650483.81 4077554.65 0.10998 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077556.65 0.10998 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650487.54 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 65076.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 65078.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077353.99 0.10219 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077253.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 65078.93 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 30 P30 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32	649784	4077540.93	1.00243	222.37	260	0	ANNUAL	ALL	1		Boundary Perimeter 13	P13
65083.94 4077545.65 0.23520 258.89 258.89 0 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077547.85 0.17745 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550.05 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552.25 0.27813 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 650483.81 4077554.45 0.23414 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077556.65 0.10998 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 6650781 4077353.9 0.10219 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077253.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 65078.93 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 65079.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 65079.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754.08 0.74295 228.75 264 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32	649883.99	4077542.1	0.85967	233.6	259	0	ANNUAL	ALL	1		Boundary Perimeter 14	P14
650183.91 4077547.85 0.17745 259.56 259.56 0 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550.05 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552.25 0.27813 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 650483.81 4077554.45 0.23414 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077556.65 0.10998 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650778.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650781 4077553.9 0.10219 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077253.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 650785.19 4077153.96 0.28018 252.83 281 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 65079.38 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.48 4076954.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.48 4076954.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.38 4076954.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.38 4076954.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 65079.38 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754.08 0.74295 228.75 264 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32	649983.97	4077543.45	0.53216	249.54	259	0	ANNUAL	ALL	1		Boundary Perimeter 15	P15
650283.87 4077550.05 0.18669 256.77 266 0 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552.25 0.27813 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 650483.81 4077552.25 0.23414 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077556.65 0.10998 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 21 P22 650776.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650778.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 650783.1 <td>650083.94</td> <td>4077545.65</td> <td>0.23520</td> <td>258.89</td> <td>258.89</td> <td>0</td> <td>ANNUAL</td> <td>ALL</td> <td>1</td> <td></td> <td>Boundary Perimeter 16</td> <td>P16</td>	650083.94	4077545.65	0.23520	258.89	258.89	0	ANNUAL	ALL	1		Boundary Perimeter 16	P16
650383.84 4077552.25 0.27813 242.37 290 0 ANNUAL ALL 1 Boundary Perimeter 19 P19 650483.81 4077554.45 0.23414 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077556.65 0.10998 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 65076.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077353.9 0.10219 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077253.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077153.96 0.28018 252.83 281 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 650793.57 407654.08 0.74295 228.75 264 0 ANNUAL ALL 1 Boundary Perimeter 30 P30 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32	650183.91	4077547.85	0.17745	259.56	259.56	0	ANNUAL	ALL	1		Boundary Perimeter 17	P17
650483.81 4077554.45 0.23414 242.23 296 0 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077556.65 0.10998 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077353.9 0.10219 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077253.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19	650283.87	4077550.05	0.18669	256.77	266	0	ANNUAL	ALL	1		Boundary Perimeter 18	P18
650583.78 4077556.65 0.10998 259.71 290 0 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077253.93 0.10219 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077253.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077153.96 0.28018 252.83 281 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077053.99 0.40568 246.1 269 0	650383.84	4077552.25	0.27813	242.37	290	0	ANNUAL	ALL	1		Boundary Perimeter 19	P19
650683.75 4077558.85 0.10840 257.58 296 0 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077253.93 0.10219 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077253.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077153.96 0.28018 252.83 281 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954.02 0.53602 241.37 269 0	650483.81	4077554.45	0.23414	242.23	296	0	ANNUAL	ALL	1		Boundary Perimeter 20	P20
650776.81 4077553.84 0.05959 267.9 296 0 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077353.9 0.10219 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077253.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077153.96 0.28018 252.83 281 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 39 P29 650791.48 4076854.05 0.59276 246.79 251 0	650583.78	4077556.65	0.10998	259.71	290	0	ANNUAL	ALL	1		Boundary Perimeter 21	P21
650778.91 4077453.87 0.05234 275.91 275.91 0 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077353.9 0.10219 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077253.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077153.96 0.28018 252.83 281 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754.08 0.74295 228.75 264 0	650683.75	4077558.85	0.10840	257.58	296	0	ANNUAL	ALL	1		Boundary Perimeter 22	P22
650781 4077353.9 0.10219 265.73 281 0 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077253.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077153.96 0.28018 252.83 281 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754.08 0.74295 228.75 264 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39	650776.81	4077553.84	0.05959	267.9	296	0	ANNUAL	ALL	1		Boundary Perimeter 23	P23
650783.1 4077253.93 0.23199 251.08 282 0 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077153.96 0.28018 252.83 281 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754.08 0.74295 228.75 264 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32		4077453.87	0.05234	275.91	275.91	0	ANNUAL		1		Boundary Perimeter 24	P24
650785.19 4077153.96 0.28018 252.83 281 0 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754.08 0.74295 228.75 264 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32	650781	4077353.9	0.10219	265.73	281	0	ANNUAL	ALL	1		Boundary Perimeter 25	P25
650787.29 4077053.99 0.40568 246.1 269 0 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754.08 0.74295 228.75 264 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32	650783.1	4077253.93	0.23199	251.08	282	0	ANNUAL	ALL	1		Boundary Perimeter 26	P26
650789.38 4076954.02 0.53602 241.37 269 0 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754.08 0.74295 228.75 264 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32	650785.19	4077153.96	0.28018	252.83	281	0	ANNUAL	ALL	1		Boundary Perimeter 27	P27
650791.48 4076854.05 0.59276 246.79 251 0 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754.08 0.74295 228.75 264 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32	650787.29	4077053.99	0.40568	246.1	269	0	ANNUAL	ALL	1		Boundary Perimeter 28	P28
650793.57 4076754.08 0.74295 228.75 264 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32	650789.38	4076954.02	0.53602	241.37	269	0	ANNUAL	ALL	1		Boundary Perimeter 29	P29
650793.57 4076754.08 0.74295 228.75 264 0 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32	650791.48	4076854.05	0.59276	246.79	251	0	ANNUAL	ALL	1		Boundary Perimeter 30	P30
650754.39 4076683.11 0.80672 217.76 271 0 ANNUAL ALL 1 Boundary Perimeter 32 P32	650793.57	4076754.08	0.74295	228.75	264	0	ANNUAL		1		Boundary Perimeter 31	
	650754.39	4076683.11	0.80672	217.76	271	0		ALL	1		Boundary Perimeter 32	P32
	650660.22	4076649.5	1.11600	221.2	273	0	ANNUAL		1		Boundary Perimeter 33	P33

09/01/21

* AERMET (21112): 2020

08:38:24

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

TORWIA	11.(A,1A,3(1A,113)	.5),5(1A,F6.2),2A,A0,2A,A6,	,211,10.0,211,11	.0)							
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
650561.43	4076649.99	1.62106	220.83	273	0	ANNUAL	ALL	1		Boundary Perimeter 34	P34
650462.72	4076665.95	2.76041	223.42	273	0	ANNUAL	ALL	1		Boundary Perimeter 35	P35
650364.01	4076681.9	4.31761	222.46	263	0	ANNUAL	ALL	1		Boundary Perimeter 36	P36
650264.24	4076683.08	4.66334	223.19	263	0	ANNUAL	ALL	1		Boundary Perimeter 37	P37 F
650164.71	4076674.46	4.51592	222.1	249	0	ANNUAL	ALL	1		Boundary Perimeter 38	P38
650065.8	4076659.74	4.13714	217.03	264	0	ANNUAL	ALL	1		Boundary Perimeter 39	P39
649980.44	4076626.71	4.06085	214.82	264	0	ANNUAL	ALL	1		Boundary Perimeter 40	P40
649920.26	4076547.41	3.30164	214.91	264	0	ANNUAL	ALL	1		Boundary Perimeter 41	P41
649852.19	4076474.41	2.63364	214.09	266	0	ANNUAL	ALL	1		Boundary Perimeter 42	P42
649770.68	4076416.8	2.00923	211.53	266	0	ANNUAL	ALL	1		Boundary Perimeter 43	P43
649680.48	4076374.63	1.82281	210.17	266	0	ANNUAL	ALL	1		Boundary Perimeter 44	P44
649580.91	4076368.3	1.66505	208.52	264	0	ANNUAL	ALL	1		Boundary Perimeter 45	P45
649482.48	4076383.73	1.41975	207.5	264	0	ANNUAL	ALL	1		Boundary Perimeter 46	P46
649391.59	4076425.15	1.49252	205.17	264	0	ANNUAL	ALL	1		Boundary Perimeter 47	P47
649303.5	4076472.31	1.52526	202.16	264	0	ANNUAL	ALL	1		Boundary Perimeter 48	P48
649226.19	4076535.29	1.45708	196.38	264	0	ANNUAL	ALL	1		Boundary Perimeter 49	P49
649156.2	4076605.17	1.60744	195.87	264	0	ANNUAL	ALL	1		Boundary Perimeter 50	P50
649068.25	4076652.76	1.39017	196.32	264	0	ANNUAL	ALL	1		Boundary Perimeter 51	P51
648986.7	4076710.52	1.25394	192.42	263	0	ANNUAL	ALL	1		Boundary Perimeter 52	P52
648936.53	4076759.27	1.25504	192.46	250	0	ANNUAL	ALL	1		Boundary Perimeter 53	P53
648868.58	4076832.5	1.30211	191.63	250	0	ANNUAL	ALL	1		Boundary Perimeter 54	P54
648797.23	4076902.21	1.37523	186.32	250	0	ANNUAL	ALL	1		Boundary Perimeter 55	P55
648710.56	4076951.69	1.15509	179.81	250	0	ANNUAL	ALL	1		Boundary Perimeter 56	P56
648620.79	4076995.72	0.69144	176.23	250	0	ANNUAL	ALL	1		Boundary Perimeter 57	P57
648607.19	4077051.27	0.85988	175.02	250	0	ANNUAL	ALL	1		Boundary Perimeter 58	P58
648680.07	4077119.49	1.15263	180.62	250	0	ANNUAL	ALL	1		Boundary Perimeter 59	P59
649084.12	4077532.21	0.71378	216.54	259	0	ANNUAL	ALL	1		Boundary Perimeter 6	P6
648759.24	4077180.33	0.69805	183.47	259	0	ANNUAL	ALL	1		Boundary Perimeter 60	P60
648791.44	4077262.37	0.57050	202.88	245	0	ANNUAL	ALL	1		Boundary Perimeter 61	P61
648788.45	4077362.32	0.48412	178.21	259	0	ANNUAL	ALL	1		Boundary Perimeter 62	P62
648691.25	4077361.04	0.47991	176.25	259	0	ANNUAL	ALL	1		Boundary Perimeter 63	P63
648591.35	4077356.85	0.48532	176	259	0	ANNUAL	ALL	1		Boundary Perimeter 64	P64
648525.69	4077371.4	0.46513	175.24	245	0	ANNUAL	ALL	1		Boundary Perimeter 65	P65
648586.93	4077430.21	0.43224	175.13	259	0	ANNUAL	ALL	1		Boundary Perimeter 66	P66
649184.09	4077533.91	0.93423	230.71	259	0	ANNUAL	ALL	1		Boundary Perimeter 7	P7
649284.08	4077535.08	1.04853	248.08	259	0	ANNUAL	ALL	1		Boundary Perimeter 8	P8
649384.06	4077536.25	0.90616	258.43	258.43	0	ANNUAL	ALL	1		Boundary Perimeter 9	P9
645930	4077982.6	0.04341	127.38	127.38	0	ANNUAL	ALL	1		New Development	RP G1
646030	4077982.6	0.04572	131.21	131.21	0	ANNUAL	ALL	1		New Development	RP G1
646130	4077982.6	0.04824	135.89	135.89	0	ANNUAL	ALL	1		New Development	RP G1
646230	4077982.6	0.05099	139.18	139.18	0	ANNUAL	ALL	1		New Development	RP G1
646330	4077982.6	0.05400	140.76	140.76	0	ANNUAL	ALL	1		New Development	RP G1
646430	4077982.6	0.05737	143.89	143.89	0	ANNUAL	ALL	1		New Development	RP G1
646530	4077982.6	0.06109	145.22	145.22	0	ANNUAL	ALL	1		New Development	RP G1
646630	4077982.6	0.06526	147.21	147.21	0	ANNUAL	ALL	1		New Development	RP G1
646730	4077982.6	0.06988	148.3	160	0	ANNUAL	ALL	1		New Development	RP G1
645930	4077982.6	0.04441	127.58	127.58	0	ANNUAL	ALL	1		New Development	RP_G1
043930	40/0002.0	0.04441	14/.30	12/.30	U	AININUAL	ALL	1		New Development	KI_GI

PMI

09/01/21

* AERMET (21112): 2020

08:38:24

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

TOKWI	$A1. (A,1\Lambda,3(1\Lambda,\Gamma))$	5.5),5(1A,F6.2),2A,A0,2A,A6	,2A,10.0,2A,A	0)								_
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG		GRP	NUM YRS	NET ID	Description	ID	
646030	4078082.6	0.04679	130.56	130.56	0	ANNUAL	ALL	1		New Development	RP_G1	
646130	4078082.6	0.04942	134.35	134.35	0	ANNUAL	ALL	1		New Development	RP G1	
646230	4078082.6	0.05237	139.22	139.22	0	ANNUAL	ALL	1		New Development	RP_G1	
646330	4078082.6	0.05567	144.65	144.65	0	ANNUAL	ALL	1		New Development	RP G1	
646430	4078082.6	0.05914	142.28	142.28	0	ANNUAL	ALL	1		New Development	RP G1	
646530	4078082.6	0.06316	146.76	146.76	0	ANNUAL	ALL	1		New Development	RP G1	
646630	4078082.6	0.06758	150.64	150.64	0	ANNUAL	ALL	1		New Development	RP G1	
646730	4078082.6	0.07254	155.4	157	0	ANNUAL	ALL	1		New Development	RP G1	
645930	4078182.6	0.04547	127.22	127.22	0	ANNUAL	ALL	1		New Development	RP G1	
646030	4078182.6	0.04801	130.56	130.56	0	ANNUAL	ALL	1		New Development	RP_G1	
646130	4078182.6	0.05081	133.89	133.89	0	ANNUAL	ALL	1		New Development	RP G1	
646230	4078182.6	0.05396	140.45	140.45	0	ANNUAL	ALL	1		New Development	RP G1	
646330	4078182.6	0.05746	146.94	146.94	0	ANNUAL	ALL	1		New Development	RP G1	
646430	4078182.6	0.06088	140.23	140.23	0	ANNUAL	ALL	1		New Development	RP G1	
646530	4078182.6	0.06500	147.25	147.25	0	ANNUAL	ALL	1		New Development	RP G1	
646630	4078182.6	0.06948	151.56	151.56	0	ANNUAL	ALL	1		New Development	RP G1	
646730	4078182.6	0.07466	157.78	166	0	ANNUAL	ALL	1		New Development	RP G1	
645930	4078282.6	0.04664	126.06	126.06	0	ANNUAL	ALL	1		New Development	RP G1	
646030	4078282.6	0.04930	129.56	129.56	0	ANNUAL	ALL	1		New Development	RP G1	
646130	4078282.6	0.05218	132.89	132.89	0	ANNUAL	ALL	1		New Development	RP G1	-
646230			132.89	132.89	0	ANNUAL	ALL	1			RP G1	
	4078282.6	0.05535						1		New Development		
646330	4078282.6	0.05874 0.06225	142.68	142.68 140.02	0	ANNUAL	ALL ALL	1		New Development	RP_G1	
646430	4078282.6		140.02		0	ANNUAL		1		New Development	RP_G1	
646530	4078282.6	0.06643	147.22	147.22	0	ANNUAL	ALL	1		New Development	RP_G1	
646630	4078282.6	0.07112	151.56	151.56	0	ANNUAL	ALL	1		New Development	RP_G1	
646730	4078282.6	0.07663	156.78	166	0	ANNUAL	ALL	1		New Development	RP_G1	
648659.32	4077241.2	0.66130	205.79	205.79	0	ANNUAL	ALL	1		House 1	RP_H1	MEII
648071.24	4076116.26	0.09222	169.6	240	0	ANNUAL	ALL	1		House 10	RP_H10	
648247.37	4076278.08	0.11982	184.55	240	0	ANNUAL	ALL	1		House 11	RP_H11	
648027.19	4076255.14	0.09353	169.38	240	0	ANNUAL	ALL	1		House 12	RP_H12	
648065.77	4076359.39	0.09889	173.83	240	0	ANNUAL	ALL	1		House 13	RP_H13	
648138.68	4076399.8	0.10802	178.22	240	0	ANNUAL	ALL	1		House 14	RP_H14	
648254.71	4076411.38	0.12613	191.28	240	0	ANNUAL	ALL	1		House 15	RP_H15	
647877.81	4076365.37	0.08185	165.39	240	0	ANNUAL	ALL	1		House 16	RP_H16	
647520	4076206	0.06001	159	159	0	ANNUAL	ALL	1		House 17	RP_H17	
647921	4076247.13	0.08474	164	240	0	ANNUAL	ALL	1		House 18	RP_H18	
647708.78	4076351.65	0.07018	163.52	163.52	0	ANNUAL	ALL	1		House 19	RP_H19	
648371.71	4075470.41	0.08046	173.69	227	0	ANNUAL	ALL	1		House 2	RP_H2	
647703.58	4076251.07	0.06982	162.17	162.17	0	ANNUAL	ALL	1		House 20	RP_H20	
647718.77	4076103.98	0.07035	159.35	159.35	0	ANNUAL	ALL	1		House 21	RP_H21	
647843.32	4076124.94	0.07729	163	234	0	ANNUAL	ALL	1		House 22	RP_H22	
647842.26	4076500.39	0.08565	167.93	167.93	0	ANNUAL	ALL	1		House 23	RP_H23	
647727.75	4076644.22	0.08697	164.15	164.15	0	ANNUAL	ALL	1		House 24	RP_H24	
647823.91	4076643.73	0.09500	168.29	168.29	0	ANNUAL	ALL	1		House 25	RP H25	
647530	4076497	0.06814	159.56	159.56	0	ANNUAL	ALL	1		House 26	RP H26	
647810.11	4076853.73	0.09840	162.9	162.9	0	ANNUAL	ALL	1		House 27	RP H27	
647697.48	4076989.26	0.10023	161.42	162	0	ANNUAL	ALL	1		House 28	RP H28	
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09/01/21

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 284 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648225.5	4076181.52	0.11147	183.22	240	0	ANNUAL	ALL	1		House 29	RP H29
647678.23	4075969.18	0.06453	159.5	159.5	0	ANNUAL	ALL	1		House 3	RP H3
645876.32	4077487.41	0.03623	127.13	142	0	ANNUAL	ALL	1		House 30	RP H30
650902	4076062	0.58181	215.24	287	0	ANNUAL	ALL	1		House 31	RP H31
651490	4076597	0.23658	205.5	813	0	ANNUAL	ALL	1		House 32	RP H32
651565	4077067	0.16752	213.93	813	0	ANNUAL	ALL	1		House 33	RP H33
648672.77	4075306.77	0.09976	225.91	227	0	ANNUAL	ALL	1		House 34	RP H34
648383.6	4075469.08	0.08104	174.44	227	0	ANNUAL	ALL	1		House 35	RP H35
646379.37	4077232.58	0.04394	146	146	0	ANNUAL	ALL	1		House 36	RP_H36
651849.72	4075865.15	0.19428	201.97	333	0	ANNUAL	ALL	1		House 37	RP H37
652045.49	4076210.24	0.15098	196.88	813	0	ANNUAL	ALL	1		House 38	RP H38
652255.69	4076390.67	0.12323	197.06	813	0	ANNUAL	ALL	1		House 39	RP H39
647815.25	4075985.43	0.07088	162.04	162.04	0	ANNUAL	ALL	1		House 4	RP H4
646853.73	4077372.88	0.06004	145.99	145.99	0	ANNUAL	ALL	1		House 40	RP H40
647050.21	4077359.57	0.06837	145	145	0	ANNUAL	ALL	1		House 41	RP H41
647286.42	4077474.4	0.08887	149.68	153	0	ANNUAL	ALL	1		House 42	RP H42
647359.05	4077339.84	0.08676	154.45	159	0	ANNUAL	ALL	1		House 43	RP H43
647490.41	4077328.53	0.09751	162.28	162.28	0	ANNUAL	ALL	1		House 44	RP H44
647522.17	4077251.76	0.09603	164.3	164.3	0	ANNUAL	ALL	1		House 45	RP H45
647517.82	4077138.85	0.09258	164.01	164.01	0	ANNUAL	ALL	1		House 46	RP H46
646819.01	4077258.4	0.05676	151.53	152	0	ANNUAL	ALL	1		House 47	RP H47
646778.72	4077127.63	0.05405	158.51	158.51	0	ANNUAL	ALL	1		House 48	RP H48
646987.26	4077213.1	0.06251	146.44	146.44	0	ANNUAL	ALL	1		House 49	RP H49
647898.2	4076032.8	0.07695	163.83	237	0	ANNUAL	ALL	1		House 5	RP H5
647241.77	4077226.51	0.07514	154.85	154.85	0	ANNUAL	ALL	1		House 50	RP H50
646773.05	4077063.03	0.05276	159	159	0	ANNUAL	ALL	1		House 51	RP H51
647104.37	4077117.93	0.06637	148.99	148.99	0	ANNUAL	ALL	1		House 52	RP H52
647291.9	4077123.08	0.07649	158.62	158.62	0	ANNUAL	ALL	1		House 53	RP H53
646765.24	4076977.94	0.05039	158.67	158.67	0	ANNUAL	ALL	1		House 54	RP H54
646995.65	4076983.8	0.05802	152.34	152.34	0	ANNUAL	ALL	1		House 55	RP H55
647317.21	4077030.98	0.07502	160.22	160.22	0	ANNUAL	ALL	1		House 56	RP H56
647398.39	4077013.06	0.07902	161.26	161.26	0	ANNUAL	ALL	1		House 57	RP_H57
646978.93	4076903.58	0.05442	156.81	156.81	0	ANNUAL	ALL	1		House 58	RP H58
647015.19	4076807.16	0.05212	156.21	156.21	0	ANNUAL	ALL	1		House 59	RP H59
648045.44	4076017.78	0.08549	168.26	240	0	ANNUAL	ALL	1		House 6	RP H6
647163.96	4076802.21	0.05692	154.38	154.38	0	ANNUAL	ALL	1		House 60	RP H60
647310.58	4076940.38	0.06997	162.49	162.49	0	ANNUAL	ALL	1		House 61	RP H61
647298.09	4076805.15	0.06239	158	158	0	ANNUAL	ALL	1		House 62	RP H62
647446.56	4076899.85	0.07462	159.45	159.45	0	ANNUAL	ALL	1		House 63	RP H63
647464.49	4076780.74	0.06966	159.32	159.32	0	ANNUAL	ALL	1		House 64	RP H64
647512	4076536	0.06936	159	159	0	ANNUAL	ALL	1		House 65	RP H65
651131	4078767	0.04377	179.58	830	0	ANNUAL	ALL	1		House 66	RP H66
647131	4077336	0.07178	146.77	146.77	0	ANNUAL	ALL	1		House 67	RP H67
646798	4076740	0.04471	156.07	156.07	0	ANNUAL	ALL	1		House 68	RP H68
646900	4076802	0.04869	159	159	0	ANNUAL	ALL	1		House 69	RP H69
648126.33	4075955.37	0.08773	171.51	240	0	ANNUAL	ALL	1		House 7	RP H7
647317	4076662	0.06145	159.9	159.9	0	ANNUAL	ALL	1		House 70	RP H70
04/31/	40/0002	0.00143	137.7	137.7	U	ANNUAL	ALL	1		House /0	Kr_11/0

09/01/21

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648249.26	4075969.84	0.09859	183.42	240	0	ANNUAL	ALL	1		House 8	RP_H8
648218.58	4076108.95	0.10573	182.28	240	0	ANNUAL	ALL	1		House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in µg/m³.

08/31/21

* AERMET (21112): 2018

14:20:50

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		.,5(17 1 ,1 15.5),5(17 1 ,1 0.		1,710,271,10.0							
X	Y	AVERAGE CONC		ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
645996	4078698	0.06397	123.85	123.85	1.5	ANNUAL	ALL	1	AQ Monitoring Station	AQ_ST_1	
643903.65	4077719	0.02691	105.68	105.68	1.5	ANNUAL	ALL	1	Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.782		0.02207	85.12	85.12	1.5	ANNUAL	ALL	1	Dunne Park	CR_PK_1	
642179.095		0.02272	117.99	117.99	1.5	ANNUAL	ALL	1	Vista Park Hill Park	CR_PK_2	
644733.142	4078753	0.04356	106.44	106.44	1.5	ANNUAL	ALL	1	Las Brisas Park	CR_PK_3	
645608.808	4078854	0.05473	112.86	112.86	1.5	ANNUAL	ALL	1	Frank Klauer Memorial Park	CR_PK_4	
644238.054	4078807	0.03777	95.25	95.25	1.5	ANNUAL	ALL	1	Veterans Memorial Park	CR_PK_5	
645311.476	4076559	0.03551	134.61	134.61	1.5	ANNUAL	ALL	1	Park 6	CR_PK_6	
649581.689	4073424	0.04721	159.96	318	1.5	ANNUAL	ALL	1	Park 7	CR_PK_7	
645145.11	4077181	0.03799	133	133	1.5	ANNUAL	ALL	1	Cerra Vista Elem School	CR_SC_1	
642904.712	4079955	0.025	86	86	1.5	ANNUAL	ALL	1	San Andreas Continuation	CR_SC_10	
645850.678	4074015	0.01738	123	313	1.5	ANNUAL	ALL	1	SouthSide School	CR_SC_11	
642105.679	4078176	0.01823	91	91	1.5	ANNUAL	ALL	1	School 12	CR_SC_12	
646058.93	4078443	0.06921	128.52	128.52	1.5	ANNUAL	ALL	1	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.04465	158	158	1.5	ANNUAL	ALL	1	Future School	CR_SC_14	School 2
648466	4074106	0.03511	159	240	1.5	ANNUAL	ALL	1	Tres Pinos Union Elementary School	CR_SC_15	
644109.6	4078389	0.03685	98.2	98.2	1.5	ANNUAL	ALL	1	Sunnyslope Elem School	CR_SC_2	
643920.12	4077304	0.02578	101.23	101.23	1.5	ANNUAL	ALL	1	Hollister Montessori School	CR_SC_3	
642961.07	4078621	0.02751	92	92	1.5	ANNUAL	ALL	1	Rancho San Justo Middle School	CR_SC_4	
643980.02	4079743	0.03094	88	88	1.5	ANNUAL	ALL	1	Marguerite Maze Middle School	CR_SC_5	
641630.17	4079153	0.02058	85	85	1.5	ANNUAL	ALL	1	Hollister Prep Schoo	CR_SC_6	
643350.03	4077181	0.02213	98.22	98.22	1.5	ANNUAL	ALL	1	Ladd Lane Elementary School	CR_SC_7	
644002.96	4080079	0.02873	87	87	1.5	ANNUAL	ALL	1	Gabilan Hills Elementary School	CR_SC_8	
642244.858	4078413	0.02148	90.17	90.17	1.5	ANNUAL	ALL	1	San Benito High School	CR SC 9	
642083.447	4079794	0.02217	87.58	127	1.5	ANNUAL	ALL	1	Jovenes De Antano	CR_SR_1	
646402	4076879	0.06146	146.33	153	1.5	ANNUAL	ALL	1	Workplace	CR_WP_1	
648949	4077938	0.37971	189.45	259	1.5	ANNUAL	ALL	1	Nearest Workplace	CR WP 2	MEIW
647744	4079173	0.10893	155.2	155.2	1.5	ANNUAL	ALL	1	Grid Receptor 1	G1	
647744	4075573	0.05777	160	160	1.5	ANNUAL	ALL	1	Grid Receptor 10	G10	
651344	4075573	0.28757	252.9	252.9	1.5	ANNUAL	ALL	1	Grid Receptor 100	G100	
648144	4079173	0.1176	165.9	165.9	1.5	ANNUAL	ALL	1	Grid Receptor 11	G11	
648144	4078773	0.14741	159.6	159.6	1.5	ANNUAL	ALL	1	Grid Receptor 12	G12	
648144	4078373	0.17506	146.2	146.2	1.5	ANNUAL	ALL	1	Grid Receptor 13	G13	
648144	4077973	0.22334	158.3	181	1.5	ANNUAL	ALL	1	Grid Receptor 14	G14	
648144	4077573	0.28648	166.6	179	1.5	ANNUAL	ALL	1	Grid Receptor 15	G15	
648144	4077173	0.30313	175.4	175.4	1.5	ANNUAL	ALL	1	Grid Receptor 16	G16	
648144	4076773	0.20874	177.1	240	1.5	ANNUAL	ALL	1	Grid Receptor 17	G17	
648144	4076373	0.13496	178	240	1.5	ANNUAL	ALL	1	Grid Receptor 18	G18	
648144	4075973	0.08859	173	240	1.5	ANNUAL	ALL	1	Grid Receptor 19	G19	
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14:20:50

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* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
647744	4078773	0.12511	145.4	145.4	1.5	ANNUAL	ALL	1	Grid Receptor 2	G2
648144	4075573	0.0685	168.8	190	1.5	ANNUAL	ALL	1	Grid Receptor 20	G20
648544	4079173	0.10859	173.5	191	1.5	ANNUAL	ALL	1	Grid Receptor 21	G21
648544	4078773	0.15894	166.2	166.2	1.5	ANNUAL	ALL	1	Grid Receptor 22	G22
648544	4078373	0.21494	145.4	253	1.5	ANNUAL	ALL	1	Grid Receptor 23	G23
648544	4077973	0.27133	173.9	214	1.5	ANNUAL	ALL	1	Grid Receptor 24	G24
648544	4077573	0.3849	179.6	227	1.5	ANNUAL	ALL	1	Grid Receptor 25	G25
648544	4077173	0.66482	191	226	1.5	ANNUAL	ALL	1	Grid Receptor 26	G26
648544	4076773	0.40421	209.2	240	1.5	ANNUAL	ALL	1	Grid Receptor 27	G27
648544	4076373	0.18681	233.7	240	1.5	ANNUAL	ALL	1	Grid Receptor 28	G28
648544	4075973	0.13065	199.9	240	1.5	ANNUAL	ALL	1	Grid Receptor 29	G29
647744	4078373	0.14624	144.4	144.4	1.5	ANNUAL	ALL	1	Grid Receptor 3	G3
648544	4075573	0.08683	195.5	227	1.5	ANNUAL	ALL	1	Grid Receptor 30	G30
648944	4079173	0.08868	190.4	194	1.5	ANNUAL	ALL	1	Grid Receptor 31	G31
648944	4078773	0.1344	165.4	165.4	1.5	ANNUAL	ALL	1	Grid Receptor 32	G32
648944	4078373	0.22958	159.6	259	1.5	ANNUAL	ALL	1	Grid Receptor 33	G33
648944	4077973	0.36495	183.5	259	1.5	ANNUAL	ALL	1	Grid Receptor 34	G34
648944	4077573	0.57726	224	226	1.5	ANNUAL	ALL	1	Grid Receptor 35	G35
648944	4076373	0.37482	205	240	1.5	ANNUAL	ALL	1	Grid Receptor 38	G38
648944	4075973	0.1915	208.8	220	1.5	ANNUAL	ALL	1	Grid Receptor 39	G39
647744	4077973	0.17549	134.6	181	1.5	ANNUAL	ALL	1	Grid Receptor 4	G4
648944	4075573	0.11474	185.6	300	1.5	ANNUAL	ALL	1	Grid Receptor 40	G40
649344	4079173	0.07293	187.4	801	1.5	ANNUAL	ALL	1	Grid Receptor 41	G41
649344	4078773	0.10153	160.9	813	1.5	ANNUAL	ALL	1	Grid Receptor 42	G42
649344	4078373	0.18	200.5	221	1.5	ANNUAL	ALL	1	Grid Receptor 43	G43
649344	4077973	0.43776	229	253	1.5	ANNUAL	ALL	1	Grid Receptor 44	G44
649344	4077573	0.7191	253.3	259	1.5	ANNUAL	ALL	1	Grid Receptor 45	G45
649344	4076373	0.83398	220.2	263	1.5	ANNUAL	ALL	1	Grid Receptor 48	G48
649344	4075973	0.2975	227.2	227.2	1.5	ANNUAL	ALL	1	Grid Receptor 49	G49
647744	4077573	0.19379	163.8	171	1.5	ANNUAL	ALL	1	Grid Receptor 5	G5
649344	4075573	0.18232	205.5	300	1.5	ANNUAL	ALL	1	Grid Receptor 50	G50
649744	4079173	0.06376	176.1	830	1.5	ANNUAL	ALL	1	Grid Receptor 51	G51
649744	4078773	0.0908	195	813	1.5	ANNUAL	ALL	1	Grid Receptor 52	G52
649744	4078373	0.13688	196.1	227	1.5	ANNUAL	ALL	1	Grid Receptor 53	G53
649744	4077973	0.26098	215.3	251	1.5	ANNUAL	ALL	1	Grid Receptor 54	G54
649744	4077573	0.76267	221.6	259	1.5	ANNUAL	ALL	1	Grid Receptor 55	G55
649744	4076373	1.54143	211.7	266	1.5	ANNUAL	ALL	1	Grid Receptor 58	G58
649744	4075973	0.50593	237.7	257	1.5	ANNUAL	ALL	1	Grid Receptor 59	G59
647744	4077173	0.18052	158.4	171	1.5	ANNUAL	ALL	1	Grid Receptor 6	G6

08/31/21

* AERMET (21112): 2018

14:20:50

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

669744 4075573 0.26041 204.2 309 1.5 ANNUAL ALL 1 Grid Receptor 60 G60 650144 4078773 0.05649 173 830 1.5 ANNUAL ALL 1 Grid Receptor 62 G62 650144 4078773 0.07653 171 830 1.5 ANNUAL ALL 1 Grid Receptor 62 G62 650144 4078773 0.0797797 0.07976 216.5 209 1.5 ANNUAL ALL 1 Grid Receptor 63 G63 650144 4077973 0.079707 0.0797	X	Υ	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
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650544 4075973 0.6829 226.7 287 1.5 ANNUAL ALL 1 Grid Receptor 79 G79 G47744 4076373 0.10102 164 164 1.5 ANNUAL ALL 1 Grid Receptor 8 G8 G8044 4075573 0.22842 268.2 287 1.5 ANNUAL ALL 1 Grid Receptor 80 G80 G80 G8044 4079173 0.04567 181.3 830 1.5 ANNUAL ALL 1 Grid Receptor 81 G81 G81 G8044 4078773 0.05625 178.4 830 1.5 ANNUAL ALL 1 Grid Receptor 82 G82 G82 G8044 4078373 0.08641 214.8 830 1.5 ANNUAL ALL 1 Grid Receptor 83 G83 G80 G	650544	4077573	0.16253	261.3	287	1.5	ANNUAL	ALL	1	Grid Receptor 75	G75
647744 4076373 0.10102 164 164 1.5 ANNUAL ALL 1 Grid Receptor 8 G8 650544 4075573 0.22842 268.2 287 1.5 ANNUAL ALL 1 Grid Receptor 80 G80 650944 4079173 0.04567 181.3 830 1.5 ANNUAL ALL 1 Grid Receptor 81 G81 650944 4078773 0.05625 178.4 830 1.5 ANNUAL ALL 1 Grid Receptor 82 G82 650944 4078373 0.08641 214.8 830 1.5 ANNUAL ALL 1 Grid Receptor 83 G83 650944 4077973 0.12246 249.9 813 1.5 ANNUAL ALL 1 Grid Receptor 84 G84 650944 4077773 0.8038 276.5 296 1.5 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076773 0.5962 219.8	650544	4076373	0.79673	260.9	260.9	1.5	ANNUAL	ALL	1	Grid Receptor 78	G78
647744 4076373 0.10102 164 164 1.5 ANNUAL ALL 1 Grid Receptor 8 G8 650544 4075573 0.22842 268.2 287 1.5 ANNUAL ALL 1 Grid Receptor 80 G80 650944 4079173 0.04567 181.3 830 1.5 ANNUAL ALL 1 Grid Receptor 81 G81 650944 4078773 0.05625 178.4 830 1.5 ANNUAL ALL 1 Grid Receptor 82 G82 650944 4078373 0.08641 214.8 830 1.5 ANNUAL ALL 1 Grid Receptor 83 G83 650944 4077973 0.12246 249.9 813 1.5 ANNUAL ALL 1 Grid Receptor 84 G84 650944 4077773 0.38020 225.6 296 1.5 ANNUAL ALL 1 Grid Receptor 85 G85 650944 4076773 0.5962 219.8	650544	4075973	0.6829	226.7	287	1.5	ANNUAL	ALL	1	Grid Receptor 79	G79
650544 4075573 0.22842 268.2 287 1.5 ANNUAL ALL 1 Grid Receptor 80 G80 650944 4079173 0.04567 181.3 830 1.5 ANNUAL ALL 1 Grid Receptor 81 G81 650944 4078773 0.05625 178.4 830 1.5 ANNUAL ALL 1 Grid Receptor 82 G82 650944 4078373 0.08641 214.8 830 1.5 ANNUAL ALL 1 Grid Receptor 83 G83 650944 4077573 0.08038 276.5 296 1.5 ANNUAL ALL 1 Grid Receptor 85 G85 650944 4077573 0.08038 276.5 296 1.5 ANNUAL ALL 1 Grid Receptor 85 G85 650944 4076773 0.9962 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076373 0.5962 219.8	647744	4076373	0.10102	164	164	1.5	ANNUAL	ALL	1		G8
650944 4078773 0.05625 178.4 830 1.5 ANNUAL ALL 1 Grid Receptor 82 G82 650944 4078373 0.08641 214.8 830 1.5 ANNUAL ALL 1 Grid Receptor 83 G83 650944 4077973 0.12246 249.9 813 1.5 ANNUAL ALL 1 Grid Receptor 84 G84 650944 4077573 0.08038 276.5 296 1.5 ANNUAL ALL 1 Grid Receptor 85 G85 650944 4077173 0.38207 225.6 296 1.5 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076773 0.5962 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 87 G87 650944 4076373 0.59865 209.2 273 1.5 ANNUAL ALL 1 Grid Receptor 88 G88 650944 4075973 0.50892 216.6	650544	4075573	0.22842	268.2	287	1.5	ANNUAL	ALL	1		G80
650944 4078373 0.08641 214.8 830 1.5 ANNUAL ALL 1 Grid Receptor 83 G83 650944 4077973 0.12246 249.9 813 1.5 ANNUAL ALL 1 Grid Receptor 84 G84 650944 4077573 0.08038 276.5 296 1.5 ANNUAL ALL 1 Grid Receptor 85 G85 650944 4077173 0.38207 225.6 296 1.5 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076773 0.5962 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 87 G87 650944 4076373 0.5962 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 87 G87 650944 4076373 0.5962 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 88 G88 650944 4075973 0.5965 209.2 273 1.5 ANNUAL ALL 1 Grid Receptor 88 G88 650944 4075973 0.50892 216.6 287 1.5 ANNUAL ALL 1 Grid Receptor 89 G89 647744 4075973 0.06649 160.7 160.7 1.5 ANNUAL ALL 1 Grid Receptor 99 G9 650944 4075573 0.36849 243.2 289 1.5 ANNUAL ALL 1 Grid Receptor 90 G90 651344 4079173 0.0397 191 830 1.5 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.04969 181 830 1.5 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078773 0.04969 181 830 1.5 ANNUAL ALL 1 Grid Receptor 93 G93 651344 4078773 0.04969 181 830 1.5 ANNUAL ALL 1 Grid Receptor 93 G93 651344 407973 0.11083 248.4 826 1.5 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.15906 213.2 826 1.5 ANNUAL ALL 1 Grid Receptor 95 G95 651344 407773 0.23552 213.6 813 1.5 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077173 0.23552 213.6 813 1.5 ANNUAL ALL 1 Grid Receptor 96 G96 651344 407773 0.23952 213.6 813 1.5 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076773 0.29938 203.5 813 1.5 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.29938 203.5 813 1.5 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076773 0.29938 203.5 813 1.5 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.34097 205.6 220 1.5 ANNUAL ALL 1 Grid Receptor 98 G98	650944	4079173	0.04567	181.3	830	1.5	ANNUAL	ALL	1	Grid Receptor 81	G81
650944 4077973 0.12246 249.9 813 1.5 ANNUAL ALL 1 Grid Receptor 84 G84 650944 4077573 0.08038 276.5 296 1.5 ANNUAL ALL 1 Grid Receptor 85 G85 650944 4077173 0.38207 225.6 296 1.5 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076773 0.5962 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 87 G87 650944 4076373 0.59862 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 87 G87 650944 4075973 0.50892 216.6 287 1.5 ANNUAL ALL 1 Grid Receptor 88 G88 647744 4075973 0.06649 160.7 1.5 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075573 0.36849 243.2 289	650944	4078773	0.05625	178.4	830	1.5	ANNUAL	ALL	1	Grid Receptor 82	G82
650944 4077573 0.08038 276.5 296 1.5 ANNUAL ALL 1 Grid Receptor 85 G85 650944 4077173 0.38207 225.6 296 1.5 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076773 0.5962 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 87 G87 650944 4076373 0.59365 209.2 273 1.5 ANNUAL ALL 1 Grid Receptor 88 G88 650944 4075973 0.59892 216.6 287 1.5 ANNUAL ALL 1 Grid Receptor 89 G89 647744 4075973 0.06649 160.7 160.7 1.5 ANNUAL ALL 1 Grid Receptor 89 G89 650944 4075973 0.36849 243.2 289 1.5 ANNUAL ALL 1 Grid Receptor 90 G9 651344 4079173 0.0397 191	650944	4078373	0.08641	214.8	830	1.5	ANNUAL	ALL	1	Grid Receptor 83	G83
650944 4077173 0.38207 225.6 296 1.5 ANNUAL ALL 1 Grid Receptor 86 G86 650944 4076773 0.5962 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 87 G87 650944 4076373 0.59365 209.2 273 1.5 ANNUAL ALL 1 Grid Receptor 88 G88 650944 4075973 0.50892 216.6 287 1.5 ANNUAL ALL 1 Grid Receptor 89 G89 647744 4075973 0.06649 160.7 160.7 1.5 ANNUAL ALL 1 Grid Receptor 89 G89 650944 4075573 0.36849 243.2 289 1.5 ANNUAL ALL 1 Grid Receptor 90 G90 651344 4079173 0.0397 191 830 1.5 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078373 0.04969 181	650944	4077973	0.12246	249.9	813	1.5	ANNUAL	ALL	1	Grid Receptor 84	G84
650944 4076773 0.5962 219.8 267 1.5 ANNUAL ALL 1 Grid Receptor 87 G87 650944 4076373 0.59365 209.2 273 1.5 ANNUAL ALL 1 Grid Receptor 88 G88 650944 4075973 0.50892 216.6 287 1.5 ANNUAL ALL 1 Grid Receptor 89 G89 647744 4075973 0.06649 160.7 1.5 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075573 0.36849 243.2 289 1.5 ANNUAL ALL 1 Grid Receptor 90 G90 651344 4079173 0.0397 191 830 1.5 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.04969 181 830 1.5 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078373 0.07839 214.3 830	650944	4077573	0.08038	276.5	296	1.5	ANNUAL	ALL	1	Grid Receptor 85	G85
650944 4076373 0.59365 209.2 273 1.5 ANNUAL ALL 1 Grid Receptor 88 G88 650944 4075973 0.50892 216.6 287 1.5 ANNUAL ALL 1 Grid Receptor 89 G89 647744 4075973 0.06649 160.7 160.7 1.5 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075573 0.36849 243.2 289 1.5 ANNUAL ALL 1 Grid Receptor 90 G90 651344 4079173 0.0397 191 830 1.5 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.04969 181 830 1.5 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078373 0.07839 214.3 830 1.5 ANNUAL ALL 1 Grid Receptor 93 G93 651344 4077773 0.11083 248.4	650944	4077173	0.38207	225.6	296	1.5	ANNUAL	ALL	1	Grid Receptor 86	G86
650944 4075973 0.50892 216.6 287 1.5 ANNUAL ALL 1 Grid Receptor 89 G89 647744 4075973 0.06649 160.7 160.7 1.5 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075573 0.36849 243.2 289 1.5 ANNUAL ALL 1 Grid Receptor 90 G90 651344 4079173 0.0397 191 830 1.5 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.04969 181 830 1.5 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078373 0.07839 214.3 830 1.5 ANNUAL ALL 1 Grid Receptor 93 G93 651344 4077973 0.11083 248.4 826 1.5 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077173 0.23552 213.6	650944	4076773	0.5962	219.8	267	1.5	ANNUAL	ALL	1	Grid Receptor 87	G87
647744 4075973 0.06649 160.7 1.5 ANNUAL ALL 1 Grid Receptor 9 G9 650944 4075573 0.36849 243.2 289 1.5 ANNUAL ALL 1 Grid Receptor 90 G90 651344 4079173 0.0397 191 830 1.5 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.04969 181 830 1.5 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078373 0.07839 214.3 830 1.5 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4077973 0.11083 248.4 826 1.5 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.15906 213.2 826 1.5 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4076773 0.29938 203.5 813	650944	4076373	0.59365	209.2			ANNUAL	ALL	1	Grid Receptor 88	G88
650944 4075573 0.36849 243.2 289 1.5 ANNUAL ALL 1 Grid Receptor 90 G90 651344 4079173 0.0397 191 830 1.5 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.04969 181 830 1.5 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078373 0.07839 214.3 830 1.5 ANNUAL ALL 1 Grid Receptor 93 G93 651344 4077973 0.11083 248.4 826 1.5 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.15906 213.2 826 1.5 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4076773 0.29938 203.5 813 1.5 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.34097 205.6	650944			216.6	287	1.5	ANNUAL	ALL	1		G89
651344 4079173 0.0397 191 830 1.5 ANNUAL ALL 1 Grid Receptor 91 G91 651344 4078773 0.04969 181 830 1.5 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078373 0.07839 214.3 830 1.5 ANNUAL ALL 1 Grid Receptor 93 G93 651344 4077973 0.11083 248.4 826 1.5 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.15906 213.2 826 1.5 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077173 0.23552 213.6 813 1.5 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.29938 203.5 813 1.5 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.34097 205.6				160.7	160.7	1.5			1		
651344 4078773 0.04969 181 830 1.5 ANNUAL ALL 1 Grid Receptor 92 G92 651344 4078373 0.07839 214.3 830 1.5 ANNUAL ALL 1 Grid Receptor 93 G93 651344 4077973 0.11083 248.4 826 1.5 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.15906 213.2 826 1.5 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077173 0.23552 213.6 813 1.5 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.29938 203.5 813 1.5 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.34097 205.6 220 1.5 ANNUAL ALL 1 Grid Receptor 98 G98		4075573	0.36849	243.2	289	1.5	ANNUAL	ALL	1		G90
651344 4078373 0.07839 214.3 830 1.5 ANNUAL ALL 1 Grid Receptor 93 G93 651344 4077973 0.11083 248.4 826 1.5 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.15906 213.2 826 1.5 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077173 0.23552 213.6 813 1.5 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.29938 203.5 813 1.5 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.34097 205.6 220 1.5 ANNUAL ALL 1 Grid Receptor 98 G98	651344		0.0397	191	830	1.5	ANNUAL	ALL	1	Grid Receptor 91	G91
651344 4077973 0.11083 248.4 826 1.5 ANNUAL ALL 1 Grid Receptor 94 G94 651344 4077573 0.15906 213.2 826 1.5 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077173 0.23552 213.6 813 1.5 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.29938 203.5 813 1.5 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.34097 205.6 220 1.5 ANNUAL ALL 1 Grid Receptor 98 G98			0.04969	181	830	1.5		ALL	1	Grid Receptor 92	G92
651344 4077573 0.15906 213.2 826 1.5 ANNUAL ALL 1 Grid Receptor 95 G95 651344 4077173 0.23552 213.6 813 1.5 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.29938 203.5 813 1.5 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.34097 205.6 220 1.5 ANNUAL ALL 1 Grid Receptor 98 G98			0.07839	214.3	830			ALL	1	Grid Receptor 93	
651344 4077173 0.23552 213.6 813 1.5 ANNUAL ALL 1 Grid Receptor 96 G96 651344 4076773 0.29938 203.5 813 1.5 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.34097 205.6 220 1.5 ANNUAL ALL 1 Grid Receptor 98 G98									1		
651344 4076773 0.29938 203.5 813 1.5 ANNUAL ALL 1 Grid Receptor 97 G97 651344 4076373 0.34097 205.6 220 1.5 ANNUAL ALL 1 Grid Receptor 98 G98			0.15906		826			ALL	1	Grid Receptor 95	
651344 4076373 0.34097 205.6 220 1.5 ANNUAL ALL 1 Grid Receptor 98 G98					813	1.5			1		
		4076773	0.29938		813	1.5		ALL	1	Grid Receptor 97	G97
651344 4075973 0.31599 205.8 269 1.5 ANNUAL ALL 1 Grid Receptor 99 G99	651344		0.34097	205.6	220				1		G98
	651344	4075973	0.31599	205.8	269	1.5	ANNUAL	ALL	1	Grid Receptor 99	G99

08/31/21

* AERMET (21112): 2018

14:20:50

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

649484,05 4077537 0.82961 22401 227 1.5 ANNUAL ALL 1 Boundary Perimeter 10 P10	* FORN	/IA1: (A,1X	,3(1X,F13.5),3(1X,F8	2),2X,A6,22	1,A0,2A,10.	.8,2X,A8)					
64988403 4077549 1.27495 235.3 259 1.5 ANNUAL ALL 1 Boundary Perimeter 12 P12			AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
64984 Q-77540 Q-95004 Z-12-9 Z-959 1.5 ANNUAL ALL 1 Boundary Perimeter 12 P12	649484.05	4077537	0.82951	254.01	257	1.5	ANNUAL	ALL	1	Boundary Perimeter 10	P10
649784 4077541 0.8133 222.37 260 1.5 ANNUAL ALL 1 Boundary Perimeter 13 P13 (64983.97 4077542 0.7312 233.6 259 1.5 ANNUAL ALL 1 Boundary Perimeter 15 P15 (65083.97 4077543 0.47257 249.54 259 1.5 ANNUAL ALL 1 Boundary Perimeter 15 P15 (65083.94 4077546 0.27021 28.8.89 258.89 1.5 ANNUAL ALL 1 Boundary Perimeter 16 P16 (65083.94 4077546 0.27021 28.8.95 259.56 259.56 1.5 ANNUAL ALL 1 Boundary Perimeter 17 P17 (65083.87 4077555 0.23589 229.56 259.56 1.5 ANNUAL ALL 1 Boundary Perimeter 18 P18 (65083.87 4077555 0.235154 242.23 290 1.5 ANNUAL ALL 1 Boundary Perimeter 18 P18 (65083.81 4077554 0.32215 242.23 296 1.5 ANNUAL ALL 1 Boundary Perimeter 20 P20 (65083.81 4077555 0.18157 259.71 290 1.5 ANNUAL ALL 1 Boundary Perimeter 20 P20 (65083.81 4077557 0.18157 259.71 290 1.5 ANNUAL ALL 1 Boundary Perimeter 20 P20 (65083.75 4077559 0.19294 257.58 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 (650776.81 4077554 0.12255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 (650776.81 4077554 0.12255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 (650776.81 4077554 0.12255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 (65078.14 4077554 0.12255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 (65078.14 4077554 0.1255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 (65078.14 4077554 0.1255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 (65078.14 4077554 0.1255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 (65078.14 4077554 0.1256 27.59 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P25 (65078.19 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P25 (65078.19 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P25 (65078.19 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P25 (65078.19 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P25 (65078.19 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P25 (65078.19 4077654 0.78996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 (65092.14 28 26.75 20.75 26.75 26.75 26.75 26.	649584.03	4077539	1.27495	235.3	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 11	P11
64988.399 4077542 0.7312 233.6 259 1.5 ANNUAL ALL Boundary Perimeter 15 P15	649684.02	4077540	0.95004	221.29	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 12	P12
649983.97 4077543 0.47257 249.54 259 1.5 ANNUAL ALL 1 Boundary Perimeter 15 P15	649784	4077541	0.8133	222.37	260	1.5	ANNUAL	ALL	1	Boundary Perimeter 13	P13
650083.94 4077546 0.27021 258.89 258.89 1.5 ANNUAL ALL 1 Boundary Perimeter 16 P16 650183.91 4077548 0.23589 259.56 259.56 1.5 ANNUAL ALL 1 Boundary Perimeter 17 P17 650283.87 4077550 0.23677 256.77 266 1.5 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552 0.35154 242.23 290 1.5 ANNUAL ALL 1 Boundary Perimeter 19 P19 650383.84 40775552 0.35154 242.23 296 1.5 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077557 0.18157 259.71 290 1.5 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077557 0.18157 259.71 290 1.5 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.78 4077554 0.12255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.12255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077454 0.11268 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 24 P24 650783.1 4077254 0.35687 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077254 0.35687 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650783.1 4077254 0.35687 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.39 4076656 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650791.48 4076854 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P33 65060.22 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P33 650660.22 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P33 6506	649883.99	4077542	0.7312	233.6	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 14	
650183.91 4077548 0.23589 259.56 259.56 1.5 ANNUAL ALL 1 Boundary Perimeter 17 P.17	649983.97	4077543	0.47257	249.54	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 15	P15
650283.87 4077550 0.23677 256.77 266 1.5 ANNUAL ALL 1 Boundary Perimeter 18 P18 650383.84 4077552 0.35154 242.37 290 1.5 ANNUAL ALL 1 Boundary Perimeter 19 P19 650483.81 4077554 0.32215 242.23 296 1.5 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077557 0.18157 259.71 290 1.5 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077559 0.19294 257.58 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.12255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.11268 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077454 0.11268 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077354 0.18743 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 24 P24 650783.1 4077254 0.35687 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.39 4076554 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650793.57 407654 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 407654 0.87696 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 407654 0.87696 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076660 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650642.79 4076666 2.77889 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650642.74 4076668 4.04461 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 2.77889 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650064.	650083.94	4077546	0.27021	258.89	258.89	1.5	ANNUAL	ALL	1	Boundary Perimeter 16	P16
650383.84 4077552 0.35154 242.37 290 1.5 ANNUAL ALL 1 Boundary Perimeter 19 P19 650483.81 4077554 0.32215 242.23 296 1.5 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077559 0.18157 2597.1 290 1.5 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077559 0.19294 257.58 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.12255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 23 P23 65078.81 4077354 0.11268 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077354 0.18743 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 25 P25 650785.19 4077154 0.35687 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077154 0.358851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077154 0.358851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854 0.05447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076684 0.7353 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650561.43 4076660 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076660 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650660.24 4076688 4.29631 22.319 263 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 64980.4	650183.91	4077548	0.23589	259.56	259.56	1.5	ANNUAL	ALL	1	Boundary Perimeter 17	
650783.81 4077554 0.32215 242.23 296 1.5 ANNUAL ALL 1 Boundary Perimeter 20 P20 650583.78 4077557 0.18157 259.71 290 1.5 ANNUAL ALL 1 Boundary Perimeter 21 P21 650768.75 4077559 0.19294 257.58 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.12255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077454 0.11268 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 24 P24 65078.1 4077254 0.38651 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077254 0.38651 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650788.1 4077154 0.38651 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650788.94 4077154 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650798.38 4076954 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.84 4076854 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.84 4076854 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076668 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650764.29 4076660 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 65046.22 4076660 1.73851 221.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 65046.22 4076660 1.73851 221.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 65046.22 4076660 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 65046.22 40	650283.87	4077550	0.23677	256.77	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 18	P18
650583.78 4077557 0.18157 259.71 290 1.5 ANNUAL ALL 1 Boundary Perimeter 21 P21 650683.75 4077559 0.19294 257.58 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.12255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 23 P23 65078.91 4077454 0.11268 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 24 P24 65078.1 4077354 0.18743 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077254 0.35687 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854 0.7353 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854 0.7353 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650763.39 4076683 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650561.43 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650661.43 40766650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P33 650561.43 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P34 650462.72 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076683 4.09661 2.23819 266 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 64980.44 4076667 3.69205 24.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 4.10931 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 40	650383.84	4077552	0.35154	242.37	290	1.5	ANNUAL	ALL	1	Boundary Perimeter 19	P19
65068.75 4077559 0.19294 257.58 296 1.5 ANNUAL ALL 1 Boundary Perimeter 22 P22 650776.81 4077554 0.11255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 23 P23 65078.1 4077354 0.11268 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077354 0.18743 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077254 0.35687 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650788.1 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 65078.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650793.57 4076754 0.7533 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.39 4076683 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650764.39 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 65060.22 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 4.29631 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 4.10931 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 4076660 3.80349 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 409065.8 4076660 3.80349 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 4076547	650483.81	4077554	0.32215	242.23	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 20	P20
650776.81 4077554 0.12255 267.9 296 1.5 ANNUAL ALL 1 Boundary Perimeter 23 P23 650778.91 4077454 0.11268 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 24 P24 650781 4077354 0.18743 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077254 0.35687 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650783.3 4076954 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076684 0.7353 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650660.22 4076660 1.23881 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076666 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 65066.21 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650364.24 4076683 4.29631 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650364.24 4076684 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 4.10931 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 640980.44 4076673 3.05205 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 640980.44 4076674 2.42355 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 4076547 3.05814 214.91 264 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 64980.26 4076375 1.	650583.78	4077557	0.18157	259.71	290	1.5	ANNUAL	ALL	1	Boundary Perimeter 21	P21
650778.91 4077454 0.11268 275.91 275.91 1.5 ANNUAL ALL 1 Boundary Perimeter 24 P24	650683.75	4077559	0.19294	257.58	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 22	P22
650781 4077354 0.18743 265.73 281 1.5 ANNUAL ALL 1 Boundary Perimeter 25 P25 650783.1 4077254 0.35687 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650788.38 4076954 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076653 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4	650776.81	4077554	0.12255	267.9	296	1.5	ANNUAL	ALL	1	Boundary Perimeter 23	P23
650783.1 4077254 0.35687 251.08 282 1.5 ANNUAL ALL 1 Boundary Perimeter 26 P26 650785.19 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854 0.7353 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650795.39 4076658 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650660.22 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 65066.143	650778.91	4077454	0.11268	275.91	275.91	1.5	ANNUAL	ALL	1	Boundary Perimeter 24	P24
650785.19 4077154 0.38851 252.83 281 1.5 ANNUAL ALL 1 Boundary Perimeter 27 P27 650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854 0.7353 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650764.39 4076683 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650561.43 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P35 650462.72 <td< td=""><td>650781</td><td>4077354</td><td>0.18743</td><td>265.73</td><td>281</td><td>1.5</td><td>ANNUAL</td><td>ALL</td><td>1</td><td>Boundary Perimeter 25</td><td>P25</td></td<>	650781	4077354	0.18743	265.73	281	1.5	ANNUAL	ALL	1	Boundary Perimeter 25	P25
650787.29 4077054 0.55119 246.1 269 1.5 ANNUAL ALL 1 Boundary Perimeter 28 P28 650789.38 4076954 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854 0.7353 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650561.43 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650462.72 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 <td< td=""><td>650783.1</td><td>4077254</td><td>0.35687</td><td>251.08</td><td>282</td><td>1.5</td><td>ANNUAL</td><td>ALL</td><td>1</td><td>Boundary Perimeter 26</td><td>P26</td></td<>	650783.1	4077254	0.35687	251.08	282	1.5	ANNUAL	ALL	1	Boundary Perimeter 26	P26
650789.38 4076954 0.69447 241.37 269 1.5 ANNUAL ALL 1 Boundary Perimeter 29 P29 650791.48 4076854 0.7353 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 65051.43 4076650 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 660462.72 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 4.29631 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 4.10931 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650065.8 4076660 3.80349 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 64998.0.4 4076667 3.05814 214.91 264 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 64998.0.4 4076674 3.05814 214.91 264 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 64920.2 64 4076547 3.05814 214.91 266 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 64968.0.4 4076375 1.62208 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 64985.91 4076375 1.62208 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076375 1.62208 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44 64988.04 4076384 1.26668 207.5 264 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44 64988.04 4076384 1.26668 207.5 264 1.5 ANNUAL ALL 1 Boundary Perimeter 45 P45 64988.48 4076384 1.26668 207.5 264 1.5 ANNUAL ALL 1 Boundary Perimeter 45 P45 64988.48 4076384 1.26668 207.5 264 1.5 ANNUAL ALL 1 Boundary Perimeter 46 P46 649391.59 4076425 1.37267 205.17 264 1.5 ANNUAL ALL 1 Boundary Perimeter 47 P47	650785.19	4077154	0.38851	252.83	281	1.5	ANNUAL	ALL	1	Boundary Perimeter 27	P27
650791.48 4076854 0.7353 246.79 251 1.5 ANNUAL ALL 1 Boundary Perimeter 30 P30 650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650661.43 4076650 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P33 650462.72 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 <t< td=""><td>650787.29</td><td>4077054</td><td>0.55119</td><td>246.1</td><td>269</td><td>1.5</td><td>ANNUAL</td><td>ALL</td><td>1</td><td>Boundary Perimeter 28</td><td>P28</td></t<>	650787.29	4077054	0.55119	246.1	269	1.5	ANNUAL	ALL	1	Boundary Perimeter 28	P28
650793.57 4076754 0.87996 228.75 264 1.5 ANNUAL ALL 1 Boundary Perimeter 31 P31 650754.39 4076683 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 4.29631 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 <	650789.38	4076954	0.69447	241.37	269	1.5	ANNUAL	ALL	1	Boundary Perimeter 29	P29
650754.39 4076683 0.913 217.76 271 1.5 ANNUAL ALL 1 Boundary Perimeter 32 P32 650660.22 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650264.24 4076683 4.29631 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 4.29631 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 <t< td=""><td>650791.48</td><td>4076854</td><td>0.7353</td><td>246.79</td><td>251</td><td>1.5</td><td>ANNUAL</td><td>ALL</td><td>1</td><td>Boundary Perimeter 30</td><td>P30</td></t<>	650791.48	4076854	0.7353	246.79	251	1.5	ANNUAL	ALL	1	Boundary Perimeter 30	P30
650660.22 4076650 1.23831 221.2 273 1.5 ANNUAL ALL 1 Boundary Perimeter 33 P33 650561.43 4076650 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 4.29631 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076674 4.10931 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 4.10931 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 <t< td=""><td>650793.57</td><td>4076754</td><td>0.87996</td><td>228.75</td><td>264</td><td>1.5</td><td>ANNUAL</td><td>ALL</td><td>1</td><td>Boundary Perimeter 31</td><td>P31</td></t<>	650793.57	4076754	0.87996	228.75	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 31	P31
650561.43 4076650 1.73351 220.83 273 1.5 ANNUAL ALL 1 Boundary Perimeter 34 P34 650462.72 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 4.29631 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 4.10931 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 4076660 3.80349 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 649980.44 4076627 3.69205 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26	650754.39	4076683	0.913	217.76	271	1.5	ANNUAL	ALL	1	Boundary Perimeter 32	P32
650462.72 4076666 2.77859 223.42 273 1.5 ANNUAL ALL 1 Boundary Perimeter 35 P35 650364.01 4076682 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 4.29631 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 4.10931 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 4076660 3.80349 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 649980.44 4076627 3.69205 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 4076547 3.05814 214.91 264 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19	650660.22	4076650	1.23831	221.2	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 33	P33
650364.01 4076682 4.04441 222.46 263 1.5 ANNUAL ALL 1 Boundary Perimeter 36 P36 650264.24 4076683 4.29631 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 4.10931 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 4076660 3.80349 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 649980.44 4076627 3.69205 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 649920.26 4076547 3.05814 214.91 264 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19 4076474 2.42355 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68	650561.43	4076650	1.73351	220.83	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 34	P34
650264.24 4076683 4.29631 223.19 263 1.5 ANNUAL ALL 1 Boundary Perimeter 37 P37 650164.71 4076674 4.10931 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 4076660 3.80349 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 649980.44 4076627 3.69205 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 649920.26 4076547 3.69205 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 4076547 3.05814 214.91 264 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19 4076474 2.42355 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68	650462.72	4076666	2.77859	223.42	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 35	P35
650164.71 4076674 4.10931 222.1 249 1.5 ANNUAL ALL 1 Boundary Perimeter 38 P38 650065.8 4076660 3.80349 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 649980.44 4076627 3.69205 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 4076547 3.05814 214.91 264 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649852.19 4076474 2.42355 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649770.68 4076474 1.86056 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649680.48 4076375 1.62208 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44 649580.91	650364.01	4076682	4.04441	222.46	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 36	P36
650065.8 4076660 3.80349 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 649980.44 4076627 3.69205 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 4076547 3.05814 214.91 264 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19 4076474 2.42355 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076417 1.86056 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076375 1.62208 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44 649580.91 4076368 1.4387 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 45 P45 649482.48	650264.24	4076683	4.29631	223.19	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 37	P37
650065.8 4076660 3.80349 217.03 264 1.5 ANNUAL ALL 1 Boundary Perimeter 39 P39 649980.44 4076627 3.69205 214.82 264 1.5 ANNUAL ALL 1 Boundary Perimeter 40 P40 649920.26 4076547 3.05814 214.91 264 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19 4076474 2.42355 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076417 1.86056 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649680.48 4076375 1.62208 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44 649580.91 4076368 1.4387 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 45 P45 649482.48									1		
649920.26 4076547 3.05814 214.91 264 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19 4076474 2.42355 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076417 1.86056 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076375 1.62208 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44 649580.91 4076368 1.4387 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 45 P45 649482.48 4076384 1.26668 207.5 264 1.5 ANNUAL ALL 1 Boundary Perimeter 46 P46 649391.59 4076425 1.37267 205.17 264 1.5 ANNUAL ALL 1 Boundary Perimeter 47 P47	650065.8	4076660	3.80349	217.03	264		ANNUAL	ALL	1	Boundary Perimeter 39	P39
649920.26 4076547 3.05814 214.91 264 1.5 ANNUAL ALL 1 Boundary Perimeter 41 P41 649852.19 4076474 2.42355 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076417 1.86056 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076375 1.62208 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44 649580.91 4076368 1.4387 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 45 P45 649482.48 4076384 1.26668 207.5 264 1.5 ANNUAL ALL 1 Boundary Perimeter 46 P46 649391.59 4076425 1.37267 205.17 264 1.5 ANNUAL ALL 1 Boundary Perimeter 47 P47					264	1.5			1		
649852.19 4076474 2.42355 214.09 266 1.5 ANNUAL ALL 1 Boundary Perimeter 42 P42 649770.68 4076417 1.86056 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076375 1.62208 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44 649580.91 4076368 1.4387 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 45 P45 649482.48 4076384 1.26668 207.5 264 1.5 ANNUAL ALL 1 Boundary Perimeter 46 P46 649391.59 4076425 1.37267 205.17 264 1.5 ANNUAL ALL 1 Boundary Perimeter 47 P47									1		
649770.68 4076417 1.86056 211.53 266 1.5 ANNUAL ALL 1 Boundary Perimeter 43 P43 649680.48 4076375 1.62208 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44 649580.91 4076368 1.4387 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 45 P45 649482.48 4076384 1.26668 207.5 264 1.5 ANNUAL ALL 1 Boundary Perimeter 46 P46 649391.59 4076425 1.37267 205.17 264 1.5 ANNUAL ALL 1 Boundary Perimeter 47 P47									1		
649680.48 4076375 1.62208 210.17 266 1.5 ANNUAL ALL 1 Boundary Perimeter 44 P44 649580.91 4076368 1.4387 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 45 P45 649482.48 4076384 1.26668 207.5 264 1.5 ANNUAL ALL 1 Boundary Perimeter 46 P46 649391.59 4076425 1.37267 205.17 264 1.5 ANNUAL ALL 1 Boundary Perimeter 47 P47									1	<u>*</u>	
649580.91 4076368 1.4387 208.52 264 1.5 ANNUAL ALL 1 Boundary Perimeter 45 P45 649482.48 4076384 1.26668 207.5 264 1.5 ANNUAL ALL 1 Boundary Perimeter 46 P46 649391.59 4076425 1.37267 205.17 264 1.5 ANNUAL ALL 1 Boundary Perimeter 47 P47									1	<u> </u>	
649482.48 4076384 1.26668 207.5 264 1.5 ANNUAL ALL 1 Boundary Perimeter 46 P46 649391.59 4076425 1.37267 205.17 264 1.5 ANNUAL ALL 1 Boundary Perimeter 47 P47										<u>-</u>	
649391.59 4076425 1.37267 205.17 264 1.5 ANNUAL ALL 1 Boundary Perimeter 47 P47									1		
									1		
	649303.5	4076472	1.43283	202.16	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 48	P48

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* AERMET (21112): 2018

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

PORIV	1A1. (A,1A	,3(1X,F13.5),3(1X,F8	2),2A,A0,27	1,A0,2A,10.	0,2A,A0)					
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
649226.19	4076535	1.50323	196.38	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 49	P49
649156.2	4076605	1.69294	195.87	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 50	P50
649068.25	4076653	1.46895	196.32	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 51	P51
648986.7	4076711	1.36523	192.42	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 52	P52
648936.53	4076759	1.39252	192.46	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 53	P53
648868.58	4076833	1.42394	191.63	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 54	P54
648797.23	4076902	1.43256	186.32	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 55	P55
648710.56	4076952	1.22809	179.81	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 56	P56
648620.79	4076996	0.86017	176.23	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 57	P57
648607.19	4077051	1.24504	175.02	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 58	P58
648680.07	4077119	1.03724	180.62	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 59	P59
649084.12	4077532	0.67067	216.54	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 6	P6
648759.24	4077180	0.72814	183.47	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 60	P60
648791.44	4077262	0.62005	202.88	245	1.5	ANNUAL	ALL	1	Boundary Perimeter 61	P61
648788.45	4077362	0.52452	178.21	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 62	P62
648691.25	4077361	0.50436	176.25	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 63	P63
648591.35	4077357	0.49586	176	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 64	P64
648525.69	4077371	0.47391	175.24	245	1.5	ANNUAL	ALL	1	Boundary Perimeter 65	P65
648586.93	4077430	0.44665	175.13	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 66	P66
649184.09	4077534	0.83839	230.71	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 7	P7
649284.08	4077535	0.83228	248.08	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 8	P8
649384.06	4077536	0.65475	258.43	258.43	1.5	ANNUAL	ALL	1	Boundary Perimeter 9	P9
645930	4077983	0.06869	127.38	127.38	1.5	ANNUAL	ALL	1	New Development	RP G1
646030	4077983	0.0719	131.21	131.21	1.5	ANNUAL	ALL	1	New Development	RP G1
646130	4077983	0.07537	135.89	135.89	1.5	ANNUAL	ALL	1	New Development	RP G1
646230	4077983	0.07904	139.18	139.18	1.5	ANNUAL	ALL	1	New Development	RP_G1
646330	4077983	0.08289	140.76	140.76	1.5	ANNUAL	ALL	1	New Development	RP G1
646430	4077983	0.08703	143.89	143.89	1.5	ANNUAL	ALL	1	New Development	RP G1
646530	4077983	0.09131	145.22	145.22	1.5	ANNUAL	ALL	1	New Development	RP G1
646630	4077983	0.09585	147.21	147.21	1.5	ANNUAL	ALL	1	New Development	RP G1
646730	4077983	0.10058	148.3	160	1.5	ANNUAL	ALL	1	New Development	RP G1
645930	4078083	0.06937	127.58	127.58	1.5	ANNUAL	ALL	1	New Development	RP G1
646030	4078083	0.07247	130.56	130.56	1.5	ANNUAL	ALL	1	New Development	RP G1
646130	4078083	0.07574	134.35	134.35	1.5	ANNUAL	ALL	1	New Development	RP G1
646230	4078083	0.07921	139.22	139.22	1.5	ANNUAL	ALL	1	New Development	RP G1
646330	4078083	0.08288	144.65	144.65	1.5	ANNUAL	ALL	1	New Development	RP G1
646430	4078083	0.08634	142.28	142.28	1.5	ANNUAL	ALL	1	New Development	RP G1
646530	4078083	0.09029	146.76	146.76	1.5	ANNUAL	ALL	1	New Development	RP G1
646630	4078083	0.09445	150.64	150.64	1.5	ANNUAL	ALL	1	New Development	RP G1

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08/31/21

* AERMET (21112): 2018

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

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X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
646730	4078083	0.099	155.4	157	1.5	ANNUAL	ALL	1	New Development	RP_G1
645930	4078183	0.06928	127.22	127.22	1.5	ANNUAL	ALL	1	New Development	RP G1
646030	4078183	0.07208	130.56	130.56	1.5	ANNUAL	ALL	1	New Development	RP G1
646130	4078183	0.07499	133.89	133.89	1.5	ANNUAL	ALL	1	New Development	RP G1
646230	4078183	0.07814	140.45	140.45	1.5	ANNUAL	ALL	1	New Development	RP G1
646330	4078183	0.0815	146.94	146.94	1.5	ANNUAL	ALL	1	New Development	RP G1
646430	4078183	0.08442	140.23	140.23	1.5	ANNUAL	ALL	1	New Development	RP G1
646530	4078183	0.08821	147.25	147.25	1.5	ANNUAL	ALL	1	New Development	RP G1
646630	4078183	0.09222	151.56	151.56	1.5	ANNUAL	ALL	1	New Development	RP G1
646730	4078183	0.09682	157.78	166	1.5	ANNUAL	ALL	1	New Development	RP G1
645930	4078283	0.06823	126.06	126.06	1.5	ANNUAL	ALL	1	New Development	RP G1
646030	4078283	0.07077	129.56	129.56	1.5	ANNUAL	ALL	1	New Development	RP G1
646130	4078283	0.07344	132.89	132.89	1.5	ANNUAL	ALL	1	New Development	RP G1
646230	4078283	0.07638	139.24	139.24	1.5	ANNUAL	ALL	1	New Development	RP G1
646330	4078283	0.07945	142.68	142.68	1.5	ANNUAL	ALL	1	New Development	RP_G1
646430	4078283	0.0825	140.02	140.02	1.5	ANNUAL	ALL	1	New Development	RP G1
646530	4078283	0.08624	147.22	147.22	1.5	ANNUAL	ALL	1	New Development	RP G1
646630	4078283	0.09017	151.56	151.56	1.5	ANNUAL	ALL	1	New Development	RP G1
646730	4078283	0.09452	156.78	166	1.5	ANNUAL	ALL	1	New Development	RP G1
648659.32	4077241	0.65392	205.79	205.79	1.5	ANNUAL	ALL	1	House 1	RP H1
648071.24	4076116	0.09167	169.6	240	1.5	ANNUAL	ALL	1	House 10	RP H10
648247.37	4076278	0.12728	184.55	240	1.5	ANNUAL	ALL	1	House 11	RP H11
648027.19	4076255	0.10531	169.38	240	1.5	ANNUAL	ALL	1	House 12	RP H12
648065.77	4076359	0.12467	173.83	240	1.5	ANNUAL	ALL	1	House 13	RP H13
648138.68	4076400	0.13913	178.22	240	1.5	ANNUAL	ALL	1	House 14	RP H14
648254.71	4076411	0.15856	191.28	240	1.5	ANNUAL	ALL	1	House 15	RP H15
647877.81	4076365	0.10984	165.39	240	1.5	ANNUAL	ALL	1	House 16	RP H16
647520	4076206	0.07579	159	159	1.5	ANNUAL	ALL	1	House 17	RP H17
647921	4076247	0.09762	164	240	1.5	ANNUAL	ALL	1	House 18	RP H18
647708.78	4076352	0.09693	163.52	163.52	1.5	ANNUAL	ALL	1	House 19	RP H19
648371.71	4075470	0.06917	173.69	227	1.5	ANNUAL	ALL	1	House 2	RP H2
647703.58	4076251	0.08734	162.17	162.17	1.5	ANNUAL	ALL	1	House 20	RP H20
647718.77	4076104	0.07347	159.35	159.35	1.5	ANNUAL	ALL	1	House 21	RP H21
647843.32	4076125	0.08027	163	234	1.5	ANNUAL	ALL	1	House 22	RP H22
647842.26	4076500	0.12049	167.93	167.93	1.5	ANNUAL	ALL	1	House 23	RP H23
	4076644	0.12373	164.15	164.15	1.5	ANNUAL	ALL	1	House 24	RP H24
647727.75										
647727.75 647823.91		0.13362	168.29	168.29	1.5	ANNUAL	ALL	1	House 25	RP H25
647727.75 647823.91 647530	4076644 4076497	0.13362 0.09544	168.29 159.56	168.29 159.56	1.5 1.5	ANNUAL ANNUAL	ALL ALL	1	House 25 House 26	RP_H25 RP H26

08/31/21

* AERMET (21112): 2018

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

X	Y	AVERAGE CONC	, , , , , , , , , , , , , , , , , , , ,		ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
647697.48	4076989	0.15612	161.42	162	1.5	ANNUAL	ALL	1	House 28	RP H28
648225.5	4076182	0.11061	183.22	240	1.5	ANNUAL	ALL	1	House 29	RP H29
647678.23	4075969	0.06382	159.5	159.5	1.5	ANNUAL	ALL	1	House 3	RP H3
645876.32	4077487	0.05679	127.13	142	1.5	ANNUAL	ALL	1	House 30	RP H30
650902	4076062	0.55771	215.24	287	1.5	ANNUAL	ALL	1	House 31	RP H31
651490	4076597	0.27609	205.5	813	1.5	ANNUAL	ALL	1	House 32	RP H32
651565	4077067	0.2237	213.93	813	1.5	ANNUAL	ALL	1	House 33	RP H33
648672.77	4075307	0.08236	225.91	227	1.5	ANNUAL	ALL	1	House 34	RP H34
648383.6	4075469	0.06953	174.44	227	1.5	ANNUAL	ALL	1	House 35	RP H35
646379.37	4077233	0.06646	146	146	1.5	ANNUAL	ALL	1	House 36	RP H36
651849.72	4075865	0.20384	201.97	333	1.5	ANNUAL	ALL	1	House 37	RP H37
652045.49	4076210	0.17198	196.88	813	1.5	ANNUAL	ALL	1	House 38	RP H38
652255.69	4076391	0.17198	197.06	813	1.5	ANNUAL	ALL	1	House 39	RP_H39
647815.25	4075985	0.14243	162.04	162.04	1.5	ANNUAL	ALL	1	House 4	RP H4
646853.73	4077373	0.09689	145.99	145.99	1.5	ANNUAL	ALL	1	House 40	RP H40
647050.21	4077360	0.111	145	145	1.5	ANNUAL	ALL	1	House 41	RP H41
647286.42	4077474	0.13931	149.68	153	1.5	ANNUAL	ALL	1	House 42	RP H42
647359.05	4077340	0.14106	154.45	159	1.5	ANNUAL	ALL	1	House 43	RP H43
647490.41	4077329	0.15778	162.28	162.28	1.5	ANNUAL	ALL	1	House 44	RP H44
647522.17	4077252	0.15403	164.3	164.3	1.5	ANNUAL	ALL	1	House 45	RP H45
647517.82	4077139	0.14226	164.01	164.01	1.5	ANNUAL	ALL	1	House 46	RP H46
646819.01	4077258	0.08769	151.53	152	1.5	ANNUAL	ALL	1	House 47	RP H47
646778.72		0.08216	158.51	158.51	1.5	ANNUAL	ALL	1	House 48	RP H48
646987.26	4077213	0.09589	146.44	146.44	1.5	ANNUAL	ALL	1	House 49	RP H49
647898.2	4076033	0.07618	163.83	237	1.5	ANNUAL	ALL	1	House 5	RP H5
647241.77	4077227	0.11739	154.85	154.85	1.5	ANNUAL	ALL	1	House 50	RP H50
646773.05	4077063	0.08089	159	159	1.5	ANNUAL	ALL	1	House 51	RP H51
647104.37	4077118	0.10094	148.99	148.99	1.5	ANNUAL	ALL	1	House 52	RP H52
647291.9	4077123	0.11667	158.62	158.62	1.5	ANNUAL	ALL	1	House 53	RP H53
646765.24	4076978	0.0785	158.67	158.67	1.5	ANNUAL	ALL	1	House 54	RP H54
646995.65	4076984	0.09026	152.34	152.34	1.5	ANNUAL	ALL	1	House 55	RP H55
647317.21	4077031	0.11572	160.22	160.22	1.5	ANNUAL	ALL	1	House 56	RP H56
647398.39	4077013	0.12237	161.26	161.26	1.5	ANNUAL	ALL	1	House 57	RP H57
646978.93	4076904	0.08594	156.81	156.81	1.5	ANNUAL	ALL	1	House 58	RP H58
647015.19	4076807	0.08335	156.21	156.21	1.5	ANNUAL	ALL	1	House 59	RP H59
648045.44	4076018	0.08378	168.26	240	1.5	ANNUAL	ALL	1	House 6	RP H6
647163.96	4076802	0.09134	154.38	154.38	1.5	ANNUAL	ALL	1	House 60	RP H60
647310.58	4076940	0.11035	162.49	162.49	1.5	ANNUAL	ALL	1	House 61	RP H61
647298.09		0.10044	158	158	1.5	ANNUAL	ALL	1	House 62	RP H62
07/2/0.09	1070003	0.10077	150	150	1.5	THUML	ALL	1	110030 02	_1102

08/31/21

* AERMET (21112): 2018

14:20:50

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
647446.56	4076900	0.11914	159.45	159.45	1.5	ANNUAL	ALL	1	House 63	RP_H63
647464.49	4076781	0.11198	159.32	159.32	1.5	ANNUAL	ALL	1	House 64	RP_H64
647512	4076536	0.09754	159	159	1.5	ANNUAL	ALL	1	House 65	RP_H65
651131	4078767	0.05258	179.58	830	1.5	ANNUAL	ALL	1	House 66	RP_H66
647131	4077336	0.11624	146.77	146.77	1.5	ANNUAL	ALL	1	House 67	RP_H67
646798	4076740	0.07148	156.07	156.07	1.5	ANNUAL	ALL	1	House 68	RP_H68
646900	4076802	0.07776	159	159	1.5	ANNUAL	ALL	1	House 69	RP_H69
648126.33	4075955	0.08652	171.51	240	1.5	ANNUAL	ALL	1	House 7	RP_H7
647317	4076662	0.09512	159.9	159.9	1.5	ANNUAL	ALL	1	House 70	RP_H70
648249.26	4075970	0.09764	183.42	240	1.5	ANNUAL	ALL	1	House 8	RP_H8
648218.58	4076109	0.10318	182.28	240	1.5	ANNUAL	ALL	1	House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

08/31/21

* AERMET (19191): 2019

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		.,5(174,1 15.5),5(174,1 0.									
X	Y	AVERAGE CONC		ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
645996	4078698	0.04343	123.85	258.89	1.5	ANNUAL	ALL	1	AQ Monitoring Station	AQ_ST_1	
643903.65	4077719	0.01002	105.68	194	1.5	ANNUAL	ALL	1	Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.782		0.01039	85.12	259	1.5	ANNUAL	ALL	1	Dunne Park	CR_PK_1	
642179.095		0.01248	117.99	259	1.5	ANNUAL	ALL	1	Vista Park Hill Park	CR_PK_2	
644733.142	4078753	0.02283	106.44	226	1.5	ANNUAL	ALL	1	Las Brisas Park	CR_PK_3	
645608.808	4078854	0.03656	112.86	240	1.5	ANNUAL	ALL	1	Frank Klauer Memorial Park	CR_PK_4	
644238.054	4078807	0.01872	95.25	220	1.5	ANNUAL	ALL	1	Veterans Memorial Park	CR_PK_5	
645311.476	4076559	0.01478	134.61	181	1.5	ANNUAL	ALL	1	Park 6	CR_PK_6	
649581.689	4073424	0.04868	159.96	300	1.5	ANNUAL	ALL	1	Park 7	CR_PK_7	
645145.11	4077181	0.01427	133	190	1.5	ANNUAL	ALL	1	Cerra Vista Elem School	CR_SC_1	
642904.712	4079955	0.01547	86	240	1.5	ANNUAL	ALL	1	San Andreas Continuation	CR_SC_10	
645850.678	4074015	0.0125	123	144.4	1.5	ANNUAL	ALL	1	SouthSide School	CR_SC_11	
642105.679	4078176	0.00671	91	227	1.5	ANNUAL	ALL	1	School 12	CR_SC_12	
646058.93	4078443	0.04135	128.52	300	1.5	ANNUAL	ALL	1	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.0328	158	259.56	1.5	ANNUAL	ALL	1	Future School	CR_SC_14	School 2
648466	4074106	0.03426	159	290	1.5	ANNUAL	ALL	1	Tres Pinos Union Elementary School	CR SC 15	
644109.6	4078389	0.01596	98.2	191	1.5	ANNUAL	ALL	1	Sunnyslope Elem School	CR SC 2	
643920.12	4077304	0.00966	101.23	166.2	1.5	ANNUAL	ALL	1	Hollister Montessori School	CR SC 3	
642961.07	4078621	0.0117	92	253	1.5	ANNUAL	ALL	1	Rancho San Justo Middle School	CR SC 4	
643980.02	4079743	0.02178	88	214	1.5	ANNUAL	ALL	1	Marguerite Maze Middle School	CR SC 5	
641630.17	4079153	0.00917	85	227	1.5	ANNUAL	ALL	1	Hollister Prep Schoo	CR SC 6	
643350.03	4077181	0.00806	98.22	226	1.5	ANNUAL	ALL	1	Ladd Lane Elementary School	CR SC 7	
644002.96	4080079	0.02298	87	240	1.5	ANNUAL	ALL	1	Gabilan Hills Elementary School	CR SC 8	
642244.858	4078413	0.00822	90.17	240	1.5	ANNUAL	ALL	1	San Benito High School	CR SC 9	
642083.447	4079794	0.01139	87.58	165.4	1.5	ANNUAL	ALL	1	Jovenes De Antano	CR SR 1	
646402	4076879	0.02228	146.33	801	1.5	ANNUAL	ALL	1	Workplace	CR WP 1	
648949	4077938	0.42668	189.45	266	1.5	ANNUAL	ALL	1	Nearest Workplace	CR WP 2	MEIW
647744	4079173	0.12814	155.2	154.38	1.5	ANNUAL	ALL	1	Grid Receptor 1	G1	
647744	4075573	0.0389	160	139.22	1.5	ANNUAL	ALL	1	Grid Receptor 10	G10	
651344	4075573	0.25292	252.9	140.45	1.5	ANNUAL	ALL	1	Grid Receptor 100	G100	
648144	4079173	0.13775	165.9	162.49	1.5	ANNUAL	ALL	1	Grid Receptor 11	G11	
648144	4078773	0.17229	159.6	148.99	1.5	ANNUAL	ALL	1	Grid Receptor 12	G12	
648144	4078373	0.18965	146.2	159	1.5	ANNUAL	ALL	1	Grid Receptor 13	G13	
648144	4077973	0.20172	158.3	227	1.5	ANNUAL	ALL	1	Grid Receptor 14	G14	
648144	4077573	0.20749	166.6	168.29	1.5	ANNUAL	ALL	1	Grid Receptor 15	G15	
648144	4077173	0.14056	175.4	162.17	1.5	ANNUAL	ALL	1	Grid Receptor 16	G16	
648144	4076773	0.09349	177.1	240	1.5	ANNUAL	ALL	1	Grid Receptor 17	G17	
648144	4076373	0.08356	178	147.22	1.5	ANNUAL	ALL	1	Grid Receptor 18	G18	
648144	4075973	0.06661	173	140.23	1.5	ANNUAL	ALL	1	Grid Receptor 19	G19	
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08/31/21

* AERMET (19191): 2019

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		AVED A CE CONC				ANTE	CDB	NHIM VDC NET ID	Description -	ID.
X	Y 4070772	AVERAGE CONC		ZHILL		AVE	GRP	NUM YRS NET ID	Description	ID G2
647744	4078773	0.13918	145.4	159	1.5	ANNUAL	ALL	1	Grid Receptor 2	G2
648144	4075573	0.05237	168.8	144.65	1.5	ANNUAL	ALL	1	Grid Receptor 20	G20
648544	4079173	0.13576	173.5	158	1.5	ANNUAL	ALL	1	Grid Receptor 21	G21
648544	4078773	0.18674	166.2	158.62	1.5	ANNUAL	ALL	1	Grid Receptor 22	G22
648544	4078373	0.24597	145.4	162.28	1.5	ANNUAL	ALL	1	Grid Receptor 23	G23
648544	4077973	0.27987	173.9	227	1.5	ANNUAL	ALL	1	Grid Receptor 24	G24
648544	4077573	0.31451	179.6	169.05	1.5	ANNUAL	ALL	1	Grid Receptor 25	G25
648544	4077173	0.54478	191	159.35	1.5	ANNUAL	ALL	1	Grid Receptor 26	G26
648544	4076773	0.19855	209.2	240	1.5	ANNUAL	ALL	1	Grid Receptor 27	G27
648544	4076373	0.12649	233.7	151.56	1.5	ANNUAL	ALL	1	Grid Receptor 28	G28
648544	4075973	0.10084	199.9	147.25	1.5	ANNUAL	ALL	1	Grid Receptor 29	G29
647744	4078373	0.14088	144.4	153	1.5	ANNUAL	ALL	1	Grid Receptor 3	G3
648544	4075573	0.07956	195.5	142.28	1.5	ANNUAL	ALL	1	Grid Receptor 30	G30
648944	4079173	0.1163	190.4	159.45	1.5	ANNUAL	ALL	1	Grid Receptor 31	G31
648944	4078773	0.17403	165.4	158.67	1.5	ANNUAL	ALL	1	Grid Receptor 32	G32
648944	4078373	0.27497	159.6	164.3	1.5	ANNUAL	ALL	1	Grid Receptor 33	G33
648944	4077973	0.41347	183.5	146	1.5	ANNUAL	ALL	1	Grid Receptor 34	G34
648944	4077573	0.50236	224	162.9	1.5	ANNUAL	ALL	1	Grid Receptor 35	G35
648944	4076373	0.29803	205	166	1.5	ANNUAL	ALL	1	Grid Receptor 38	G38
648944	4075973	0.17236	208.8	151.56	1.5	ANNUAL	ALL	1	Grid Receptor 39	G39
647744	4077973	0.13947	134.6	813	1.5	ANNUAL	ALL	1	Grid Receptor 4	G4
648944	4075573	0.10481	185.6	146.76	1.5	ANNUAL	ALL	1	Grid Receptor 40	G40
649344	4079173	0.08106	187.4	159.32	1.5	ANNUAL	ALL	1	Grid Receptor 41	G41
649344	4078773	0.12337	160.9	152.34	1.5	ANNUAL	ALL	1	Grid Receptor 42	G42
649344	4078373	0.22907	200.5	164.01	1.5	ANNUAL	ALL	1	Grid Receptor 43	G43
649344	4077973	0.55909	229	333	1.5	ANNUAL	ALL	1	Grid Receptor 44	G44
649344	4077573	0.86686	253.3	162	1.5	ANNUAL	ALL	1	Grid Receptor 45	G45
649344	4076373	0.73758	220.2	205.79	1.5	ANNUAL	ALL	1	Grid Receptor 48	G48
649344	4075973	0.2786	227.2	166	1.5	ANNUAL	ALL	1	Grid Receptor 49	G49
647744	4077573	0.11112	163.8	164.15	1.5	ANNUAL	ALL	1	Grid Receptor 5	G5
649344	4075573	0.17137	205.5	150.64	1.5	ANNUAL	ALL	1	Grid Receptor 50	G50
649744	4079173	0.06022	176.1	159	1.5	ANNUAL	ALL	1	Grid Receptor 51	G51
649744	4078773	0.08765	195	160.22	1.5	ANNUAL	ALL	1	Grid Receptor 52	G52
649744	4078373	0.13609	196.1	152	1.5	ANNUAL	ALL	1	Grid Receptor 53	G53
649744	4077973	0.27923	215.3	813	1.5	ANNUAL	ALL	1	Grid Receptor 54	G54
649744	4077573	0.86197	221.6	240	1.5	ANNUAL	ALL	1	Grid Receptor 55	G55
649744	4076373	1.44008	211.7	240	1.5	ANNUAL	ALL	1	Grid Receptor 58	G58
649744	4075973	0.49673	237.7	126.06	1.5	ANNUAL	ALL	1	Grid Receptor 59	G59
647744	4077173	0.07337	158.4	227	1.5	ANNUAL	ALL	1	Grid Receptor 6	G6
1	.0,1113	0.0,557	100.1	,	1.0	·- · · · · · · ·		*	Sile Illooptor o	50

08/31/21

* AERMET (19191): 2019

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

		,5(174,1 15.5),5(174,1 0.	, , , , , , , , , , , , , , , , , , , ,							
X	Y	AVERAGE CONC		ZHILL		AVE	GRP	NUM YRS NET ID	Description	ID
649744	4075573	0.25722	204.2	157	1.5	ANNUAL	ALL	1	Grid Receptor 60	G60
650144	4079173	0.04782	173	830	1.5	ANNUAL	ALL	1	Grid Receptor 61	G61
650144	4078773	0.06253	171	161.26	1.5	ANNUAL	ALL	1	Grid Receptor 62	G62
650144	4078373	0.09788	204.6	158.51	1.5	ANNUAL	ALL	1	Grid Receptor 63	G63
650144	4077973	0.15926	216.5	813	1.5	ANNUAL	ALL	1	Grid Receptor 64	G64
650144	4077573	0.20928	257.7	159.5	1.5	ANNUAL	ALL	1	Grid Receptor 65	G65
650144	4076373	1.5086	231.4	240	1.5	ANNUAL	ALL	1	Grid Receptor 68	G68
650144	4075973	0.58251	249.4	129.56	1.5	ANNUAL	ALL	1	Grid Receptor 69	G69
647744	4076773	0.05911	164.7	240	1.5	ANNUAL	ALL	1	Grid Receptor 7	G7
650144	4075573	0.35097	216.4	127.22	1.5	ANNUAL	ALL	1	Grid Receptor 70	G70
650544	4079173	0.04018	177	240	1.5	ANNUAL	ALL	1	Grid Receptor 71	G71
650544	4078773	0.05409	180.9	156.81	1.5	ANNUAL	ALL	1	Grid Receptor 72	G72
650544	4078373	0.07666	196.6	146.44	1.5	ANNUAL	ALL	1	Grid Receptor 73	G73
650544	4077973	0.11997	236.9	162.04	1.5	ANNUAL	ALL	1	Grid Receptor 74	G74
650544	4077573	0.09728	261.3	142	1.5	ANNUAL	ALL	1	Grid Receptor 75	G75
650544	4076373	0.76028	260.9	240	1.5	ANNUAL	ALL	1	Grid Receptor 78	G78
650544	4075973	0.6216	226.7	132.89	1.5	ANNUAL	ALL	1	Grid Receptor 79	G79
647744	4076373	0.05837	164	140.02	1.5	ANNUAL	ALL	1	Grid Receptor 8	G8
650544	4075573	0.2292	268.2	130.56	1.5	ANNUAL	ALL	1	Grid Receptor 80	G80
650944	4079173	0.0384	181.3	240	1.5	ANNUAL	ALL	1	Grid Receptor 81	G81
650944	4078773	0.0433	178.4	156.21	1.5	ANNUAL	ALL	1	Grid Receptor 82	G82
650944	4078373	0.05624	214.8	237	1.5	ANNUAL	ALL	1	Grid Receptor 83	G83
650944	4077973	0.06966	249.9	145.99	1.5	ANNUAL	ALL	1	Grid Receptor 84	G84
650944	4077573	0.0437	276.5	287	1.5	ANNUAL	ALL	1	Grid Receptor 85	G85
650944	4077173	0.23854	225.6	234	1.5	ANNUAL	ALL	1	Grid Receptor 86	G86
650944	4076773	0.43088	219.8	240	1.5	ANNUAL	ALL	1	Grid Receptor 87	G87
650944	4076373	0.51319	209.2	240	1.5	ANNUAL	ALL	1	Grid Receptor 88	G88
650944	4075973	0.44559	216.6	139.24	1.5	ANNUAL	ALL	1	Grid Receptor 89	G89
647744	4075973	0.05057	160.7	146.94	1.5	ANNUAL	ALL	1	Grid Receptor 9	G9
650944	4075573	0.33557	243.2	133.89	1.5	ANNUAL	ALL	1	Grid Receptor 90	G90
651344	4079173	0.02825	191	240	1.5	ANNUAL	ALL	1	Grid Receptor 91	G91
651344	4078773	0.03034	181	240	1.5	ANNUAL	ALL	1	Grid Receptor 92	G92
651344	4078373	0.04395	214.3	154.85	1.5	ANNUAL	ALL	1	Grid Receptor 93	G93
651344	4077973	0.05783	248.4	145	1.5	ANNUAL	ALL	1	Grid Receptor 94	G94
651344	4077573	0.09147	213.2	813	1.5	ANNUAL	ALL	1	Grid Receptor 95	G95
651344	4077173	0.14677	213.6	167.93	1.5	ANNUAL	ALL	1	Grid Receptor 96	G96
651344	4076773	0.21529	203.5	163.52	1.5	ANNUAL	ALL	1	Grid Receptor 97	G97
651344	4076373	0.27944	205.6	240	1.5	ANNUAL	ALL	1	Grid Receptor 98	G98
651344	4075973	0.28235	205.8	142.68	1.5	ANNUAL	ALL	1	Grid Receptor 99	G99

08/31/21

* AERMET (19191): 2019

15:34:45

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

	1A1: (A,1X	,3(1X,F13.5),3(1X,F8.	2),2X,A6,22	A,A0,2A,10.	8,2X,A8)					
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
649484.05	4077537	1.09298	254.01	269	1.5	ANNUAL	ALL	1	Boundary Perimeter 10	P10
649584.03	4077539	1.62845	235.3	209.74	1.5	ANNUAL	ALL	1	Boundary Perimeter 11	P11
649684.02	4077540	1.11605	221.29	251	1.5	ANNUAL	ALL	1	Boundary Perimeter 12	P12
649784	4077541	0.88928	222.37	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 13	P13
649883.99	4077542	0.75153	233.6	271	1.5	ANNUAL	ALL	1	Boundary Perimeter 14	P14
649983.97	4077543	0.43734	249.54	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 15	P15
650083.94	4077546	0.22414	258.89	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 16	P16
650183.91	4077548	0.19732	259.56	273	1.5	ANNUAL	ALL	1	Boundary Perimeter 17	P17
650283.87	4077550	0.18082	256.77	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 18	P18
650383.84	4077552	0.23296	242.37	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 19	P19
650483.81	4077554	0.2019	242.23	249	1.5	ANNUAL	ALL	1	Boundary Perimeter 20	P20
650583.78	4077557	0.10578	259.71	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 21	P21
650683.75	4077559	0.10685	257.58	227	1.5	ANNUAL	ALL	1	Boundary Perimeter 22	P22
650776.81	4077554	0.06566	267.9	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 23	P23
650778.91	4077454	0.06108	275.91	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 24	P24
650781	4077354	0.11058	265.73	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 25	P25
650783.1	4077254	0.2157	251.08	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 26	P26
650785.19	4077154	0.24646	252.83	266	1.5	ANNUAL	ALL	1	Boundary Perimeter 27	P27
650787.29	4077054	0.36049	246.1	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 28	P28
650789.38	4076954	0.46822	241.37	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 29	P29
650791.48	4076854	0.51629	246.79	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 30	P30
650793.57	4076754	0.65398	228.75	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 31	P31
650754.39	4076683	0.74133	217.76	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 32	P32
650660.22	4076650	1.03075	221.2	221.41	1.5	ANNUAL	ALL	1	Boundary Perimeter 33	P33
650561.43	4076650	1.48665	220.83	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 34	P34
650462.72	4076666	2.46394	223.42	264	1.5	ANNUAL	ALL	1	Boundary Perimeter 35	P35
650364.01	4076682	3.69668	222.46	263	1.5	ANNUAL	ALL	1	Boundary Perimeter 36	P36
650264.24	4076683	3.9453	223.19	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 37	P37
650164.71	4076674	3.72713	222.1	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 38	P38
650065.8	4076660	3.42439	217.03	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 39	P39
649980.44	4076627	3.30683	214.82	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 40	P40
649920.26	4076547	2.72446	214.91	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 41	P41
649852.19	4076474	2.23747	214.09	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 42	P42
649770.68	4076417	1.72303	211.53	250	1.5	ANNUAL	ALL	1	Boundary Perimeter 43	P43
649680.48	4076375	1.52778	210.17	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 44	P44
649580.91	4076368	1.3371	208.52	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 45	P45
649482.48	4076384	1.14517	207.5	245	1.5	ANNUAL	ALL	1	Boundary Perimeter 46	P46
649391.59	4076425	1.17728	205.17	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 47	P47
649303.5	4076472	1.17989	202.16	259	1.5	ANNUAL	ALL	1	Boundary Perimeter 48	P48

PMI

* AERMET (19191): 2019

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
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- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS N	NET ID	Description	ID
649226.19	4076535	1.12282	196.38	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 49	P49
649156.2	4076605	1.26763	195.87	245	1.5	ANNUAL	ALL	1		Boundary Perimeter 50	P50
649068.25	4076653	1.08201	196.32	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 51	P51
648986.7	4076711	0.96577	192.42	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 52	P52
648936.53	4076759	0.96268	192.46	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 53	P53
648868.58	4076833	0.99966	191.63	258.43	1.5	ANNUAL	ALL	1		Boundary Perimeter 54	P54
648797.23	4076902	1.06126	186.32	127.38	1.5	ANNUAL	ALL	1		Boundary Perimeter 55	P55
648710.56	4076952	0.88291	179.81	131.21	1.5	ANNUAL	ALL	1		Boundary Perimeter 56	P56
648620.79	4076996	0.51839	176.23	135.89	1.5	ANNUAL	ALL	1		Boundary Perimeter 57	P57
648607.19	4077051	0.66611	175.02	139.18	1.5	ANNUAL	ALL	1		Boundary Perimeter 58	P58
648680.07	4077119	0.97751	180.62	140.76	1.5	ANNUAL	ALL	1		Boundary Perimeter 59	P59
649084.12	4077532	0.59646	216.54	281	1.5	ANNUAL	ALL	1		Boundary Perimeter 6	P6
648759.24	4077180	0.57703	183.47	143.89	1.5	ANNUAL	ALL	1		Boundary Perimeter 60	P60
648791.44	4077262	0.46889	202.88	145.22	1.5	ANNUAL	ALL	1		Boundary Perimeter 61	P61
648788.45	4077362	0.38792	178.21	147.21	1.5	ANNUAL	ALL	1		Boundary Perimeter 62	P62
648691.25	4077361	0.38716	176.25	160	1.5	ANNUAL	ALL	1		Boundary Perimeter 63	P63
648591.35	4077357	0.39608	176	127.58	1.5	ANNUAL	ALL	1		Boundary Perimeter 64	P64
648525.69	4077371	0.38035	175.24	130.56	1.5	ANNUAL	ALL	1		Boundary Perimeter 65	P65
648586.93	4077430	0.35351	175.13	134.35	1.5	ANNUAL	ALL	1		Boundary Perimeter 66	P66
649184.09	4077534	0.7903	230.71	282	1.5	ANNUAL	ALL	1		Boundary Perimeter 7	P7
649284.08	4077535	0.87904	248.08	281	1.5	ANNUAL	ALL	1		Boundary Perimeter 8	P8
649384.06	4077536	0.81613	258.43	269	1.5	ANNUAL	ALL	1		Boundary Perimeter 9	P9
645930	4077983	0.03121	127.38	830	1.5	ANNUAL	ALL	1		New Development	RP_G1
646030	4077983	0.03317	131.21	830	1.5	ANNUAL	ALL	1		New Development	RP_G1
646130	4077983	0.03536	135.89	830	1.5	ANNUAL	ALL	1		New Development	RP_G1
646230	4077983	0.03778	139.18	801	1.5	ANNUAL	ALL	1		New Development	RP_G1
646330	4077983	0.04043	140.76	287	1.5	ANNUAL	ALL	1		New Development	RP_G1
646430	4077983	0.04343	143.89	260.9	1.5	ANNUAL	ALL	1		New Development	RP_G1
646530	4077983	0.04671	145.22	287	1.5	ANNUAL	ALL	1		New Development	RP_G1
646630	4077983	0.05037	147.21	164	1.5	ANNUAL	ALL	1		New Development	RP_G1
646730	4077983	0.0544	148.3	287	1.5	ANNUAL	ALL	1		New Development	RP_G1
645930	4078083	0.03293	127.58	830	1.5	ANNUAL	ALL	1		New Development	RP_G1
646030	4078083	0.03504	130.56	830	1.5	ANNUAL	ALL	1		New Development	RP_G1
646130	4078083	0.03737	134.35	830	1.5	ANNUAL	ALL	1		New Development	RP_G1
646230	4078083	0.04	139.22	813	1.5	ANNUAL	ALL	1		New Development	RP_G1
646330	4078083	0.04293	144.65	296	1.5	ANNUAL	ALL	1		New Development	RP_G1
646430	4078083	0.04589	142.28	296	1.5	ANNUAL	ALL	1		New Development	RP_G1
646530	4078083	0.04939	146.76	267	1.5	ANNUAL	ALL	1		New Development	RP_G1
646630	4078083	0.05323	150.64	273	1.5	ANNUAL	ALL	1		New Development	RP_G1

08/31/21

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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID	
646730	4078083	0.05753	155.4	287	1.5	ANNUAL	ALL	1	New Development	RP_G1	
645930	4078183	0.03461	127.22	160.7	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646030	4078183	0.03684	130.56	289	1.5	ANNUAL	ALL	1	New Development	RP G1	
646130	4078183	0.03928	133.89	830	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646230	4078183	0.04204	140.45	830	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646330	4078183	0.0451	146.94	830	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646430	4078183	0.04791	140.23	826	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646530	4078183	0.05152	147.25	826	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646630	4078183	0.05543	151.56	813	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646730	4078183	0.05997	157.78	813	1.5	ANNUAL	ALL	1	New Development	RP_G1	
645930	4078283	0.03615	126.06	220	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646030	4078283	0.03843	129.56	269	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646130	4078283	0.04091	132.89	227	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646230	4078283	0.04368	139.24	257	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646330	4078283	0.04665	142.68	259	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646430	4078283	0.04967	140.02	259	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646530	4078283	0.05341	147.22	260	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646630	4078283	0.0575	151.56	259	1.5	ANNUAL	ALL	1	New Development	RP_G1	
646730	4078283	0.06224	156.78	259	1.5	ANNUAL	ALL	1	New Development	RP_G1	
648659.32	4077241	0.55371	205.79	123.85	1.5	ANNUAL	ALL	1	House 1		MEIR
648071.24	4076116	0.0686	169.6	133	1.5	ANNUAL	ALL	1	House 10	RP_H10	
648247.37	4076278	0.08882	184.55	86	1.5	ANNUAL	ALL	1	House 11	RP_H11	
648027.19	4076255	0.07021	169.38	313	1.5	ANNUAL	ALL	1	House 12	RP_H12	
648065.77	4076359	0.07704	173.83	91	1.5	ANNUAL	ALL	1	House 13	RP_H13	
648138.68	4076400	0.08421	178.22	128.52	1.5	ANNUAL	ALL	1	House 14	RP_H14	
648254.71	4076411	0.09724	191.28	158	1.5	ANNUAL	ALL	1	House 15	RP_H15	
647877.81	4076365	0.06528	165.39	98.2	1.5	ANNUAL	ALL	1	House 16	RP_H16	
647520	4076206	0.04819	159	101.23	1.5	ANNUAL	ALL	1	House 17	RP_H17	
647921	4076247	0.06401	164	92	1.5	ANNUAL	ALL	1	House 18	RP_H18	
647708.78	4076352	0.05675	163.52	88	1.5	ANNUAL	ALL	1	House 19	RP_H19	
648371.71	4075470	0.06159	173.69	105.68	1.5	ANNUAL	ALL	1	House 2	RP_H2	
647703.58	4076251	0.05511	162.17	85	1.5	ANNUAL	ALL	1	House 20	RP_H20	
647718.77	4076104	0.05143	159.35	98.22	1.5	ANNUAL	ALL	1	House 21	RP_H21	
647843.32	4076125	0.057	163	87	1.5	ANNUAL	ALL	1	House 22	RP_H22	
647842.26	4076500	0.06268	167.93	90.17	1.5	ANNUAL	ALL	1	House 23	RP_H23	
647727.75	4076644	0.05704	164.15	127	1.5	ANNUAL	ALL	1	House 24	RP_H24	
647823.91	4076644	0.06234	168.29	153	1.5	ANNUAL	ALL	1	House 25	RP_H25	
647530	4076497	0.0473	159.56	259	1.5	ANNUAL	ALL	1	House 26	RP_H26	
647810.11	4076854	0.06368	162.9	155.2	1.5	ANNUAL	ALL	1	House 27	RP_H27	

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- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
647697.48	4076989	0.06012	161.42	160	1.5	ANNUAL	ALL	1	House 28	RP_H28
648225.5	4076182	0.08294	183.22	252.9	1.5	ANNUAL	ALL	1	House 29	RP_H29
647678.23	4075969	0.04818	159.5	85.12	1.5	ANNUAL	ALL	1	House 3	RP_H3
645876.32	4077487	0.0213	127.13	165.9	1.5	ANNUAL	ALL	1	House 30	RP_H30
650902	4076062	0.49097	215.24	159.6	1.5	ANNUAL	ALL	1	House 31	RP_H31
651490	4076597	0.21329	205.5	146.2	1.5	ANNUAL	ALL	1	House 32	RP_H32
651565	4077067	0.14223	213.93	181	1.5	ANNUAL	ALL	1	House 33	RP_H33
648672.77	4075307	0.07811	225.91	179	1.5	ANNUAL	ALL	1	House 34	RP_H34
648383.6	4075469	0.06225	174.44	175.4	1.5	ANNUAL	ALL	1	House 35	RP_H35
646379.37	4077233	0.02485	146	240	1.5	ANNUAL	ALL	1	House 36	RP_H36
651849.72	4075865	0.17316	201.97	240	1.5	ANNUAL	ALL	1	House 37	RP_H37
652045.49	4076210	0.1383	196.88	240	1.5	ANNUAL	ALL	1	House 38	RP_H38
652255.69	4076391	0.11336	197.06	145.4	1.5	ANNUAL	ALL	1	House 39	RP_H39
647815.25	4075985	0.0534	162.04	117.99	1.5	ANNUAL	ALL	1	House 4	RP_H4
646853.73	4077373	0.03731	145.99	813	1.5	ANNUAL	ALL	1	House 40	RP_H40
647050.21	4077360	0.04349	145	221	1.5	ANNUAL	ALL	1	House 41	RP_H41
647286.42	4077474	0.06252	149.68	253	1.5	ANNUAL	ALL	1	House 42	RP_H42
647359.05	4077340	0.05764	154.45	259	1.5	ANNUAL	ALL	1	House 43	RP_H43
647490.41	4077329	0.06601	162.28	263	1.5	ANNUAL	ALL	1	House 44	RP_H44
647522.17	4077252	0.06189	164.3	227.2	1.5	ANNUAL	ALL	1	House 45	RP_H45
647517.82	4077139	0.05577	164.01	171	1.5	ANNUAL	ALL	1	House 46	RP_H46
646819.01	4077258	0.03289	151.53	300	1.5	ANNUAL	ALL	1	House 47	RP_H47
646778.72	4077128	0.03142	158.51	830	1.5	ANNUAL	ALL	1	House 48	RP_H48
646987.26	4077213	0.0364	146.44	813	1.5	ANNUAL	ALL	1	House 49	RP_H49
647898.2	4076033	0.05772	163.83	106.44	1.5	ANNUAL	ALL	1	House 5	RP_H5
647241.77	4077227	0.0452	154.85	227	1.5	ANNUAL	ALL	1	House 50	RP_H50
646773.05	4077063	0.03062	159	251	1.5	ANNUAL	ALL	1	House 51	RP_H51
647104.37	4077118	0.03876	148.99	259	1.5	ANNUAL	ALL	1	House 52	RP_H52
647291.9	4077123	0.04509	158.62	266	1.5	ANNUAL	ALL	1	House 53	RP_H53
646765.24	4076978	0.02888	158.67	257	1.5	ANNUAL	ALL	1	House 54	RP_H54
646995.65	4076984	0.03341	152.34	171	1.5	ANNUAL	ALL	1	House 55	RP_H55
647317.21	4077031	0.0439	160.22	300	1.5	ANNUAL	ALL	1	House 56	RP_H56
647398.39	4077013	0.04638	161.26	830	1.5	ANNUAL	ALL	1	House 57	RP_H57
646978.93	4076904	0.03154	156.81	830	1.5	ANNUAL	ALL	1	House 58	RP_H58
647015.19	4076807	0.03192	156.21	813	1.5	ANNUAL	ALL	1	House 59	RP_H59
648045.44	4076018	0.06387	168.26	112.86	1.5	ANNUAL	ALL	1	House 6	RP_H6
647163.96	4076802	0.03544	154.38	290	1.5	ANNUAL	ALL	1	House 60	RP_H60
647310.58	4076940	0.04112	162.49	257.7	1.5	ANNUAL	ALL	1	House 61	RP_H61
647298.09	4076805	0.03932	158	272	1.5	ANNUAL	ALL	1	House 62	RP_H62

08/31/21

* AERMET (19191): 2019

15:34:45

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS NET ID	Description	ID
647446.56	4076900	0.04486	159.45	266	1.5	ANNUAL	ALL	1	House 63	RP_H63
647464.49	4076781	0.04557	159.32	164.7	1.5	ANNUAL	ALL	1	House 64	RP_H64
647512	4076536	0.04663	159	290	1.5	ANNUAL	ALL	1	House 65	RP_H65
651131	4078767	0.03611	179.58	227	1.5	ANNUAL	ALL	1	House 66	RP_H66
647131	4077336	0.04547	146.77	296	1.5	ANNUAL	ALL	1	House 67	RP_H67
646798	4076740	0.0285	156.07	296	1.5	ANNUAL	ALL	1	House 68	RP_H68
646900	4076802	0.02972	159	296	1.5	ANNUAL	ALL	1	House 69	RP_H69
648126.33	4075955	0.06473	171.51	95.25	1.5	ANNUAL	ALL	1	House 7	RP_H7
647317	4076662	0.04189	159.9	275.91	1.5	ANNUAL	ALL	1	House 70	RP_H70
648249.26	4075970	0.07262	183.42	134.61	1.5	ANNUAL	ALL	1	House 8	RP_H8
648218.58	4076109	0.07929	182.28	318	1.5	ANNUAL	ALL	1	House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in $\mu g/m^3$.

08/31/21

* AERMET (21112): 2020

15:54:04

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

\mathbf{X}	W 7											
	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
645996	4078698	0.05291	123.85	123.85	1.5	ANNUAL	ALL	1		AQ Monitoring Station	AQ_ST_1	
643903.65	4077719	0.01819	105.68	105.68	1.5	ANNUAL	ALL	1		Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.782	4079416	0.01424	85.12	85.12	1.5	ANNUAL	ALL	1		Dunne Park	CR_PK_1	
642179.095	4079950	0.01512	117.99	117.99	1.5	ANNUAL	ALL	1		Vista Park Hill Park	CR_PK_2	1
644733.142	4078753	0.02935	106.44	106.44	1.5	ANNUAL	ALL	1		Las Brisas Park	CR_PK_3	
645608.808	4078854	0.04436	112.86	112.86	1.5	ANNUAL	ALL	1		Frank Klauer Memorial Park	CR_PK_4	1
644238.054	4078807	0.02469	95.25	95.25	1.5	ANNUAL	ALL	1		Veterans Memorial Park	CR_PK_5	
645311.476	4076559	0.02274	134.61	134.61	1.5	ANNUAL	ALL	1		Park 6	CR_PK_6	1
649581.689	4073424	0.05463	159.96	318	1.5	ANNUAL	ALL	1		Park 7	CR_PK_7	
645145.11	4077181	0.02527	133	133	1.5	ANNUAL	ALL	1		Cerra Vista Elem School	CR SC 1	1
642904.712	4079955	0.01862	86	86	1.5	ANNUAL	ALL	1		San Andreas Continuation	CR SC 10	1
645850.678	4074015	0.01758	123	313	1.5	ANNUAL	ALL	1		SouthSide School	CR SC 11	1
642105.679	4078176	0.01166	91	91	1.5	ANNUAL	ALL	1		School 12	CR SC 12	
646058.93	4078443	0.05172	128.52	128.52	1.5	ANNUAL	ALL	1		Rancho Santana School	CR SC 13	Scho
647269	4075575	0.04293	158	158	1.5	ANNUAL	ALL	1		Future School	CR SC 14	
648466	4074106	0.04555	159	240	1.5	ANNUAL	ALL	1		Tres Pinos Union Elementary School	CR SC 15	
644109.6	4078389	0.0224	98.2	98.2	1.5	ANNUAL	ALL	1		Sunnyslope Elem School	CR SC 2	1
643920.12	4077304	0.0174	101.23	101.23	1.5	ANNUAL	ALL	1		Hollister Montessori School	CR SC 3	1
642961.07	4078621	0.01634	92	92	1.5	ANNUAL	ALL	1		Rancho San Justo Middle School	CR SC 4	1
643980.02	4079743	0.02632	88	88	1.5	ANNUAL	ALL	1		Marguerite Maze Middle School	CR SC 5	1
641630.17	4079153	0.01285	85	85	1.5	ANNUAL	ALL	1		Hollister Prep Schoo	CR SC 6	1
643350.03	4077181	0.01431	98.22	98.22	1.5	ANNUAL	ALL	1		Ladd Lane Elementary School	CR SC 7	1
644002.96	4080079	0.02832	87	87	1.5	ANNUAL	ALL	1		Gabilan Hills Elementary School	CR SC 8	1
642244.858	4078413	0.01237	90.17	90.17	1.5	ANNUAL	ALL	1		San Benito High School	CR SC 9	1
642083.447	4079794	0.01426	87.58	127	1.5	ANNUAL	ALL	1		Jovenes De Antano	CR SR 1	1
646402	4076879	0.03893	146.33	153	1.5	ANNUAL	ALL	1		Workplace	CR WP 1	1
648949	4077938	0.51407	189.45	259	1.5	ANNUAL	ALL	1		Nearest Workplace	CR WP 2	MEI
647744	4079173	0.15081	155.2	155.2	1.5	ANNUAL	ALL	1		Grid Receptor 1	G1	1
647744	4075573	0.05468	160	160	1.5	ANNUAL	ALL	1		Grid Receptor 10	G10	1
651344	4075573	0.29993	252.9	252.9	1.5	ANNUAL	ALL	1		Grid Receptor 100	G100	1
648144	4079173	0.1565	165.9	165.9	1.5	ANNUAL	ALL	1		Grid Receptor 11	G11	
648144	4078773	0.20451	159.6	159.6	1.5	ANNUAL	ALL	1		Grid Receptor 12	G12	1
648144	4078373	0.23387	146.2	146.2	1.5	ANNUAL	ALL	1		Grid Receptor 13	G13	
648144	4077973	0.24246	158.3	181	1.5	ANNUAL	ALL	1		Grid Receptor 14	G14	1
648144	4077573	0.26357	166.6	179	1.5	ANNUAL	ALL	1		Grid Receptor 15	G15	1
648144	4077173	0.20004	175.4	175.4	1.5	ANNUAL	ALL	1		Grid Receptor 16	G16	1
648144	4076773	0.14292	177.1	240	1.5	ANNUAL	ALL	1		Grid Receptor 17	G17	1
648144	4076373	0.10809	178	240	1.5	ANNUAL	ALL	1		Grid Receptor 18	G17	1
648144	4075973	0.09015	173	240	1.5	ANNUAL	ALL	1		Grid Receptor 19	G19	1
010117	4078773	0.17235	145.4	145.4	1.5	ANNUAL	ALL	1		Grid Receptor 2	G2	4

08/31/21

* AERMET (21112): 2020

15:54:04

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

648144 4075973 0.07113 168.8 190 1.5 ANNUAL ALL 1 Grid Receptor 20 C20 648544 4078973 0.1542 173.5 191 1.5 ANNUAL ALL 1 Grid Receptor 21 C21 648544 4078773 0.2141 166.2 166.2 1.5 ANNUAL ALL 1 Grid Receptor 22 C22 648544 4078773 0.2745 145.4 233 1.5 ANNUAL ALL 1 Grid Receptor 23 C23 648544 4077973 0.34514 173.9 214 1.5 ANNUAL ALL 1 Grid Receptor 24 C24 648544 4077973 0.3785 179.6 227 1.5 ANNUAL ALL 1 Grid Receptor 24 C24 648544 4077973 0.3785 179.6 227 1.5 ANNUAL ALL 1 Grid Receptor 25 C25 648544 4077973 0.3785 179.6 227 1.5 ANNUAL ALL 1 Grid Receptor 26 C26 648544 4076773 0.28729 209.2 240 1.5 ANNUAL ALL 1 Grid Receptor 27 C27 648544 4076973 0.16972 233.7 240 1.5 ANNUAL ALL 1 Grid Receptor 27 C27 648544 4075973 0.13128 199.9 240 1.5 ANNUAL ALL 1 Grid Receptor 27 C27 648544 4075973 0.13128 199.9 240 1.5 ANNUAL ALL 1 Grid Receptor 28 C28 648544 4075973 0.13128 199.9 240 1.5 ANNUAL ALL 1 Grid Receptor 29 C29 648544 4075973 0.13128 199.9 240 1.5 ANNUAL ALL 1 Grid Receptor 29 C29 648544 4075973 0.13128 199.9 240 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 648544 4075973 0.13128 199.9 144.4 144.4 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 648944 4075973 0.13057 199.5 227 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 648944 4075973 0.13057 199.4 194 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 4078773 0.19272 165.4 165.4 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 4078773 0.19272 165.4 165.4 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 G3 648944 4078773 0.19272 165.4 165.4 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48944 4075973 0.1978 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48944 4075973 0.1978 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48944 4075973 0.1978 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48944 4075973 0.1978 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48944 4075973 0.1978 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48944 4075973 0.1978 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 G3 G48944 4075973 0.1978 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G	*			,3(1X,F13.5),3(1X,F8.2									
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648544 4075973 0.13128 199.9 240 1.5 ANNUAL ALL 1 Grid Receptor 29 G29 647744 4078373 0.1724 144.4 144.4 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 647744 4078373 0.10157 195.5 227 1.5 ANNUAL ALL 1 Grid Receptor 30 G30 648944 4079173 0.13057 199.4 194 1.5 ANNUAL ALL 1 Grid Receptor 31 G31 648944 4078773 0.13057 199.4 194 1.5 ANNUAL ALL 1 Grid Receptor 31 G31 648944 4078773 0.13399 159.6 259 1.5 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4078773 0.31339 159.6 259 1.5 ANNUAL ALL 1 Grid Receptor 33 G33 648944 4077973 0.49782 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077573 0.60835 224 226 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4076373 0.38077 205 240 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4076373 0.38077 205 240 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4075973 0.22082 208.8 220 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 40775973 0.17403 134.6 181 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 64794 40775973 0.12062 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 648944 40775973 0.16026 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4077573 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4078773 0.1488 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4078773 0.148 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4078773 0.048 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 649744 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4077573 0.96669 22.1 6 259 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4077573 0.95169 22.1 6 259 1.5 ANNUAL ALL 1 Grid Receptor 50 G50		648544	4076773	0.28729		240		ANNUAL	ALL	1		Grid Receptor 27	G27
647744 4078373 0.1724 144.4 144.4 1.5 ANNUAL ALL 1 Grid Receptor 3 G3 648544 4075573 0.10157 195.5 227 1.5 ANNUAL ALL 1 Grid Receptor 30 G30 648944 4079173 0.13057 190.4 194 1.5 ANNUAL ALL 1 Grid Receptor 31 G31 648944 4078173 0.19272 165.4 165.4 1.5 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4078373 0.19272 185.4 155.4 1.5 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4078773 0.49782 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077973 0.49782 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077973 0.69835 224 226 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4075773 0.060835 224 226 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4075973 0.2082 208.8 220 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 648944 4075973 0.12028 208.8 220 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 648944 4075973 0.17403 134.6 181 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4075973 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4075773 0.10301 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4078773 0.10301 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4078773 0.16818 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4078773 0.1615 229 253 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4078773 0.94814 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4077573 0.1488 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4077573 0.1487 160.5 1 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4077573 0.1487 160.5 1 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4077573 0.1488 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4077573 0.1488 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4077573 0.1917 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4077573 0.010778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4077573 0.010778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4077573 0.010778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4077573 0.05669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4077573 0.09669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4077573 0.096		648544	4076373	0.16972		240		ANNUAL	ALL	1		Grid Receptor 28	G28
648844 4075573 0.10157 195.5 227 1.5 ANNUAL ALL 1 Grid Receptor 30 G30 G30 648944 4079173 0.13057 190.4 194 1.5 ANNUAL ALL 1 Grid Receptor 31 G31 648944 4078773 0.19272 165.4 165.4 1.5 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4078733 0.31339 159.6 259 1.5 ANNUAL ALL 1 Grid Receptor 33 G33 G38 648944 4077973 0.49782 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077573 0.60835 224 226 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4075973 0.38077 205 240 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4075973 0.2082 208.8 220 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.17403 134.6 181 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 648944 40775573 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 4 G40 648944 4079173 0.13026 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 4 G40 649344 4079173 0.1403 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 4 G41 649344 40787373 0.1403 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 4 G41 649344 40787373 0.1403 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 4 G41 649344 4077873 0.1506 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 4 G41 649344 4077873 0.1506 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 4 G41 649344 4077873 0.16101 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 4 G42 649344 4077873 0.161415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4077873 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4077873 0.95167 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4077873 0.95167 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4077873 0.95167 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4077873 0.14788 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 650 649744 4077873 0.14788 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 650 649744 4077873 0.169669 2216 229 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 650 649744 4077873 0.96669 2216 229 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 650 649744 4077873 0.96669 2216 229 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 650 649744 4077873 0.96669 2216 229 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 650 649744 4077873 0.96669 2216 229 1.5 ANNUAL ALL 1 Grid Receptor 5			4075973	0.13128		240		ANNUAL	ALL	1		Grid Receptor 29	G29
648944 4079173 0.13057 190.4 194 1.5 ANNUAL ALL 1 Grid Receptor 31 G31 648944 4078773 0.19272 165.4 165.4 1.5 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4078773 0.49782 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077573 0.60835 224 226 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4076373 0.60835 224 226 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4075973 0.22082 208.8 220 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.17403 134.6 181 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647844 4077573 0.13626 185.6		647744	4078373	0.1724	144.4	144.4		ANNUAL	ALL	1		Grid Receptor 3	G3
648944 4078773 0.19272 165.4 165.4 1.5 ANNUAL ALL 1 Grid Receptor 32 G32 648944 4078373 0.31339 159.6 259 1.5 ANNUAL ALL 1 Grid Receptor 33 G33 648944 4077973 0.60835 224 226 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4075373 0.38077 205 240 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4075973 0.2082 208.8 220 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.17403 134.6 181 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4075573 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4078773 0.148 160.9		648544	4075573	0.10157	195.5	227	1.5	ANNUAL	ALL	1		Grid Receptor 30	G30
648944 4077973 0.49782 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 33 G33 G48944 4077973 0.49782 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 G48944 4077573 0.60835 224 226 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 G35 G48944 4076373 0.38077 205 240 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 G48944 4076373 0.22082 208.8 220 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 G48944 4077573 0.17403 134.6 181 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 G48944 4075573 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 G49344 4078573 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 G49344 4078773 0.1481 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 G49344 4078373 0.25669 200.5 221 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 G49344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 G49344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 G49344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 G49344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 G49344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 G49344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 G49 G49344 4076373 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 G49 G49344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 G49 G49 G49 G49 G49 G49 G49 G49		648944	4079173	0.13057	190.4	194	1.5	ANNUAL	ALL	1		Grid Receptor 31	G31
648944 4077973 0.49782 183.5 259 1.5 ANNUAL ALL 1 Grid Receptor 34 G34 648944 4077573 0.66835 224 226 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 G35 G48944 4076373 0.38077 205 240 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 G48944 4076373 0.2082 208.8 220 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 G47744 4077973 0.17403 134.6 181 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 G4944 4075573 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4079173 0.10301 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 G49344 4078373 0.148 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 G49344 4078373 0.25669 200.5 221 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 G49344 4077973 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 43 G44 G49344 4077973 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 G49344 4077973 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 G49344 4077973 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 G49344 4077973 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 G49344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 G49 G4744 407573 0.1478 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G49344 4076973 0.21394 205.5 300 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.1478 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.1478 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.1478 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.1478 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.3853 204.2 300 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.3853 204.2 300 1.5 ANNUAL ALL 1 Grid Receptor 5 G		648944	4078773	0.19272	165.4	165.4	1.5	ANNUAL	ALL	1		Grid Receptor 32	G32
648944 4077573 0.60835 224 226 1.5 ANNUAL ALL 1 Grid Receptor 35 G35 648944 4076373 0.38077 205 240 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 G48944 4075973 0.22082 208.8 220 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.17403 134.6 181 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 648944 4075973 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 648944 4079573 0.10301 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 649344 4079173 0.10301 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 4 G42 649344 4078773 0.148 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078773 0.25669 200.5 221 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4077973 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4077973 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 4 G44 649344 4077973 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 4 G45 649344 4076373 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 4 G45 649344 4076373 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 4 G48 649344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 4 G49 64744 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 4 G49 649344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 4 G49 649344 4075573 0.914738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 649344 4075573 0.21394 205.5 300 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 649744 4078773 0.14738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 649744 4078773 0.3689 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.9669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077573 0.90669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G		648944	4078373	0.31339	159.6	259	1.5	ANNUAL	ALL	1		Grid Receptor 33	G33
648944 4076373 0.38077 205 240 1.5 ANNUAL ALL 1 Grid Receptor 38 G38 648944 4076373 0.22082 208.8 220 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 G39 G47744 4077573 0.17403 134.6 181 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 G4 G48944 4075573 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 G49344 4079173 0.10301 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 G49344 4078773 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 G49344 4078773 0.1648 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 G49344 4078773 0.25669 200.5 221 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 G49344 4077873 0.55669 200.5 221 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 G49344 4077873 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 G49344 4076373 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 G49344 4076373 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 G49 G47744 407573 0.14788 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 G49 G47744 407573 0.14788 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.1678 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.1689 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.1689 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.1689 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.1689 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.1689 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.1689 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4078773 0.33509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077873 0.39669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077873 0.39669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077873 0.59669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077873 0.59669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077873 0.59669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 G5 G49744 4077873 0.59669 221.6 259 1.5 ANNUAL AL		648944	4077973	0.49782	183.5	259	1.5	ANNUAL	ALL	1		Grid Receptor 34	G34
648944 4075973 0.22082 208.8 220 1.5 ANNUAL ALL 1 Grid Receptor 39 G39 647744 4077973 0.17403 134.6 181 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 64844 4075573 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4079173 0.10301 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 649344 4078773 0.148 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078373 0.25669 200.5 221 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077973 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4077973 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 649344 407573 0.14738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 649344 407573 0.21394 205.5 300 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4077573 0.10478 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.1078 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.1078 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.1078 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.1078 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4078773 0.1078 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4078773 0.33509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4075573 0.99869 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4075573 0.90873 2		648944	4077573	0.60835	224	226	1.5	ANNUAL	ALL	1		Grid Receptor 35	G35
647744 4077973 0.17403 134.6 181 1.5 ANNUAL ALL 1 Grid Receptor 4 G4 648944 4075573 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4079173 0.10301 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 649344 4078773 0.148 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078373 0.25669 200.5 221 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077973 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 4077573 0.14738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4079173 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.1678 195 813 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078773 0.1678 195 813 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4077573 0.1839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078773 0.1678 195 813 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078773 0.33509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4076773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4076373 1.67959 211.7 266 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 649744 4075773 0.30873 0.59132 237.7 257 1.5 ANNUAL ALL 1 Grid Receptor 6 G6 649744 4075573 0.30873 0.50873 0.5082 300 1.5 ANNUAL ALL 1 Grid Recept		648944	4076373	0.38077	205	240	1.5	ANNUAL	ALL	1		Grid Receptor 38	G38
648944 407573 0.13626 185.6 300 1.5 ANNUAL ALL 1 Grid Receptor 40 G40 649344 4079173 0.10301 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 649344 4078773 0.148 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078773 0.25669 200.5 221 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077973 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 407573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 407573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 407573 0.95167 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 64744 407573 0.14738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 407573 0.21394 205.5 300 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.35509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.33509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4078773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 407573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4075773 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 65 649744 4075573 0.30873 204.2 300 1.5 ANNUAL ALL 1 Grid Receptor 6 G6 66 649744 407557		648944	4075973	0.22082	208.8	220	1.5	ANNUAL	ALL	1		Grid Receptor 39	G39
649344 4079173 0.10301 187.4 801 1.5 ANNUAL ALL 1 Grid Receptor 41 G41 649344 4078773 0.148 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078373 0.25669 200.5 221 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077973 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4076373 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075973 0.36742 227.2 227.2 227.2 227.2 227.2 25.3 ANNUAL ALL 1 Grid Receptor 49 G49 649744		647744	4077973	0.17403	134.6	181	1.5	ANNUAL	ALL	1		Grid Receptor 4	G4
649344 4078773 0.148 160.9 813 1.5 ANNUAL ALL 1 Grid Receptor 42 G42 649344 4078373 0.25669 200.5 221 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077573 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 45 G48 649344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 407573 0.14738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075753 0.21394 205.5		648944	4075573	0.13626	185.6	300	1.5	ANNUAL	ALL	1		Grid Receptor 40	G40
649344 4078373 0.25669 200.5 221 1.5 ANNUAL ALL 1 Grid Receptor 43 G43 649344 4077973 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 649344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 649344 4075573 0.14738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4079173 0.07395 176.1		649344	4079173	0.10301	187.4	801	1.5	ANNUAL	ALL	1		Grid Receptor 41	G41
649344 4077973 0.61415 229 253 1.5 ANNUAL ALL 1 Grid Receptor 44 G44 649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 4077573 0.14738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075573 0.21394 205.5 300 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078373 0.16839 196.1		649344	4078773	0.148	160.9	813	1.5	ANNUAL	ALL	1		Grid Receptor 42	G42
649344 4077573 0.95147 253.3 259 1.5 ANNUAL ALL 1 Grid Receptor 45 G45 649344 4076373 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 4077573 0.14738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075573 0.21394 205.5 300 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.16839 196.1		649344	4078373	0.25669	200.5	221	1.5	ANNUAL	ALL	1		Grid Receptor 43	G43
649344 4076373 0.93767 220.2 263 1.5 ANNUAL ALL 1 Grid Receptor 48 G48 649344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 4077573 0.14738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075573 0.21394 205.5 300 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078773 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.33509 215.3		649344	4077973	0.61415	229	253	1.5	ANNUAL	ALL	1		Grid Receptor 44	G44
649344 4075973 0.36742 227.2 227.2 1.5 ANNUAL ALL 1 Grid Receptor 49 G49 647744 4077573 0.14738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075573 0.21394 205.5 300 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.33509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.99669 221.6		649344	4077573	0.95147	253.3	259	1.5	ANNUAL	ALL	1		Grid Receptor 45	G45
647744 4077573 0.14738 163.8 171 1.5 ANNUAL ALL 1 Grid Receptor 5 G5 649344 4075573 0.21394 205.5 300 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4077973 0.33509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4076373 1.67959 211.7		649344	4076373	0.93767	220.2	263	1.5	ANNUAL	ALL	1		Grid Receptor 48	G48
649344 4075573 0.21394 205.5 300 1.5 ANNUAL ALL 1 Grid Receptor 50 G50 649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.33509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4076373 1.67959 211.7 266 1.5 ANNUAL ALL 1 Grid Receptor 58 G58 649744 4075973 0.59132 237.7			4075973	0.36742	227.2	227.2	1.5	ANNUAL	ALL	1		Grid Receptor 49	G49
649744 4079173 0.07395 176.1 830 1.5 ANNUAL ALL 1 Grid Receptor 51 G51 649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.33509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4076373 1.67959 211.7 266 1.5 ANNUAL ALL 1 Grid Receptor 58 G58 649744 4075973 0.59132 237.7 257 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 647744 4077173 0.11549 158.4		647744	4077573	0.14738	163.8	171	1.5	ANNUAL	ALL	1		Grid Receptor 5	G5
649744 4078773 0.10778 195 813 1.5 ANNUAL ALL 1 Grid Receptor 52 G52 649744 4078373 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.33509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4076373 1.67959 211.7 266 1.5 ANNUAL ALL 1 Grid Receptor 58 G58 649744 4075973 0.59132 237.7 257 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 647744 4077173 0.11549 158.4 171 1.5 ANNUAL ALL 1 Grid Receptor 6 G6 649744 4075573 0.30873 204.2		649344	4075573	0.21394	205.5	300	1.5	ANNUAL	ALL	1		Grid Receptor 50	G50
649744 4078373 0.16839 196.1 227 1.5 ANNUAL ALL 1 Grid Receptor 53 G53 649744 4077973 0.33509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4076373 1.67959 211.7 266 1.5 ANNUAL ALL 1 Grid Receptor 58 G58 649744 4075973 0.59132 237.7 257 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 647744 4077173 0.11549 158.4 171 1.5 ANNUAL ALL 1 Grid Receptor 6 G6 649744 4075573 0.30873 204.2 300 1.5 ANNUAL ALL 1 Grid Receptor 60 G60		649744	4079173	0.07395	176.1	830	1.5	ANNUAL	ALL	1		Grid Receptor 51	G51
649744 4077973 0.33509 215.3 251 1.5 ANNUAL ALL 1 Grid Receptor 54 G54 649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4076373 1.67959 211.7 266 1.5 ANNUAL ALL 1 Grid Receptor 58 G58 649744 4075973 0.59132 237.7 257 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 647744 4077173 0.11549 158.4 171 1.5 ANNUAL ALL 1 Grid Receptor 6 G6 649744 4075573 0.30873 204.2 300 1.5 ANNUAL ALL 1 Grid Receptor 60 G60		649744	4078773	0.10778	195	813	1.5	ANNUAL	ALL	1		Grid Receptor 52	G52
649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4076373 1.67959 211.7 266 1.5 ANNUAL ALL 1 Grid Receptor 58 G58 649744 4075973 0.59132 237.7 257 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 647744 4077173 0.11549 158.4 171 1.5 ANNUAL ALL 1 Grid Receptor 6 G6 649744 4075573 0.30873 204.2 300 1.5 ANNUAL ALL 1 Grid Receptor 60 G60		649744	4078373	0.16839	196.1	227	1.5	ANNUAL	ALL	1		Grid Receptor 53	G53
649744 4077573 0.99669 221.6 259 1.5 ANNUAL ALL 1 Grid Receptor 55 G55 649744 4076373 1.67959 211.7 266 1.5 ANNUAL ALL 1 Grid Receptor 58 G58 649744 4075973 0.59132 237.7 257 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 647744 4077173 0.11549 158.4 171 1.5 ANNUAL ALL 1 Grid Receptor 6 G6 649744 4075573 0.30873 204.2 300 1.5 ANNUAL ALL 1 Grid Receptor 60 G60		649744	4077973	0.33509	215.3	251	1.5	ANNUAL	ALL	1		Grid Receptor 54	G54
649744 4076373 1.67959 211.7 266 1.5 ANNUAL ALL 1 Grid Receptor 58 G58 649744 4075973 0.59132 237.7 257 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 647744 4077173 0.11549 158.4 171 1.5 ANNUAL ALL 1 Grid Receptor 6 G6 649744 4075573 0.30873 204.2 300 1.5 ANNUAL ALL 1 Grid Receptor 60 G60			4077573	0.99669					ALL	1		•	G55
649744 4075973 0.59132 237.7 257 1.5 ANNUAL ALL 1 Grid Receptor 59 G59 647744 4077173 0.11549 158.4 171 1.5 ANNUAL ALL 1 Grid Receptor 6 G6 649744 4075573 0.30873 204.2 300 1.5 ANNUAL ALL 1 Grid Receptor 60 G60				1.67959		266				1		*	G58
647744 4077173 0.11549 158.4 171 1.5 ANNUAL ALL 1 Grid Receptor 6 G6 649744 4075573 0.30873 204.2 300 1.5 ANNUAL ALL 1 Grid Receptor 60 G60										1		Grid Receptor 59	
649744 4075573 0.30873 204.2 300 1.5 ANNUAL ALL 1 Grid Receptor 60 G60		647744	4077173	0.11549	158.4	171	1.5	ANNUAL	ALL	1		*	G6
•			4075573	0.30873		300				1			G60
								ANNUAL	ALL	1		*	G61

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* AERMET (21112): 2020

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

X	Υ	,3(1X,F13.5),3(1X,F8.2 AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
650144	4078773	0.07764	171	830	1.5	ANNUAL	ALL	1		Grid Receptor 62	G62
650144	4078373	0.11227	204.6	813	1.5	ANNUAL	ALL	1		Grid Receptor 63	G63
650144	4077973	0.18484	216.5	290	1.5	ANNUAL	ALL	1		Grid Receptor 64	G64
650144	4077573	0.18872	257.7	257.7	1.5	ANNUAL	ALL	1		Grid Receptor 65	G65
650144	4076373	1.87042	231.4	272	1.5	ANNUAL	ALL	1		Grid Receptor 68	G68
650144	4075973	0.71574	249.4	266	1.5	ANNUAL	ALL	1		Grid Receptor 69	G69
647744	4076773	0.08917	164.7	164.7	1.5	ANNUAL	ALL	1		Grid Receptor 7	G7
650144	4075573	0.43298	216.4	300	1.5	ANNUAL	ALL	1		Grid Receptor 70	G70
650544	4079173	0.04298	177	830	1.5	ANNUAL	ALL	1		Grid Receptor 71	G71
650544	4078773	0.0527	180.9	830	1.5	ANNUAL	ALL	1		Grid Receptor 72	G72
650544	4078373	0.07659	196.6	830	1.5	ANNUAL	ALL	1		Grid Receptor 73	G73
650544	4077973	0.13004	236.9	801	1.5	ANNUAL	ALL	1		Grid Receptor 74	G74
650544	4077573	0.09682	261.3	287	1.5	ANNUAL	ALL	1		Grid Receptor 75	G75
650544	4076373	0.88966	260.9	260.9	1.5	ANNUAL	ALL	1		Grid Receptor 78	G78
650544	4075973	0.79923	226.7	287	1.5	ANNUAL	ALL	1		Grid Receptor 79	G79
647744	4076373	0.07273	164	164	1.5	ANNUAL	ALL	1		Grid Receptor 8	G8
650544	4075573	0.29495	268.2	287	1.5	ANNUAL	ALL	1		Grid Receptor 80	G80
650944	4079173	0.03621	181.3	830	1.5	ANNUAL	ALL	1		Grid Receptor 81	G81
650944	4078773	0.04484	178.4	830	1.5	ANNUAL	ALL	1		Grid Receptor 82	G82
650944	4078373	0.0691	214.8	830	1.5	ANNUAL	ALL	1		Grid Receptor 83	G83
650944	4077973	0.07487	249.9	813	1.5	ANNUAL	ALL	1		Grid Receptor 84	G84
650944	4077573	0.03555	276.5	296	1.5	ANNUAL	ALL	1		Grid Receptor 85	G85
650944	4077173	0.26744	225.6	296	1.5	ANNUAL	ALL	1		Grid Receptor 86	G86
650944	4076773	0.4971	219.8	267	1.5	ANNUAL	ALL	1		Grid Receptor 87	G87
650944	4076373	0.57605	209.2	273	1.5	ANNUAL	ALL	1		Grid Receptor 88	G88
650944	4075973	0.53852	216.6	287	1.5	ANNUAL	ALL	1		Grid Receptor 89	G89
647744	4075973	0.06727	160.7	160.7	1.5	ANNUAL	ALL	1		Grid Receptor 9	G9
650944	4075573	0.43612	243.2	289	1.5	ANNUAL	ALL	1		Grid Receptor 90	G90
651344	4079173	0.03356	191	830	1.5	ANNUAL	ALL	1		Grid Receptor 91	G91
651344	4078773	0.04098	181	830	1.5	ANNUAL	ALL	1		Grid Receptor 92	G92
651344	4078373	0.05007	214.3	830	1.5	ANNUAL	ALL	1		Grid Receptor 93	G93
651344	4077973	0.05281	248.4	826	1.5	ANNUAL	ALL	1		Grid Receptor 94	G94
651344	4077573	0.09231	213.2	826	1.5	ANNUAL	ALL	1		Grid Receptor 95	G95
651344	4077173	0.17574	213.6	813	1.5	ANNUAL	ALL	1		Grid Receptor 96	G96
651344	4076773	0.25041	203.5	813	1.5	ANNUAL	ALL	1		Grid Receptor 97	G97
651344	4076373	0.31069	205.6	220	1.5	ANNUAL	ALL	1		Grid Receptor 98	G98
651344	4075973	0.32291	205.8	269	1.5	ANNUAL	ALL	1		Grid Receptor 99	G99
649484.05	4077537	1.15642	254.01	257	1.5	ANNUAL	ALL	1		Boundary Perimeter 10	P10
649584.03	4077539	1.80455	235.3	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 11	P11
649684.02	4077540	1.29179	221.29	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 12	P12

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- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* FORM	1AT: (A,1X	,3(1X,F13.5),3(1X,F8.2	2),2X,A6,2X	,A8,2X,I8.8	,2X,A8)							
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
649784	4077541	1.00842	222.37	260	1.5	ANNUAL	ALL	1		Boundary Perimeter 13	P13	
649883.99	4077542	0.86552	233.6	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 14	P14]
649983.97	4077543	0.50118	249.54	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 15	P15	
650083.94	4077546	0.2184	258.89	258.89	1.5	ANNUAL	ALL	1		Boundary Perimeter 16	P16	
650183.91	4077548	0.16503	259.56	259.56	1.5	ANNUAL	ALL	1		Boundary Perimeter 17	P17	
650283.87	4077550	0.17365	256.77	266	1.5	ANNUAL	ALL	1		Boundary Perimeter 18	P18]
650383.84	4077552	0.27258	242.37	290	1.5	ANNUAL	ALL	1		Boundary Perimeter 19	P19	
650483.81	4077554	0.2295	242.23	296	1.5	ANNUAL	ALL	1		Boundary Perimeter 20	P20	
650583.78	4077557	0.10312	259.71	290	1.5	ANNUAL	ALL	1		Boundary Perimeter 21	P21	
650683.75	4077559	0.10227	257.58	296	1.5	ANNUAL	ALL	1		Boundary Perimeter 22	P22	
650776.81	4077554	0.05661	267.9	296	1.5	ANNUAL	ALL	1		Boundary Perimeter 23	P23	
650778.91	4077454	0.05071	275.91	275.91	1.5	ANNUAL	ALL	1		Boundary Perimeter 24	P24	
650781	4077354	0.09692	265.73	281	1.5	ANNUAL	ALL	1		Boundary Perimeter 25	P25	
650783.1	4077254	0.22264	251.08	282	1.5	ANNUAL	ALL	1		Boundary Perimeter 26	P26	
650785.19	4077154	0.26881	252.83	281	1.5	ANNUAL	ALL	1		Boundary Perimeter 27	P27	
650787.29	4077054	0.39601	246.1	269	1.5	ANNUAL	ALL	1		Boundary Perimeter 28	P28	
650789.38	4076954	0.52768	241.37	269	1.5	ANNUAL	ALL	1		Boundary Perimeter 29	P29	
650791.48	4076854	0.5755	246.79	251	1.5	ANNUAL	ALL	1		Boundary Perimeter 30	P30	
650793.57	4076754	0.75024	228.75	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 31	P31	4
650754.39	4076683	0.81467	217.76	271	1.5	ANNUAL	ALL	1		Boundary Perimeter 32	P32	
650660.22	4076650	1.12941	221.2	273	1.5	ANNUAL	ALL	1		Boundary Perimeter 33	P33	4
650561.43	4076650	1.63823	220.83	273	1.5	ANNUAL	ALL	1		Boundary Perimeter 34	P34	
650462.72	4076666	2.78942	223.42	273	1.5	ANNUAL	ALL	1		Boundary Perimeter 35	P35	4
650364.01	4076682	4.33679	222.46	263	1.5	ANNUAL	ALL	1		Boundary Perimeter 36	P36	
650264.24	4076683	4.68082	223.19	263	1.5	ANNUAL	ALL	1		Boundary Perimeter 37	P37	P
650164.71	4076674	4.5266	222.1	249	1.5	ANNUAL	ALL	1		Boundary Perimeter 38	P38	
650065.8	4076660	4.1352	217.03	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 39	P39	4
649980.44	4076627	4.04345	214.82	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 40	P40	
649920.26	4076547	3.28384	214.91	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 41	P41	4
649852.19	4076474	2.61558	214.09	266	1.5	ANNUAL	ALL	1		Boundary Perimeter 42	P42	
649770.68	4076417	1.99619	211.53	266	1.5	ANNUAL	ALL	1		Boundary Perimeter 43	P43	4
649680.48	4076375	1.81045	210.17	266	1.5	ANNUAL	ALL	1		Boundary Perimeter 44	P44	
649580.91	4076368	1.6538	208.52	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 45	P45	4
649482.48	4076384	1.413	207.5	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 46	P46	1
649391.59	4076425	1.48934	205.17	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 47	P47	4
649303.5	4076472	1.52459	202.16	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 48	P48	1
649226.19	4076535	1.46041	196.38	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 49	P49	4
649156.2	4076605	1.60381	195.87	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 50	P50	1
649068.25	4076653	1.38737	196.32	264	1.5	ANNUAL	ALL	1		Boundary Perimeter 51	P51	4
648986.7	4076711	1.24667	192.42	263	1.5	ANNUAL	ALL	1		Boundary Perimeter 52	P52	

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X	Y	,3(1X,F13.5),3(1X,F8.2 AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648936.53	4076759	1.24702	192.46	250	1.5	ANNUAL	ALL	1	NETTO	Boundary Perimeter 53	P53
648868.58	4076833	1.29111	191.63	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 54	P54
648797.23	4076902	1.3605	186.32	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 55	P55
648710.56	4076952	1.14762	179.81	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 56	P56
648620.79	4076996	0.69545	176.23	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 57	P57
648607.19	4077051	0.88007	175.02	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 58	P58
648680.07	4077119	1.14317	180.62	250	1.5	ANNUAL	ALL	1		Boundary Perimeter 59	P59
649084.12	4077532	0.71741	216.54	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 6	P6
648759.24	4077180	0.69545	183.47	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 60	P60
648791.44	4077262	0.57344	202.88	245	1.5	ANNUAL	ALL	1		Boundary Perimeter 61	P61
648788.45	4077362	0.48379	178.21	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 62	P62
648691.25	4077361	0.47985	176.25	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 63	P63
648591.35	4077357	0.48567	176	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 64	P64
648525.69	4077371	0.46581	175.24	245	1.5	ANNUAL	ALL	1		Boundary Perimeter 65	P65
648586.93	4077430	0.43251	175.13	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 66	P66
649184.09	4077534	0.94369	230.71	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 7	P7
649284.08	4077535	1.01334	248.08	259	1.5	ANNUAL	ALL	1		Boundary Perimeter 8	P8
649384.06	4077536	0.86015	258.43	258.43	1.5	ANNUAL	ALL	1		Boundary Perimeter 9	P9
645930	4077983	0.04341	127.38	127.38	1.5	ANNUAL	ALL	1		New Development	RP G1
646030	4077983	0.04572	131.21	131.21	1.5	ANNUAL	ALL	1		New Development	RP G1
646130	4077983	0.04825	135.89	135.89	1.5	ANNUAL	ALL	1		New Development	RP G1
646230	4077983	0.051	139.18	139.18	1.5	ANNUAL	ALL	1		New Development	RP G1
646330	4077983	0.05401	140.76	140.76	1.5	ANNUAL	ALL	1		New Development	RP G1
646430	4077983	0.05739	143.89	143.89	1.5	ANNUAL	ALL	1		New Development	RP G1
646530	4077983	0.06111	145.22	145.22	1.5	ANNUAL	ALL	1		New Development	RP_G1
646630	4077983	0.06529	147.21	147.21	1.5	ANNUAL	ALL	1		New Development	RP_G1
646730	4077983	0.06991	148.3	160	1.5	ANNUAL	ALL	1		New Development	RP_G1
645930	4078083	0.04441	127.58	127.58	1.5	ANNUAL	ALL	1		New Development	RP_G1
646030	4078083	0.04679	130.56	130.56	1.5	ANNUAL	ALL	1		New Development	RP_G1
646130	4078083	0.04943	134.35	134.35	1.5	ANNUAL	ALL	1		New Development	RP_G1
646230	4078083	0.05238	139.22	139.22	1.5	ANNUAL	ALL	1		New Development	RP_G1
646330	4078083	0.0557	144.65	144.65	1.5	ANNUAL	ALL	1		New Development	RP_G1
646430	4078083	0.05916	142.28	142.28	1.5	ANNUAL	ALL	1		New Development	RP_G1
646530	4078083	0.06319	146.76	146.76	1.5	ANNUAL	ALL	1		New Development	RP_G1
646630	4078083	0.06763	150.64	150.64	1.5	ANNUAL	ALL	1		New Development	RP_G1
646730	4078083	0.07261	155.4	157	1.5	ANNUAL	ALL	1		New Development	RP_G1
645930	4078183	0.04547	127.22	127.22	1.5	ANNUAL	ALL	1		New Development	RP_G1
646030	4078183	0.04801	130.56	130.56	1.5	ANNUAL	ALL	1		New Development	RP_G1
646130	4078183	0.05082	133.89	133.89	1.5	ANNUAL	ALL	1		New Development	RP_G1
646230	4078183	0.05398	140.45	140.45	1.5	ANNUAL	ALL	1		New Development	RP_G1

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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

POKI	AAI.(A,IA)	,3(11,113.3),3(11,116.	2),2A,A0,2A	,,A0,2A,10.0	,2A,A0)							
X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID	
646330	4078183	0.05749	146.94	146.94	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646430	4078183	0.0609	140.23	140.23	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646530	4078183	0.06504	147.25	147.25	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646630	4078183	0.06954	151.56	151.56	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646730	4078183	0.07475	157.78	166	1.5	ANNUAL	ALL	1		New Development	RP G1	
645930	4078283	0.04664	126.06	126.06	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646030	4078283	0.0493	129.56	129.56	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646130	4078283	0.05219	132.89	132.89	1.5	ANNUAL	ALL	1		New Development	RP_G1	
646230	4078283	0.05537	139.24	139.24	1.5	ANNUAL	ALL	1		New Development	RP G1	
646330	4078283	0.05876	142.68	142.68	1.5	ANNUAL	ALL	1		New Development	RP G1	
646430	4078283	0.06227	140.02	140.02	1.5	ANNUAL	ALL	1		New Development	RP G1	
646530	4078283	0.06647	147.22	147.22	1.5	ANNUAL	ALL	1		New Development	RP G1	
646630	4078283	0.07118	151.56	151.56	1.5	ANNUAL	ALL	1		New Development	RP G1	
646730	4078283	0.07672	156.78	166	1.5	ANNUAL	ALL	1		New Development	RP G1	
648659.32	4077241	0.65992	205.79	205.79	1.5	ANNUAL	ALL	1		House 1	RP H1	ME
648071.24	4076116	0.09225	169.6	240	1.5	ANNUAL	ALL	1		House 10	RP H10	
648247.37	4076278	0.11999	184.55	240	1.5	ANNUAL	ALL	1		House 11	RP H11	
648027.19	4076255	0.09356	169.38	240	1.5	ANNUAL	ALL	1		House 12	RP H12	
648065.77	4076359	0.09895	173.83	240	1.5	ANNUAL	ALL	1		House 13	RP H13	
648138.68	4076400	0.10811	178.22	240	1.5	ANNUAL	ALL	1		House 14	RP_H14	
648254.71	4076411	0.12644	191.28	240	1.5	ANNUAL	ALL	1		House 15	RP H15	
647877.81	4076365	0.08187	165.39	240	1.5	ANNUAL	ALL	1		House 16	RP H16	
647520	4076206	0.06001	159	159	1.5	ANNUAL	ALL	1		House 17	RP H17	
647921	4076247	0.08474	164	240	1.5	ANNUAL	ALL	1		House 18	RP H18	
647708.78	4076352	0.0702	163.52	163.52	1.5	ANNUAL	ALL	1		House 19	RP_H19	
648371.71	4075470	0.08055	173.69	227	1.5	ANNUAL	ALL	1		House 2	RP_H2	
647703.58	4076251	0.06983	162.17	162.17	1.5	ANNUAL	ALL	1		House 20	RP H20	
647718.77	4076104	0.07035	159.35	159.35	1.5	ANNUAL	ALL	1		House 21	RP H21	
647843.32	4076125	0.07729	163	234	1.5	ANNUAL	ALL	1		House 22	RP_H22	
647842.26	4076500	0.08569	167.93	167.93	1.5	ANNUAL	ALL	1		House 23	RP_H23	
647727.75	4076644	0.08699	164.15	164.15	1.5	ANNUAL	ALL	1		House 24	RP_H24	
647823.91	4076644	0.09504	168.29	168.29	1.5	ANNUAL	ALL	1		House 25	RP_H25	
647530	4076497	0.06815	159.56	159.56	1.5	ANNUAL	ALL	1		House 26	RP H26	
647810.11	4076854	0.09839	162.9	162.9	1.5	ANNUAL	ALL	1		House 27	RP H27	
647697.48	4076989	0.10023	161.42	162	1.5	ANNUAL	ALL	1		House 28	RP_H28	
648225.5	4076182	0.11161	183.22	240	1.5	ANNUAL	ALL	1		House 29	RP_H29	
647678.23	4075969	0.06453	159.5	159.5	1.5	ANNUAL	ALL	1		House 3	RP_H3	
645876.32	4077487	0.03623	127.13	142	1.5	ANNUAL	ALL	1		House 30	RP_H30	
650902	4076062	0.58739	215.24	287	1.5	ANNUAL	ALL	1		House 31	RP_H31	
651490	4076597	0.23817	205.5	813	1.5	ANNUAL	ALL	1		House 32	RP_H32	
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* AERMET (21112): 2020

15:54:04

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 284 RECEPTORS.

X	Y	AVERAGE CONC		ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
651565	4077067	0.16903	213.93	813	1.5	ANNUAL	ALL	1	NET IV	House 33	RP H33
648672.77	4075307	0.09966	225.91	227	1.5	ANNUAL	ALL	1		House 34	RP H34
648383.6	4075469	0.08113	174.44	227	1.5	ANNUAL	ALL	1		House 35	RP H35
646379.37	4077233	0.04395	146	146	1.5	ANNUAL	ALL	1		House 36	RP H36
651849.72	4075865	0.19558	201.97	333	1.5	ANNUAL	ALL	1		House 37	RP H37
652045.49	4076210	0.15184	196.88	813	1.5	ANNUAL	ALL	1		House 38	RP H38
652255.69	4076391	0.12396	197.06	813	1.5	ANNUAL	ALL	1		House 39	RP H39
647815.25	4075985	0.07089	162.04	162.04	1.5	ANNUAL	ALL	1		House 4	RP H4
646853.73	4077373	0.06005	145.99	145.99	1.5	ANNUAL	ALL	1		House 40	RP H40
647050.21	4077360	0.06837	145	145	1.5	ANNUAL	ALL	1		House 41	RP H41
647286.42	4077474	0.08886	149.68	153	1.5	ANNUAL	ALL	1		House 42	RP_H42
647359.05	4077340	0.08677	154.45	159	1.5	ANNUAL	ALL	1		House 43	RP_H43
647490.41	4077329	0.09757	162.28	162.28	1.5	ANNUAL	ALL	1		House 44	RP_H44
647522.17	4077252	0.0961	164.3	164.3	1.5	ANNUAL	ALL	1		House 45	RP_H45
647517.82	4077139	0.09263	164.01	164.01	1.5	ANNUAL	ALL	1		House 46	RP_H46
646819.01	4077258	0.05678	151.53	152	1.5	ANNUAL	ALL	1		House 47	RP_H47
646778.72	4077128	0.05409	158.51	158.51	1.5	ANNUAL	ALL	1		House 48	RP_H48
646987.26	4077213	0.0625	146.44	146.44	1.5	ANNUAL	ALL	1		House 49	RP_H49
647898.2	4076033	0.07695	163.83	237	1.5	ANNUAL	ALL	1		House 5	RP_H5
647241.77	4077227	0.07515	154.85	154.85	1.5	ANNUAL	ALL	1		House 50	RP_H50
646773.05	4077063	0.0528	159	159	1.5	ANNUAL	ALL	1		House 51	RP_H51
647104.37	4077118	0.06636	148.99	148.99	1.5	ANNUAL	ALL	1		House 52	RP_H52
647291.9	4077123	0.07651	158.62	158.62	1.5	ANNUAL	ALL	1		House 53	RP_H53
646765.24	4076978	0.05043	158.67	158.67	1.5	ANNUAL	ALL	1		House 54	RP_H54
646995.65	4076984	0.05802	152.34	152.34	1.5	ANNUAL	ALL	1		House 55	RP_H55
647317.21	4077031	0.07505	160.22	160.22	1.5	ANNUAL	ALL	1		House 56	RP_H56
647398.39	4077013	0.07905	161.26	161.26	1.5	ANNUAL	ALL	1		House 57	RP_H57
646978.93	4076904	0.05444	156.81	156.81	1.5	ANNUAL	ALL	1		House 58	RP_H58
647015.19	4076807	0.05213	156.21	156.21	1.5	ANNUAL	ALL	1		House 59	RP_H59
648045.44	4076018	0.08552	168.26	240	1.5	ANNUAL	ALL	1		House 6	RP_H6
647163.96	4076802	0.05692	154.38	154.38	1.5	ANNUAL	ALL	1		House 60	RP_H60
647310.58	4076940	0.07001	162.49	162.49	1.5	ANNUAL	ALL	1		House 61	RP_H61
647298.09	4076805	0.0624	158	158	1.5	ANNUAL	ALL	1		House 62	RP_H62
647446.56	4076900	0.07463	159.45	159.45	1.5	ANNUAL	ALL	l		House 63	RP_H63
647464.49	4076781	0.06967	159.32	159.32	1.5	ANNUAL	ALL	1		House 64	RP_H64
647512	4076536	0.06936	159	159	1.5	ANNUAL	ALL	l		House 65	RP_H65
651131	4078767	0.04383	179.58	830	1.5	ANNUAL	ALL	1		House 66	RP_H66
647131	4077336	0.07177	146.77	146.77	1.5	ANNUAL	ALL	1		House 67	RP_H67
646798	4076740	0.04473	156.07	156.07	1.5	ANNUAL	ALL	1		House 68	RP_H68
646900	4076802	0.04872	159	159	1.5	ANNUAL	ALL	1		House 69	RP_H69

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- * FOR A TOTAL OF 284 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID	Description	ID
648126.33	4075955	0.08778	171.51	240	1.5	ANNUAL	ALL	1		House 7	RP_H7
647317	4076662	0.06146	159.9	159.9	1.5	ANNUAL	ALL	1		House 70	RP_H70
648249.26	4075970	0.09879	183.42	240	1.5	ANNUAL	ALL	1		House 8	RP_H8
648218.58	4076109	0.10587	182.28	240	1.5	ANNUAL	ALL	1		House 9	RP_H9

Data obtained from AERMOD, and formatted for data entry.

Concentration values shown are in µg/m³.

10/01/21

* AERMET (21112): Closure Area TAC Gnd 2018

11:09:36

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 299 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	ID	Description	
645996	4078698	324,650.35	123.85	0	ANNUAL	ALL	AQ_ST_1	AQ Monitoring Station	
643903.7	4077719	123,422.24	105.68	0	ANNUAL	ALL	CR_HP_1	Hazel Hawkins Memorial Hospital	
642056.8	4079416	110,504.13	85.12	0	ANNUAL	ALL	CR_PK_1	Dunne Park	
642179.1	4079950	118,045.33	117.99	0	ANNUAL	ALL	CR_PK_2	Vista Park Hill Park	
644733.1	4078753	220,277.38	106.44	0	ANNUAL	ALL	CR_PK_3	Las Brisas Park	
645608.8	4078854	279,358.32	112.86	0	ANNUAL	ALL	CR_PK_4	Frank Klauer Memorial Park	
644238.1	4078807	190,612.86	95.25	0	ANNUAL	ALL	CR_PK_5	Veterans Memorial Park	
645311.5	4076559	169,875.06	134.61	0	ANNUAL	ALL	CR_PK_6	Park 6	
649581.7	4073424	214,443.21	159.96	0	ANNUAL	ALL	CR_PK_7	Park 7	
645145.1	4077181	178,352.08	133	0	ANNUAL	ALL	CR_SC_1	Cerra Vista Elem School	
642904.7	4079955	130,108.92	86	0	ANNUAL	ALL	CR_SC_10	San Andreas Continuation	
645850.7	4074015	71,810.83	123	0	ANNUAL	ALL	CR_SC_11	SouthSide School	
642105.7	4078176	80,084.61	91	0	ANNUAL	ALL	CR_SC_12	School 12	
646058.9	4078443	350,638.67	128.52	0	ANNUAL	ALL	CR_SC_13	Rancho Santana School	School 1
647269	4075575	198,589.20	158	0	ANNUAL	ALL	CR_SC_14	Future School	School 2
648466	4074106	145,704.08	159	0	ANNUAL	ALL	CR_SC_15	Tres Pinos Union Elementary School	
644109.6	4078389	184,278.78	98.2	0	ANNUAL	ALL	CR_SC_2	Sunnyslope Elem School	
643920.1	4077304	125,334.62	101.23	0	ANNUAL	ALL	CR_SC_3	Hollister Montessori School	
642961.1	4078621	138,594.16	92	0	ANNUAL	ALL	CR_SC_4	Rancho San Justo Middle School	
643980	4079743	160,649.44	88	0	ANNUAL	ALL	CR_SC_5	Marguerite Maze Middle School	
641630.2	4079153	107,747.12	85	0	ANNUAL	ALL	CR_SC_6	Hollister Prep Schoo	
643350	4077181	106,865.28	98.22	0	ANNUAL	ALL	CR_SC_7	Ladd Lane Elementary School	
644003	4080079	147,770.98	87	0	ANNUAL	ALL	CR_SC_8	Gabilan Hills Elementary School	
642244.9	4078413	98,876.48	90.17	0	ANNUAL	ALL	CR_SC_9	San Benito High School	
642083.4	4079794	112,693.48	87.58	0	ANNUAL	ALL	CR_SR_1	Jovenes De Antano	
646402	4076879	286,676.67	146.33	0	ANNUAL	ALL	CR_WP_1	Workplace	
648949	4077938	2,029,203.56	189.45	0	ANNUAL	ALL	CR_WP_2	Nearest Workplace	MEIW
647744	4079173	581,323.74	155.2	0	ANNUAL	ALL	G1	Grid Receptor 1	
647744	4075573	237,263.78	160	0	ANNUAL	ALL	G10	Grid Receptor 10	
651344	4075573	1,020,850.50	252.9	0	ANNUAL	ALL	G100	Grid Receptor 100	
648144	4079173	628,181.20	165.9	0	ANNUAL	ALL	G11	Grid Receptor 11	
648144	4078773	789,669.48	159.6	0	ANNUAL	ALL	G12	Grid Receptor 12	

* AERMOD (19191): Appendix B Attachment

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* AERMET (21112): Closure Area TAC Gnd 2018

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 299 RECEPTORS.

		A,5(1A,115.5),5(1A,18.2						
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	ID	Description
648144	4078373	968,216.04	146.2	0	ANNUAL	ALL	G13	Grid Receptor 13
648144	4077973	1,165,163.12	158.3	0	ANNUAL	ALL	G14	Grid Receptor 14
648144	4077573	1,297,938.89	166.6	0	ANNUAL	ALL	G15	Grid Receptor 15
648144	4077173	1,168,896.33	175.4	0	ANNUAL	ALL	G16	Grid Receptor 16
648144	4076773	814,279.61	177.1	0	ANNUAL	ALL	G17	Grid Receptor 17
648144	4076373	519,470.04	178	0	ANNUAL	ALL	G18	Grid Receptor 18
648144	4075973	361,873.66	173	0	ANNUAL	ALL	G19	Grid Receptor 19
647744	4078773	666,701.41	145.4	0	ANNUAL	ALL	G2	Grid Receptor 2
648144	4075573	263,899.43	168.8	0	ANNUAL	ALL	G20	Grid Receptor 20
648544	4079173	612,394.55	173.5	0	ANNUAL	ALL	G21	Grid Receptor 21
648544	4078773	833,899.34	166.2	0	ANNUAL	ALL	G22	Grid Receptor 22
648544	4078373	1,140,939.13	145.4	0	ANNUAL	ALL	G23	Grid Receptor 23
648544	4077973	1,614,766.29	173.9	0	ANNUAL	ALL	G24	Grid Receptor 24
648544	4077573	2,033,284.95	179.6	0	ANNUAL	ALL	G25	Grid Receptor 25
648544	4077173	1,996,290.12	191	0	ANNUAL	ALL	G26	Grid Receptor 26
648544	4076773	1,536,734.78	209.2	0	ANNUAL	ALL	G27	Grid Receptor 27
648544	4076373	840,280.03	233.7	0	ANNUAL	ALL	G28	Grid Receptor 28
648544	4075973	507,060.58	199.9	0	ANNUAL	ALL	G29	Grid Receptor 29
647744	4078373	756,956.44	144.4	0	ANNUAL	ALL	G3	Grid Receptor 3
648544	4075573	334,170.88	195.5	0	ANNUAL	ALL	G30	Grid Receptor 30
648944	4079173	561,815.31	190.4	0	ANNUAL	ALL	G31	Grid Receptor 31
648944	4078773	790,796.14	165.4	0	ANNUAL	ALL	G32	Grid Receptor 32
648944	4078373	1,197,735.35	159.6	0	ANNUAL	ALL	G33	Grid Receptor 33
648944	4077973	1,910,059.33	183.5	0	ANNUAL	ALL	G34	Grid Receptor 34
648944	4076773	2,787,042.77	193	0	ANNUAL	ALL	G37	Grid Receptor 37
648944	4076373	1,172,101.27	205	0	ANNUAL	ALL	G38	Grid Receptor 38
648944	4075973	724,821.38	208.8	0	ANNUAL	ALL	G39	Grid Receptor 39
647744	4077973	867,512.66	134.6	0	ANNUAL	ALL	G4	Grid Receptor 4
648944	4075573	428,633.48	185.6	0	ANNUAL	ALL	G40	Grid Receptor 40
649344	4079173	438,637.65	187.4	0	ANNUAL	ALL	G41	Grid Receptor 41
649344	4078773	648,931.36	160.9	0	ANNUAL	ALL	G42	Grid Receptor 42
649344	4078373	1,269,402.92	200.5	0	ANNUAL	ALL	G43	Grid Receptor 43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	ID	Description	
649344	4077973	2,608,451.19	229	0	ANNUAL	ALL	G44	Grid Receptor 44	
649344	4075973	1,401,055.20	227.2	0	ANNUAL	ALL	G49	Grid Receptor 49	
647744	4077573	910,109.27	163.8	0	ANNUAL	ALL	G5	Grid Receptor 5	
649344	4075573	787,171.28	205.5	0	ANNUAL	ALL	G50	Grid Receptor 50	
649744	4079173	340,915.37	176.1	0	ANNUAL	ALL	G51	Grid Receptor 51	
649744	4078773	539,765.01	195	0	ANNUAL	ALL	G52	Grid Receptor 52	
649744	4078373	917,598.42	196.1	0	ANNUAL	ALL	G53	Grid Receptor 53	
649744	4077973	2,394,021.40	215.3	0	ANNUAL	ALL	G54	Grid Receptor 54	
649744	4075973	2,028,811.27	237.7	0	ANNUAL	ALL	G59	Grid Receptor 59	
647744	4077173	773,930.65	158.4	0	ANNUAL	ALL	G6	Grid Receptor 6	
649744	4075573	1,249,723.10	204.2	0	ANNUAL	ALL	G60	Grid Receptor 60	
650144	4079173	298,798.07	173	0	ANNUAL	ALL	G61	Grid Receptor 61	
650144	4078773	411,563.63	171	0	ANNUAL	ALL	G62	Grid Receptor 62	
650144	4078373	729,070.48	204.6	0	ANNUAL	ALL	G63	Grid Receptor 63	
650144	4077973	1,560,968.17	216.5	0	ANNUAL	ALL	G64	Grid Receptor 64	
650144	4076773	16,709,271.55	223.3	0	ANNUAL	ALL	G67	Grid Receptor 67	PM
650144	4076373	5,808,936.38	231.4	0	ANNUAL	ALL	G68	Grid Receptor 68	
650144	4075973	1,694,086.41	249.4	0	ANNUAL	ALL	G69	Grid Receptor 69	
647744	4076773	593,886.95	164.7	0	ANNUAL	ALL	G7	Grid Receptor 7	
650144	4075573	1,742,973.21	216.4	0	ANNUAL	ALL	G70	Grid Receptor 70	
650544	4079173	261,647.76	177	0	ANNUAL	ALL	G71	Grid Receptor 71	
650544	4078773	347,394.90	180.9	0	ANNUAL	ALL	G72	Grid Receptor 72	
650544	4078373	533,967.43	196.6	0	ANNUAL	ALL	G73	Grid Receptor 73	
650544	4077973	925,339.98	236.9	0	ANNUAL	ALL	G74	Grid Receptor 74	
650544	4076773	11,928,658.42	234.2	0	ANNUAL	ALL	G77	Grid Receptor 77	
650544	4076373	1,821,074.55	260.9	0	ANNUAL	ALL	G78	Grid Receptor 78	
650544	4075973	3,020,088.79	226.7	0	ANNUAL	ALL	G79	Grid Receptor 79	
647744	4076373	395,007.35	164	0	ANNUAL	ALL	G8	Grid Receptor 8	
650544	4075573	701,897.81	268.2	0	ANNUAL	ALL	G80	Grid Receptor 80	
650944	4079173	225,042.64	181.3	0	ANNUAL	ALL	G81	Grid Receptor 81	
650944	4078773	285,722.10	178.4	0	ANNUAL	ALL	G82	Grid Receptor 82	
650944	4078373	532,684.12	214.8	0	ANNUAL	ALL	G83	Grid Receptor 83	

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650944	4077973	464,318.26	249.9	0	ANNUAL	ALL	G84	Grid Receptor 84
650944	4077573	382,817.86	276.5	0	ANNUAL	ALL	G85	Grid Receptor 85
650944	4077173	3,708,932.35	225.6	0	ANNUAL	ALL	G86	Grid Receptor 86
650944	4076773	5,357,487.84	219.8	0	ANNUAL	ALL	G87	Grid Receptor 87
650944	4076373	3,524,897.46	209.2	0	ANNUAL	ALL	G88	Grid Receptor 88
650944	4075973	2,527,210.82	216.6	0	ANNUAL	ALL	G89	Grid Receptor 89
647744	4075973	279,201.73	160.7	0	ANNUAL	ALL	G9	Grid Receptor 9
650944	4075573	1,488,359.82	243.2	0	ANNUAL	ALL	G90	Grid Receptor 90
651344	4079173	205,267.64	191	0	ANNUAL	ALL	G91	Grid Receptor 91
651344	4078773	264,070.48	181	0	ANNUAL	ALL	G92	Grid Receptor 92
651344	4078373	477,667.15	214.3	0	ANNUAL	ALL	G93	Grid Receptor 93
651344	4077973	451,144.55	248.4	0	ANNUAL	ALL	G94	Grid Receptor 94
651344	4077573	1,097,219.31	213.2	0	ANNUAL	ALL	G95	Grid Receptor 95
651344	4077173	1,802,598.24	213.6	0	ANNUAL	ALL	G96	Grid Receptor 96
651344	4076773	2,134,538.20	203.5	0	ANNUAL	ALL	G97	Grid Receptor 97
651344	4076373	2,169,043.87	205.6	0	ANNUAL	ALL	G98	Grid Receptor 98
651344	4075973	1,861,356.83	205.8	0	ANNUAL	ALL	G99	Grid Receptor 99
648584.2	4077523	2,188,172.82	183.61	0	ANNUAL	ALL	P1	Boundary Perimeter 1
649484.1	4077537	1,858,202.15	254.01	0	ANNUAL	ALL	P10	Boundary Perimeter 10
649584	4077539	4,985,200.84	235.3	0	ANNUAL	ALL	P11	Boundary Perimeter 11
649684	4077540	7,745,265.06	221.29	0	ANNUAL	ALL	P12	Boundary Perimeter 12
649784	4077541	8,490,538.32	222.37	0	ANNUAL	ALL	P13	Boundary Perimeter 13
649884	4077542	6,116,638.23	233.6	0	ANNUAL	ALL	P14	Boundary Perimeter 14
649984	4077543	2,491,755.39	249.54	0	ANNUAL	ALL	P15	Boundary Perimeter 15
650083.9	4077546	1,614,823.64	258.89	0	ANNUAL	ALL	P16	Boundary Perimeter 16
650183.9	4077548	1,340,004.79	259.56	0	ANNUAL	ALL	P17	Boundary Perimeter 17
650283.9	4077550	1,124,493.53	256.77	0	ANNUAL	ALL	P18	Boundary Perimeter 18
650383.8	4077552	1,852,252.38	242.37	0	ANNUAL	ALL	P19	Boundary Perimeter 19
648684.2	4077525	2,608,638.38	197.16	0	ANNUAL	ALL	P2	Boundary Perimeter 2
650483.8	4077554	1,632,936.75	242.23	0	ANNUAL	ALL	P20	Boundary Perimeter 20
650583.8	4077557	700,494.25	259.71	0	ANNUAL	ALL	P21	Boundary Perimeter 21
650683.8	4077559	715,952.92	257.58	0	ANNUAL	ALL	P22	Boundary Perimeter 22

10/01/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	ID	Description
650776.8	4077554	517,550.02	267.9	0	ANNUAL	ALL	P23	Boundary Perimeter 23
650778.9	4077454	595,056.83	275.91	0	ANNUAL	ALL	P24	Boundary Perimeter 24
650781	4077354	976,913.49	265.73	0	ANNUAL	ALL	P25	Boundary Perimeter 25
650783.1	4077254	1,920,061.57	251.08	0	ANNUAL	ALL	P26	Boundary Perimeter 26
650785.2	4077154	2,449,061.78	252.83	0	ANNUAL	ALL	P27	Boundary Perimeter 27
650787.3	4077054	3,799,271.15	246.1	0	ANNUAL	ALL	P28	Boundary Perimeter 28
650789.4	4076954	5,097,333.37	241.37	0	ANNUAL	ALL	P29	Boundary Perimeter 29
648784.2	4077527	3,355,773.53	209.74	0	ANNUAL	ALL	Р3	Boundary Perimeter 3
650791.5	4076854	4,408,405.11	246.79	0	ANNUAL	ALL	P30	Boundary Perimeter 30
650793.6	4076754	7,716,462.41	228.75	0	ANNUAL	ALL	P31	Boundary Perimeter 31
650754.4	4076683	7,739,304.03	217.76	0	ANNUAL	ALL	P32	Boundary Perimeter 32
650660.2	4076650	8,588,640.02	221.2	0	ANNUAL	ALL	P33	Boundary Perimeter 33
650561.4	4076650	9,440,015.72	220.83	0	ANNUAL	ALL	P34	Boundary Perimeter 34
650462.7	4076666	10,368,214.23	223.42	0	ANNUAL	ALL	P35	Boundary Perimeter 35
650364	4076682	11,102,883.02	222.46	0	ANNUAL	ALL	P36	Boundary Perimeter 36
650264.2	4076683	11,121,590.54	223.19	0	ANNUAL	ALL	P37	Boundary Perimeter 37
650164.7	4076674	11,456,490.84	222.1	0	ANNUAL	ALL	P38	Boundary Perimeter 38
650065.8	4076660	11,893,541.83	217.03	0	ANNUAL	ALL	P39	Boundary Perimeter 39
648884.2	4077529	4,043,638.71	214.25	0	ANNUAL	ALL	P4	Boundary Perimeter 4
649980.4	4076627	12,408,169.50	214.82	0	ANNUAL	ALL	P40	Boundary Perimeter 40
649920.3	4076547	12,126,829.19	214.91	0	ANNUAL	ALL	P41	Boundary Perimeter 41
649852.2	4076474	10,804,121.69	214.09	0	ANNUAL	ALL	P42	Boundary Perimeter 42
649770.7	4076417	8,918,023.39	211.53	0	ANNUAL	ALL	P43	Boundary Perimeter 43
649680.5	4076375	7,197,205.02	210.17	0	ANNUAL	ALL	P44	Boundary Perimeter 44
649580.9	4076368	5,708,180.88	208.52	0	ANNUAL	ALL	P45	Boundary Perimeter 45
649482.5	4076384	4,595,498.20	207.5	0	ANNUAL	ALL	P46	Boundary Perimeter 46
649391.6	4076425	4,111,663.39	205.17	0	ANNUAL	ALL	P47	Boundary Perimeter 47
649303.5	4076472	3,519,573.57	202.16	0	ANNUAL	ALL	P48	Boundary Perimeter 48
649226.2	4076535	3,335,527.53	196.38	0	ANNUAL	ALL	P49	Boundary Perimeter 49
648984.1	4077530	4,783,263.22	221.41	0	ANNUAL	ALL	P5	Boundary Perimeter 5
649156.2	4076605	3,415,700.97	195.87	0	ANNUAL	ALL	P50	Boundary Perimeter 50
649068.3	4076653	2,948,229.56	196.32	0	ANNUAL	ALL	P51	Boundary Perimeter 51

* AERMET (21112): Closure Area TAC Gnd 2018

11:09:36

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 299 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	ID	Description
648986.7	4076711	2,718,952.94	192.42	0	ANNUAL	ALL	P52	Boundary Perimeter 52
648936.5	4076759	2,660,861.05	192.46	0	ANNUAL	ALL	P53	Boundary Perimeter 53
648868.6	4076833	2,578,129.94	191.63	0	ANNUAL	ALL	P54	Boundary Perimeter 54
648797.2	4076902	2,423,000.98	186.32	0	ANNUAL	ALL	P55	Boundary Perimeter 55
648710.6	4076952	2,160,905.53	179.81	0	ANNUAL	ALL	P56	Boundary Perimeter 56
648620.8	4076996	1,949,701.61	176.23	0	ANNUAL	ALL	P57	Boundary Perimeter 57
648607.2	4077051	2,008,147.12	175.02	0	ANNUAL	ALL	P58	Boundary Perimeter 58
648680.1	4077119	2,381,302.56	180.62	0	ANNUAL	ALL	P59	Boundary Perimeter 59
649084.1	4077532	4,954,856.20	216.54	0	ANNUAL	ALL	P6	Boundary Perimeter 6
648759.2	4077180	2,870,646.08	183.47	0	ANNUAL	ALL	P60	Boundary Perimeter 60
648791.4	4077262	3,386,047.50	202.88	0	ANNUAL	ALL	P61	Boundary Perimeter 61
648788.5	4077362	3,129,277.64	178.21	0	ANNUAL	ALL	P62	Boundary Perimeter 62
648691.3	4077361	2,637,846.24	176.25	0	ANNUAL	ALL	P63	Boundary Perimeter 63
648591.4	4077357	2,239,178.79	176	0	ANNUAL	ALL	P64	Boundary Perimeter 64
648525.7	4077371	2,031,944.88	175.24	0	ANNUAL	ALL	P65	Boundary Perimeter 65
648586.9	4077430	2,226,486.84	175.13	0	ANNUAL	ALL	P66	Boundary Perimeter 66
649184.1	4077534	4,959,347.23	230.71	0	ANNUAL	ALL	P7	Boundary Perimeter 7
649284.1	4077535	2,299,759.33	248.08	0	ANNUAL	ALL	P8	Boundary Perimeter 8
649384.1	4077536	1,519,592.24	258.43	0	ANNUAL	ALL	P9	Boundary Perimeter 9
645930	4077983	333,713.63	127.38	0	ANNUAL	ALL	RP_G1	New Development
645930	4078083	341,249.76	127.58	0	ANNUAL	ALL	RP_G10	New Development
646030	4078083	356,746.02	130.56	0	ANNUAL	ALL	RP_G11	New Development
646130	4078083	373,379.28	134.35	0	ANNUAL	ALL	RP_G12	New Development
646230	4078083	391,379.95	139.22	0	ANNUAL	ALL	RP_G13	New Development
646330	4078083	410,861.81	144.65	0	ANNUAL	ALL	RP_G14	New Development
646430	4078083	429,096.12	142.28	0	ANNUAL	ALL	RP_G15	New Development
646530	4078083	450,437.79	146.76	0	ANNUAL	ALL	RP_G16	New Development
646630	4078083	472,939.07	150.64	0	ANNUAL	ALL	RP_G17	New Development
646730	4078083	497,432.66	155.4	0	ANNUAL	ALL	RP_G18	New Development
645930	4078183	344,472.42	127.22	0	ANNUAL	ALL	RP_G19	New Development
646030	4077983	350,207.06	131.21	0	ANNUAL	ALL	RP_G2	New Development
646030	4078183	359,522.64	130.56	0	ANNUAL	ALL	RP_G20	New Development

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* AERMOD (19191): Appendix B Attachment

10/01/21

* AERMET (21112): Closure Area TAC Gnd 2018

11:09:36

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	ID	Description
646130	4078183	375,389.62	133.89	0	ANNUAL	ALL	RP_G21	New Development
646230	4078183	392,806.50	140.45	0	ANNUAL	ALL	RP_G22	New Development
646330	4078183	411,468.37	146.94	0	ANNUAL	ALL	RP_G23	New Development
646430	4078183	426,533.12	140.23	0	ANNUAL	ALL	RP_G24	New Development
646530	4078183	446,636.49	147.25	0	ANNUAL	ALL	RP_G25	New Development
646630	4078183	467,168.91	151.56	0	ANNUAL	ALL	RP_G26	New Development
646730	4078183	490,453.68	157.78	0	ANNUAL	ALL	RP_G27	New Development
645930	4078283	344,309.72	126.06	0	ANNUAL	ALL	RP_G28	New Development
646030	4078283	358,201.74	129.56	0	ANNUAL	ALL	RP_G29	New Development
646130	4077983	367,762.20	135.89	0	ANNUAL	ALL	RP_G3	New Development
646130	4078283	372,537.85	132.89	0	ANNUAL	ALL	RP_G30	New Development
646230	4078283	388,099.80	139.24	0	ANNUAL	ALL	RP_G31	New Development
646330	4078283	403,737.91	142.68	0	ANNUAL	ALL	RP_G32	New Development
646430	4078283	418,266.83	140.02	0	ANNUAL	ALL	RP_G33	New Development
646530	4078283	436,570.54	147.22	0	ANNUAL	ALL	RP_G34	New Development
646630	4078283	455,378.68	151.56	0	ANNUAL	ALL	RP_G35	New Development
646730	4078283	476,497.75	156.78	0	ANNUAL	ALL	RP_G36	New Development
646230	4077983	386,145.16	139.18	0	ANNUAL	ALL	RP_G4	New Development
646330	4077983	405,281.78	140.76	0	ANNUAL	ALL	RP_G5	New Development
646430	4077983	426,029.26	143.89	0	ANNUAL	ALL	RP_G6	New Development
646530	4077983	447,571.93	145.22	0	ANNUAL	ALL	RP_G7	New Development
646630	4077983	470,664.51	147.21	0	ANNUAL	ALL	RP_G8	New Development
646730	4077983	494,902.89	148.3	0	ANNUAL	ALL	RP_G9	New Development
648659.3	4077241	2,731,545.43	205.79	0	ANNUAL	ALL	RP_H1	House 1
648071.2	4076116	374,474.56	169.6	0	ANNUAL	ALL	RP_H10	House 10
648247.4	4076278	502,248.99	184.55	0	ANNUAL	ALL	RP_H11	House 11
648027.2	4076255	415,633.32	169.38	0	ANNUAL	ALL	RP_H12	House 12
648065.8	4076359	481,488.43	173.83	0	ANNUAL	ALL	RP_H13	House 13
648138.7	4076400	534,343.97	178.22	0	ANNUAL	ALL	RP_H14	House 14
648254.7	4076411	610,917.59	191.28	0	ANNUAL	ALL	RP_H15	House 15
647877.8	4076365	425,522.97	165.39	0	ANNUAL	ALL	RP_H16	House 16
647520	4076206	292,951.36	159	0	ANNUAL	ALL	RP_H17	House 17

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	ID	Description	
647921	4076247	384,152.83	164	0	ANNUAL	ALL	RP_H18	House 18	
647708.8	4076352	378,200.66	163.52	0	ANNUAL	ALL	RP_H19	House 19	
648371.7	4075470	259,680.76	173.69	0	ANNUAL	ALL	RP_H2	House 2	
647703.6	4076251	338,358.67	162.17	0	ANNUAL	ALL	RP_H20	House 20	
647718.8	4076104	297,973.98	159.35	0	ANNUAL	ALL	RP_H21	House 21	
647843.3	4076125	326,666.13	163	0	ANNUAL	ALL	RP_H22	House 22	
647842.3	4076500	479,629.95	167.93	0	ANNUAL	ALL	RP_H23	House 23	
647727.8	4076644	521,567.59	164.15	0	ANNUAL	ALL	RP_H24	House 24	
647823.9	4076644	554,246.92	168.29	0	ANNUAL	ALL	RP_H25	House 25	
647530	4076497	395,160.80	159.56	0	ANNUAL	ALL	RP_H26	House 26	
647810.1	4076854	668,543.02	162.9	0	ANNUAL	ALL	RP_H27	House 27	
647697.5	4076989	674,577.21	161.42	0	ANNUAL	ALL	RP_H28	House 28	
648225.5	4076182	444,733.06	183.22	0	ANNUAL	ALL	RP_H29	House 29	
647678.2	4075969	267,476.34	159.5	0	ANNUAL	ALL	RP_H3	House 3	
645876.3	4077487	260,468.20	127.13	0	ANNUAL	ALL	RP_H30	House 30	
650902	4076062	2,806,307.99	215.24	0	ANNUAL	ALL	RP_H31	House 31	MEIR
651490	4076597	1,842,317.35	205.5	0	ANNUAL	ALL	RP_H32	House 32	
651565	4077067	1,526,380.49	213.93	0	ANNUAL	ALL	RP_H33	House 33	
648672.8	4075307	365,364.56	225.91	0	ANNUAL	ALL	RP_H34	House 34	
648383.6	4075469	261,107.85	174.44	0	ANNUAL	ALL	RP_H35	House 35	
646379.4	4077233	309,382.17	146	0	ANNUAL	ALL	RP_H36	House 36	
651849.7	4075865	1,172,913.11	201.97	0	ANNUAL	ALL	RP_H37	House 37	
652045.5	4076210	1,035,484.89	196.88	0	ANNUAL	ALL	RP_H38	House 38	
652255.7	4076391	864,301.73	197.06	0	ANNUAL	ALL	RP_H39	House 39	
647815.3	4075985	293,658.42	162.04	0	ANNUAL	ALL	RP_H4	House 4	
646853.7	4077373	428,785.38	145.99	0	ANNUAL	ALL	RP_H40	House 40	
647050.2	4077360	484,519.49	145	0	ANNUAL	ALL	RP_H41	House 41	
647286.4	4077474	607,102.94	149.68	0	ANNUAL	ALL	RP_H42	House 42	
647359.1	4077340	602,620.60	154.45	0	ANNUAL	ALL	RP_H43	House 43	
647490.4	4077329	668,395.79	162.28	0	ANNUAL	ALL	RP_H44	House 44	
647522.2	4077252	664,728.19	164.3	0	ANNUAL	ALL	RP_H45	House 45	
647517.8	4077139	631,262.91	164.01	0	ANNUAL	ALL	RP_H46	House 46	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	ID	Description
646819	4077258	404,188.55	151.53	0	ANNUAL	ALL	RP_H47	House 47
646778.7	4077128	375,220.43	158.51	0	ANNUAL	ALL	RP_H48	House 48
646987.3	4077213	440,027.93	146.44	0	ANNUAL	ALL	RP_H49	House 49
647898.2	4076033	316,789.86	163.83	0	ANNUAL	ALL	RP_H5	House 5
647241.8	4077227	527,970.00	154.85	0	ANNUAL	ALL	RP_H50	House 50
646773.1	4077063	365,219.90	159	0	ANNUAL	ALL	RP_H51	House 51
647104.4	4077118	457,978.33	148.99	0	ANNUAL	ALL	RP_H52	House 52
647291.9	4077123	526,264.60	158.62	0	ANNUAL	ALL	RP_H53	House 53
646765.2	4076978	354,436.66	158.67	0	ANNUAL	ALL	RP_H54	House 54
646995.7	4076984	402,862.71	152.34	0	ANNUAL	ALL	RP_H55	House 55
647317.2	4077031	513,891.47	160.22	0	ANNUAL	ALL	RP_H56	House 56
647398.4	4077013	540,185.02	161.26	0	ANNUAL	ALL	RP_H57	House 57
646978.9	4076904	387,193.71	156.81	0	ANNUAL	ALL	RP_H58	House 58
647015.2	4076807	381,473.75	156.21	0	ANNUAL	ALL	RP_H59	House 59
648045.4	4076018	346,253.58	168.26	0	ANNUAL	ALL	RP_H6	House 6
647164	4076802	414,138.29	154.38	0	ANNUAL	ALL	RP_H60	House 60
647310.6	4076940	485,223.25	162.49	0	ANNUAL	ALL	RP_H61	House 61
647298.1	4076805	450,348.30	158	0	ANNUAL	ALL	RP_H62	House 62
647446.6	4076900	519,666.35	159.45	0	ANNUAL	ALL	RP_H63	House 63
647464.5	4076781	495,464.93	159.32	0	ANNUAL	ALL	RP_H64	House 64
647512	4076536	409,139.14	159	0	ANNUAL	ALL	RP_H65	House 65
651131	4078767	273,311.00	179.58	0	ANNUAL	ALL	RP_H66	House 66
647131	4077336	507,809.33	146.77	0	ANNUAL	ALL	RP_H67	House 67
646798	4076740	332,889.18	156.07	0	ANNUAL	ALL	RP_H68	House 68
646900	4076802	358,764.64	159	0	ANNUAL	ALL	RP_H69	House 69
648126.3	4075955	354,450.81	171.51	0	ANNUAL	ALL	RP_H7	House 7
647317	4076662	423,859.18	159.9	0	ANNUAL	ALL	RP_H70	House 70
648249.3	4075970	392,369.97	183.42	0	ANNUAL	ALL	RP_H8	House 8
648218.6	4076109	415,859.48	182.28	0	ANNUAL	ALL	RP_H9	House 9

10/01/21

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11:05:30

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

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FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
645996	4078698	200267.9656	123.85	0	ANNUAL	AQ ST 1	AQ Monitoring Station
643903.7	4077719	42259.6726	105.68	0	ANNUAL	CR HP 1	Hazel Hawkins Memorial Hospital
642056.8	4079416	48819.6521	85.12	0	ANNUAL	CR PK 1	Dunne Park
642179.1	4079950	58682.3486	117.99	0	ANNUAL	CR PK 2	Vista Park Hill Park
644733.1	4078753	103938.6278	106.44	0	ANNUAL	CR_PK_3	Las Brisas Park
645608.8	4078854	169346.6349	112.86	0	ANNUAL	CR_PK_4	Frank Klauer Memorial Park
644238.1	4078807	85835.1517	95.25	0	ANNUAL	CR_PK_5	Veterans Memorial Park
645311.5	4076559	61583.5034	134.61	0	ANNUAL	CR_PK_6	Park 6
649581.7	4073424	215515.826	159.96	0	ANNUAL	CR_PK_7	Park 7
645145.1	4077181	54163.7409	133	0	ANNUAL	CR_SC_1	Cerra Vista Elem School
642904.7	4079955	74495.3688	86	0	ANNUAL	CR_SC_10	San Andreas Continuation
645850.7	4074015	53307.1562	123	0	ANNUAL	CR_SC_11	SouthSide School
642105.7	4078176	24370.8574	91	0	ANNUAL	CR_SC_12	School 12
646058.9	4078443	188442.3075	128.52	0	ANNUAL	CR_SC_13	Rancho Santana School
647269	4075575	125121.4878	158	0	ANNUAL	CR_SC_14	Future School
648466	4074106	142953.2564	159	0	ANNUAL	CR_SC_15	Tres Pinos Union Elementary School
644109.6	4078389	70540.2963	98.2	0	ANNUAL	CR_SC_2	Sunnyslope Elem School
643920.1	4077304	37324.2953	101.23	0	ANNUAL	CR_SC_3	Hollister Montessori School
642961.1	4078621	52687.7525	92	0	ANNUAL	CR_SC_4	Rancho San Justo Middle School
643980	4079743	104908.4938	88	0	ANNUAL	CR_SC_5	Marguerite Maze Middle School
641630.2	4079153	43981.0178	85	0	ANNUAL	CR_SC_6	Hollister Prep Schoo
643350	4077181	29942.6206	98.22	0	ANNUAL	CR_SC_7	Ladd Lane Elementary School
644003	4080079	114237.0542	87	0	ANNUAL	CR_SC_8	Gabilan Hills Elementary School
642244.9	4078413	31383.5451	90.17	0	ANNUAL	CR_SC_9	San Benito High School
642083.4	4079794	52113.8086	87.58	0	ANNUAL	CR_SR_1	Jovenes De Antano
646402	4076879	94680.4974	146.33	0	ANNUAL	CR_WP_1	Workplace
648949	4077938	2274519.12	189.45	0	ANNUAL	CR_WP_2	Nearest Workplace
647744	4079173	674122.3312	155.2	0	ANNUAL	G1	Grid Receptor 1
647744	4075573	156791.4974	160	0	ANNUAL	G10	Grid Receptor 10
651344	4075573	980945.6261	252.9	0	ANNUAL	G100	Grid Receptor 100
648144	4079173	781339.0524	165.9	0	ANNUAL	G11	Grid Receptor 11
648144	4078773	911328.4715	159.6	0	ANNUAL	G12	Grid Receptor 12

MEIW

School 1 School 2

10/01/21

* AERMET (19191): Closure Area TAC Gnd 2019

11:05:30

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648144	4078373	1000854.154	146.2	0	ANNUAL	G13	Grid Receptor 13
648144	4077973	968062.3503	158.3	0	ANNUAL	G14	Grid Receptor 14
648144	4077573	730131.5461	166.6	0	ANNUAL	G15	Grid Receptor 15
648144	4077173	451324.6432	175.4	0	ANNUAL	G16	Grid Receptor 16
648144	4076773	353073.6465	177.1	0	ANNUAL	G17	Grid Receptor 17
648144	4076373	325810.5243	178	0	ANNUAL	G18	Grid Receptor 18
648144	4075973	256552.9029	173	0	ANNUAL	G19	Grid Receptor 19
647744	4078773	708993.917	145.4	0	ANNUAL	G2	Grid Receptor 2
648144	4075573	218020.348	168.8	0	ANNUAL	G20	Grid Receptor 20
648544	4079173	786134.0088	173.5	0	ANNUAL	G21	Grid Receptor 21
648544	4078773	1048536.143	166.2	0	ANNUAL	G22	Grid Receptor 22
648544	4078373	1306763.312	145.4	0	ANNUAL	G23	Grid Receptor 23
648544	4077973	1587948.223	173.9	0	ANNUAL	G24	Grid Receptor 24
648544	4077573	1477236.925	179.6	0	ANNUAL	G25	Grid Receptor 25
648544	4077173	925942.9473	191	0	ANNUAL	G26	Grid Receptor 26
648544	4076773	709965.007	209.2	0	ANNUAL	G27	Grid Receptor 27
648544	4076373	574737.1134	233.7	0	ANNUAL	G28	Grid Receptor 28
648544	4075973	396918.2315	199.9	0	ANNUAL	G29	Grid Receptor 29
647744	4078373	697986.5166	144.4	0	ANNUAL	G3	Grid Receptor 3
648544	4075573	317040.1197	195.5	0	ANNUAL	G30	Grid Receptor 30
648944	4079173	728906.3743	190.4	0	ANNUAL	G31	Grid Receptor 31
648944	4078773	991743.4283	165.4	0	ANNUAL	G32	Grid Receptor 32
648944	4078373	1466254.468	159.6	0	ANNUAL	G33	Grid Receptor 33
648944	4077973	2157752.076	183.5	0	ANNUAL	G34	Grid Receptor 34
648944	4076773	1409372.575	193	0	ANNUAL	G37	Grid Receptor 37
648944	4076373	913568.5037	205	0	ANNUAL	G38	Grid Receptor 38
648944	4075973	660814.1198	208.8	0	ANNUAL	G39	Grid Receptor 39
647744	4077973	587682.2184	134.6	0	ANNUAL	G4	Grid Receptor 4
648944	4075573	409365.6782	185.6	0	ANNUAL	G40	Grid Receptor 40
649344	4079173	541762.0144	187.4	0	ANNUAL	G41	Grid Receptor 41
649344	4078773	801863.8526	160.9	0	ANNUAL	G42	Grid Receptor 42
649344	4078373	1556233.065	200.5	0	ANNUAL	G43	Grid Receptor 43

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* AERMET (19191): Closure Area TAC Gnd 2019

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL FOR A TOTAL OF 299 RECEPTORS.

FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

	$(\Lambda,1\Lambda,)(1\Lambda)$	(1X,173.2),3(1X,178.2),2X,1					
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
649344	4077973	2995934.32	229	0	ANNUAL	G44	Grid Receptor 44
649344	4075973	1362965.857	227.2	0	ANNUAL	G49	Grid Receptor 49
647744	4077573	431601.4454	163.8	0	ANNUAL	G5	Grid Receptor 5
649344	4075573	784682.964	205.5	0	ANNUAL	G50	Grid Receptor 50
649744	4079173	354471.2393	176.1	0	ANNUAL	G51	Grid Receptor 51
649744	4078773	599073.3613	195	0	ANNUAL	G52	Grid Receptor 52
649744	4078373	1066877.399	196.1	0	ANNUAL	G53	Grid Receptor 53
649744	4077973	2752104.007	215.3	0	ANNUAL	G54	Grid Receptor 54
649744	4075973	2009141.44	237.7	0	ANNUAL	G59	Grid Receptor 59
647744	4077173	272985.3004	158.4	0	ANNUAL	G6	Grid Receptor 6
649744	4075573	1215698.067	204.2	0	ANNUAL	G60	Grid Receptor 60
650144	4079173	255174.983	173	0	ANNUAL	G61	Grid Receptor 61
650144	4078773	365708.3427	171	0	ANNUAL	G62	Grid Receptor 62
650144	4078373	672987.5432	204.6	0	ANNUAL	G63	Grid Receptor 63
650144	4077973	1519082.385	216.5	0	ANNUAL	G64	Grid Receptor 64
650144	4076773	14214194.53	223.3	0	ANNUAL	G67	Grid Receptor 67
650144	4076373	5349451.607	231.4	0	ANNUAL	G68	Grid Receptor 68
650144	4075973	1718092.995	249.4	0	ANNUAL	G69	Grid Receptor 69
647744	4076773	241596.525	164.7	0	ANNUAL	G7	Grid Receptor 7
650144	4075573	1660857.574	216.4	0	ANNUAL	G70	Grid Receptor 70
650544	4079173	223396.9903	177	0	ANNUAL	G71	Grid Receptor 71
650544	4078773	292884.1781	180.9	0	ANNUAL	G72	Grid Receptor 72
650544	4078373	422608.3277	196.6	0	ANNUAL	G73	Grid Receptor 73
650544	4077973	636061.6361	236.9	0	ANNUAL	G74	Grid Receptor 74
650544	4076773	11092503.57	234.2	0	ANNUAL	G77	Grid Receptor 77
650544	4076373	1886614.994	260.9	0	ANNUAL	G78	Grid Receptor 78
650544	4075973	2754888.602	226.7	0	ANNUAL	G79	Grid Receptor 79
647744	4076373	244296.6033	164	0	ANNUAL	G8	Grid Receptor 8
650544	4075573	727812.0864	268.2	0	ANNUAL	G80	Grid Receptor 80
650944	4079173	181450.7262	181.3	0	ANNUAL	G81	Grid Receptor 81
650944	4078773	206273.3515	178.4	0	ANNUAL	G82	Grid Receptor 82
650944	4078373	328276.4801	214.8	0	ANNUAL	G83	Grid Receptor 83
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* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL FOR A TOTAL OF 299 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
650944	4077973	260068.4968	249.9	0	ANNUAL	G84	Grid Receptor 84
650944	4077573	212556.8908	276.5	0	ANNUAL	G85	Grid Receptor 85
650944	4077173	2399265.836	225.6	0	ANNUAL	G86	Grid Receptor 86
650944	4076773	4359791.95	219.8	0	ANNUAL	G87	Grid Receptor 87
650944	4076373	3109593.912	209.2	0	ANNUAL	G88	Grid Receptor 88
650944	4075973	2243658.693	216.6	0	ANNUAL	G89	Grid Receptor 89
647744	4075973	192598.873	160.7	0	ANNUAL	G9	Grid Receptor 9
650944	4075573	1366688.733	243.2	0	ANNUAL	G90	Grid Receptor 90
651344	4079173	143007.3028	191	0	ANNUAL	G91	Grid Receptor 91
651344	4078773	159001.6346	181	0	ANNUAL	G92	Grid Receptor 92
651344	4078373	240082.8748	214.3	0	ANNUAL	G93	Grid Receptor 93
651344	4077973	237585.1877	248.4	0	ANNUAL	G94	Grid Receptor 94
651344	4077573	612823.1773	213.2	0	ANNUAL	G95	Grid Receptor 95
651344	4077173	1159610.913	213.6	0	ANNUAL	G96	Grid Receptor 96
651344	4076773	1664033.8	203.5	0	ANNUAL	G97	Grid Receptor 97
651344	4076373	1848913.844	205.6	0	ANNUAL	G98	Grid Receptor 98
651344	4075973	1617959.792	205.8	0	ANNUAL	G99	Grid Receptor 99
648584.2	4077523	1548882.538	183.61	0	ANNUAL	P1	Boundary Perimeter 1
649484.1	4077537	2058304.206	254.01	0	ANNUAL	P10	Boundary Perimeter 10
649584	4077539	4927600.081	235.3	0	ANNUAL	P11	Boundary Perimeter 11
649684	4077540	7363049.687	221.29	0	ANNUAL	P12	Boundary Perimeter 12
649784	4077541	8244478.858	222.37	0	ANNUAL	P13	Boundary Perimeter 13
649884	4077542	6323848.728	233.6	0	ANNUAL	P14	Boundary Perimeter 14
649984	4077543	2998661.122	249.54	0	ANNUAL	P15	Boundary Perimeter 15
650083.9	4077546	2170728.05	258.89	0	ANNUAL	P16	Boundary Perimeter 16
650183.9	4077548	1812177.985	259.56	0	ANNUAL	P17	Boundary Perimeter 17
650283.9	4077550	1207152.165	256.77	0	ANNUAL	P18	Boundary Perimeter 18
650383.8	4077552	1498068.85	242.37	0	ANNUAL	P19	Boundary Perimeter 19
648684.2	4077525	2002470.344	197.16	0	ANNUAL	P2	Boundary Perimeter 2
650483.8	4077554	1121973.238	242.23	0	ANNUAL	P20	Boundary Perimeter 20
650583.8	4077557	435735.8343	259.71	0	ANNUAL	P21	Boundary Perimeter 21
650683.8	4077559	424732.7593	257.58	0	ANNUAL	P22	Boundary Perimeter 22

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
650776.8	4077554	296631.7115	267.9	0	ANNUAL	P23	Boundary Perimeter 23
650778.9	4077454	345598.5378	275.91	0	ANNUAL	P24	Boundary Perimeter 24
650781	4077354	611673.2979	265.73	0	ANNUAL	P25	Boundary Perimeter 25
650783.1	4077254	1294743.233	251.08	0	ANNUAL	P26	Boundary Perimeter 26
650785.2	4077154	1816950.748	252.83	0	ANNUAL	P27	Boundary Perimeter 27
650787.3	4077054	3065431.505	246.1	0	ANNUAL	P28	Boundary Perimeter 28
650789.4	4076954	4208668.685	241.37	0	ANNUAL	P29	Boundary Perimeter 29
648784.2	4077527	2772923.148	209.74	0	ANNUAL	Р3	Boundary Perimeter 3
650791.5	4076854	3922447.961	246.79	0	ANNUAL	P30	Boundary Perimeter 30
650793.6	4076754	6605984.743	228.75	0	ANNUAL	P31	Boundary Perimeter 31
650754.4	4076683	6730951.502	217.76	0	ANNUAL	P32	Boundary Perimeter 32
650660.2	4076650	7558754.626	221.2	0	ANNUAL	P33	Boundary Perimeter 33
650561.4	4076650	8409699.855	220.83	0	ANNUAL	P34	Boundary Perimeter 34
650462.7	4076666	9266328.243	223.42	0	ANNUAL	P35	Boundary Perimeter 35
650364	4076682	9852854.713	222.46	0	ANNUAL	P36	Boundary Perimeter 36
650264.2	4076683	9769831.422	223.19	0	ANNUAL	P37	Boundary Perimeter 37
650164.7	4076674	9974595.383	222.1	0	ANNUAL	P38	Boundary Perimeter 38
650065.8	4076660	10382614.35	217.03	0	ANNUAL	P39	Boundary Perimeter 39
648884.2	4077529	3556930.405	214.25	0	ANNUAL	P4	Boundary Perimeter 4
649980.4	4076627	10870574.22	214.82	0	ANNUAL	P40	Boundary Perimeter 40
649920.3	4076547	10814264.58	214.91	0	ANNUAL	P41	Boundary Perimeter 41
649852.2	4076474	9928357.557	214.09	0	ANNUAL	P42	Boundary Perimeter 42
649770.7	4076417	8380784.058	211.53	0	ANNUAL	P43	Boundary Perimeter 43
649680.5	4076375	6852174.973	210.17	0	ANNUAL	P44	Boundary Perimeter 44
649580.9	4076368	5458451.002	208.52	0	ANNUAL	P45	Boundary Perimeter 45
649482.5	4076384	4323630.937	207.5	0	ANNUAL	P46	Boundary Perimeter 46
649391.6	4076425	3733690.394	205.17	0	ANNUAL	P47	Boundary Perimeter 47
649303.5	4076472	2993960.13	202.16	0	ANNUAL	P48	Boundary Perimeter 48
649226.2	4076535	2425134.375	196.38	0	ANNUAL	P49	Boundary Perimeter 49
648984.1	4077530	4421911.059	221.41	0	ANNUAL	P5	Boundary Perimeter 5
649156.2	4076605	2106640.692	195.87	0	ANNUAL	P50	Boundary Perimeter 50
649068.3	4076653	1673938.112	196.32	0	ANNUAL	P51	Boundary Perimeter 51

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648986.7	4076711	1425408.591	192.42	0	ANNUAL	P52	Boundary Perimeter 52
648936.5	4076759	1341144.546	192.46	0	ANNUAL	P53	Boundary Perimeter 53
648868.6	4076833	1258665.148	191.63	0	ANNUAL	P54	Boundary Perimeter 54
648797.2	4076902	1163387.375	186.32	0	ANNUAL	P55	Boundary Perimeter 55
648710.6	4076952	1007956.081	179.81	0	ANNUAL	P56	Boundary Perimeter 56
648620.8	4076996	871266.1044	176.23	0	ANNUAL	P57	Boundary Perimeter 57
648607.2	4077051	903017.8204	175.02	0	ANNUAL	P58	Boundary Perimeter 58
648680.1	4077119	1160008.111	180.62	0	ANNUAL	P59	Boundary Perimeter 59
649084.1	4077532	4770854.875	216.54	0	ANNUAL	P6	Boundary Perimeter 6
648759.2	4077180	1558212.542	183.47	0	ANNUAL	P60	Boundary Perimeter 60
648791.4	4077262	2061886.888	202.88	0	ANNUAL	P61	Boundary Perimeter 61
648788.5	4077362	2107079.006	178.21	0	ANNUAL	P62	Boundary Perimeter 62
648691.3	4077361	1655026.322	176.25	0	ANNUAL	P63	Boundary Perimeter 63
648591.4	4077357	1304027.86	176	0	ANNUAL	P64	Boundary Perimeter 64
648525.7	4077371	1149438.314	175.24	0	ANNUAL	P65	Boundary Perimeter 65
648586.9	4077430	1412288.292	175.13	0	ANNUAL	P66	Boundary Perimeter 66
649184.1	4077534	4791751.262	230.71	0	ANNUAL	P7	Boundary Perimeter 7
649284.1	4077535	2456695.425	248.08	0	ANNUAL	P8	Boundary Perimeter 8
649384.1	4077536	1725678.64	258.43	0	ANNUAL	P9	Boundary Perimeter 9
645930	4077983	132779.4821	127.38	0	ANNUAL	RP_G1	New Development
645930	4078083	143830.6724	127.58	0	ANNUAL	RP_G10	New Development
646030	4078083	153092.6869	130.56	0	ANNUAL	RP_G11	New Development
646130	4078083	163370.1049	134.35	0	ANNUAL	RP_G12	New Development
646230	4078083	174928.1775	139.22	0	ANNUAL	RP_G13	New Development
646330	4078083	187972.6286	144.65	0	ANNUAL	RP_G14	New Development
646430	4078083	200951.4617	142.28	0	ANNUAL	RP_G15	New Development
646530	4078083	216555.7636	146.76	0	ANNUAL	RP_G16	New Development
646630	4078083	233730.5494	150.64	0	ANNUAL	RP_G17	New Development
646730	4078083	253226.9954	155.4	0	ANNUAL	RP_G18	New Development
645930	4078183	153387.4179	127.22	0	ANNUAL	RP_G19	New Development
646030	4077983	141753.0427	131.21	0	ANNUAL	RP_G2	New Development
646030	4078183	163260.007	130.56	0	ANNUAL	RP_G20	New Development

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
646130	4078183	174200.4774	133.89	0	ANNUAL	RP_G21	New Development
646230	4078183	186759.6779	140.45	0	ANNUAL	RP_G22	New Development
646330	4078183	200842.8458	146.94	0	ANNUAL	RP_G23	New Development
646430	4078183	213379.62	140.23	0	ANNUAL	RP_G24	New Development
646530	4078183	230029.4141	147.25	0	ANNUAL	RP_G25	New Development
646630	4078183	248054.5612	151.56	0	ANNUAL	RP_G26	New Development
646730	4078183	269254.9195	157.78	0	ANNUAL	RP_G27	New Development
645930	4078283	161904.5398	126.06	0	ANNUAL	RP_G28	New Development
646030	4078283	172424.0009	129.56	0	ANNUAL	RP_G29	New Development
646130	4077983	151595.2917	135.89	0	ANNUAL	RP_G3	New Development
646130	4078283	183891.5843	132.89	0	ANNUAL	RP_G30	New Development
646230	4078283	196818.7001	139.24	0	ANNUAL	RP_G31	New Development
646330	4078283	210513.417	142.68	0	ANNUAL	RP_G32	New Development
646430	4078283	224240.1527	140.02	0	ANNUAL	RP_G33	New Development
646530	4078283	241581.8607	147.22	0	ANNUAL	RP_G34	New Development
646630	4078283	260379.455	151.56	0	ANNUAL	RP_G35	New Development
646730	4078283	281845.234	156.78	0	ANNUAL	RP_G36	New Development
646230	4077983	162269.621	139.18	0	ANNUAL	RP_G4	New Development
646330	4077983	173832.499	140.76	0	ANNUAL	RP_G5	New Development
646430	4077983	186882.2967	143.89	0	ANNUAL	RP_G6	New Development
646530	4077983	201068.2685	145.22	0	ANNUAL	RP_G7	New Development
646630	4077983	216899.6707	147.21	0	ANNUAL	RP_G8	New Development
646730	4077983	234191.3964	148.3	0	ANNUAL	RP_G9	New Development
648659.3	4077241	1482133.209	205.79	0	ANNUAL	RP_H1	House 1
648071.2	4076116	260589.8342	169.6	0	ANNUAL	RP_H10	House 10
648247.4	4076278	340879.978	184.55	0	ANNUAL	RP_H11	House 11
648027.2	4076255	277372.7144	169.38	0	ANNUAL	RP_H12	House 12
648065.8	4076359	302914.1745	173.83	0	ANNUAL	RP_H13	House 13
648138.7	4076400	328544.9172	178.22	0	ANNUAL	RP_H14	House 14
648254.7	4076411	379556.1642	191.28	0	ANNUAL	RP_H15	House 15
647877.8	4076365	265040.8925	165.39	0	ANNUAL	RP_H16	House 16
647520	4076206	201695.2039	159	0	ANNUAL	RP_H17	House 17

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
647921	4076247	256455.8962	164	0	ANNUAL	RP_H18	House 18
647708.8	4076352	237221.5232	163.52	0	ANNUAL	RP_H19	House 19
648371.7	4075470	244735.0973	173.69	0	ANNUAL	RP_H2	House 2
647703.6	4076251	226585.3746	162.17	0	ANNUAL	RP_H20	House 20
647718.8	4076104	206998.9958	159.35	0	ANNUAL	RP_H21	House 21
647843.3	4076125	225013.7591	163	0	ANNUAL	RP_H22	House 22
647842.3	4076500	267852.5001	167.93	0	ANNUAL	RP_H23	House 23
647727.8	4076644	236871.4053	164.15	0	ANNUAL	RP_H24	House 24
647823.9	4076644	258181.0368	168.29	0	ANNUAL	RP_H25	House 25
647530	4076497	206859.3847	159.56	0	ANNUAL	RP_H26	House 26
647810.1	4076854	252698.1952	162.9	0	ANNUAL	RP_H27	House 27
647697.5	4076989	230302.6951	161.42	0	ANNUAL	RP_H28	House 28
648225.5	4076182	313694.878	183.22	0	ANNUAL	RP_H29	House 29
647678.2	4075969	185101.7405	159.5	0	ANNUAL	RP_H3	House 3
645876.3	4077487	88150.7492	127.13	0	ANNUAL	RP_H30	House 30
650902	4076062	2484311.428	215.24	0	ANNUAL	RP_H31	House 31
651490	4076597	1487515.332	205.5	0	ANNUAL	RP_H32	House 32
651565	4077067	1016230.449	213.93	0	ANNUAL	RP_H33	House 33
648672.8	4075307	343694.627	225.91	0	ANNUAL	RP_H34	House 34
648383.6	4075469	246620.8272	174.44	0	ANNUAL	RP_H35	House 35
646379.4	4077233	98286.3442	146	0	ANNUAL	RP_H36	House 36
651849.7	4075865	1014935.514	201.97	0	ANNUAL	RP_H37	House 37
652045.5	4076210	845695.4111	196.88	0	ANNUAL	RP_H38	House 38
652255.7	4076391	683996.857	197.06	0	ANNUAL	RP_H39	House 39
647815.3	4075985	202420.6966	162.04	0	ANNUAL	RP_H4	House 4
646853.7	4077373	147330.4545	145.99	0	ANNUAL	RP_H40	House 40
647050.2	4077360	168431.1678	145	0	ANNUAL	RP_H41	House 41
647286.4	4077474	230414.0614	149.68	0	ANNUAL	RP_H42	House 42
647359.1	4077340	215621.6292	154.45	0	ANNUAL	RP_H43	House 43
647490.4	4077329	242850.5497	162.28	0	ANNUAL	RP_H44	House 44
647522.2	4077252	233620.5131	164.3	0	ANNUAL	RP_H45	House 45
647517.8	4077139	215750.6322	164.01	0	ANNUAL	RP_H46	House 46

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* AERMET (19191): Closure Area TAC Gnd 2019

11:05:30

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL FOR A TOTAL OF 299 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
646819	4077258	133470.5388	151.53	0	ANNUAL	RP_H47	House 47
646778.7	4077128	121492.1948	158.51	0	ANNUAL	RP_H48	House 48
646987.3	4077213	145595.1176	146.44	0	ANNUAL	RP_H49	House 49
647898.2	4076033	219059.4494	163.83	0	ANNUAL	RP_H5	House 5
647241.8	4077227	178783.4147	154.85	0	ANNUAL	RP_H50	House 50
646773.1	4077063	118177.2823	159	0	ANNUAL	RP_H51	House 51
647104.4	4077118	150865.9693	148.99	0	ANNUAL	RP_H52	House 52
647291.9	4077123	176082.9344	158.62	0	ANNUAL	RP_H53	House 53
646765.2	4076978	114876.411	158.67	0	ANNUAL	RP_H54	House 54
646995.7	4076984	130877.6688	152.34	0	ANNUAL	RP_H55	House 55
647317.2	4077031	169556.1742	160.22	0	ANNUAL	RP_H56	House 56
647398.4	4077013	178964.7724	161.26	0	ANNUAL	RP_H57	House 57
646978.9	4076904	128547.5096	156.81	0	ANNUAL	RP_H58	House 58
647015.2	4076807	135395.2633	156.21	0	ANNUAL	RP_H59	House 59
648045.4	4076018	241795.3402	168.26	0	ANNUAL	RP_H6	House 6
647164	4076802	150294.1751	154.38	0	ANNUAL	RP_H60	House 60
647310.6	4076940	161267.2599	162.49	0	ANNUAL	RP_H61	House 61
647298.1	4076805	166121.7519	158	0	ANNUAL	RP_H62	House 62
647446.6	4076900	178195.1392	159.45	0	ANNUAL	RP_H63	House 63
647464.5	4076781	192741.4037	159.32	0	ANNUAL	RP_H64	House 64
647512	4076536	200815.0798	159	0	ANNUAL	RP_H65	House 65
651131	4078767	180379.8381	179.58	0	ANNUAL	RP_H66	House 66
647131	4077336	176363.7857	146.77	0	ANNUAL	RP_H67	House 67
646798	4076740	121656.6509	156.07	0	ANNUAL	RP_H68	House 68
646900	4076802	126500.6866	159	0	ANNUAL	RP_H69	House 69
648126.3	4075955	250346.6712	171.51	0	ANNUAL	RP_H7	House 7
647317	4076662	178432.9208	159.9	0	ANNUAL	RP_H70	House 70
648249.3	4075970	283417.9564	183.42	0	ANNUAL	RP_H8	House 8
648218.6	4076109	298123.7515	182.28	0	ANNUAL	RP_H9	House 9

10/01/21

* AERMET (21112): Clousre Area Grnd 2020

11:01:12

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 299 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

AQ Monitoring Station Hazel Hawkins Memorial Hospital Dunne Park	
Dunne Park	
7 71 D. 1 77111 D. 1	
Vista Park Hill Park	
Las Brisas Park	
Frank Klauer Memorial Park	
Veterans Memorial Park	
Park 6	
Park 7	
Cerra Vista Elem School	
San Andreas Continuation	
SouthSide School	
School 12	
Rancho Santana School School	11
Future School School	12
Tres Pinos Union Elementary School	
Sunnyslope Elem School	
Hollister Montessori School	
Rancho San Justo Middle School	
Marguerite Maze Middle School	
Hollister Prep Schoo	
Ladd Lane Elementary School	
Gabilan Hills Elementary School	
San Benito High School	
Jovenes De Antano	
Workplace	
Nearest Workplace MEIW	7
Grid Receptor 1	
Grid Receptor 10	
Grid Receptor 100	
Grid Receptor 11	
Grid Receptor 12	
	Vista Park Hill Park Las Brisas Park Frank Klauer Memorial Park Veterans Memorial Park Park 6 Park 7 Cerra Vista Elem School San Andreas Continuation SouthSide School School 12 Rancho Santana School Future School Tres Pinos Union Elementary School Bunnyslope Elem School Hollister Montessori School Rancho San Justo Middle School Marguerite Maze Middle School Hollister Prep Schoo Ladd Lane Elementary School Gabilan Hills Elementary School San Benito High School Jovenes De Antano Workplace Nearest Workplace Grid Receptor 1 Grid Receptor 10 Grid Receptor 100 Grid Receptor 11

10/01/21

* AERMET (21112): Clousre Area Grnd 2020

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

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X	Y	Average Conc	ZELEV	ZFLAG	AVE	ID	Description
648144	4078373	1,207,906.53	146.2	0	ANNUAL	G13	Grid Receptor 13
648144	4077973	1,210,278.52	158.3	0	ANNUAL	G14	Grid Receptor 14
648144	4077573	989,999.46	166.6	0	ANNUAL	G15	Grid Receptor 15
648144	4077173	731,275.20	175.4	0	ANNUAL	G16	Grid Receptor 16
648144	4076773	542,311.84	177.1	0	ANNUAL	G17	Grid Receptor 17
648144	4076373	438,012.70	178	0	ANNUAL	G18	Grid Receptor 18
648144	4075973	359,467.90	173	0	ANNUAL	G19	Grid Receptor 19
647744	4078773	859,330.76	145.4	0	ANNUAL	G2	Grid Receptor 2
648144	4075573	291,833.35	168.8	0	ANNUAL	G20	Grid Receptor 20
648544	4079173	863,835.79	173.5	0	ANNUAL	G21	Grid Receptor 21
648544	4078773	1,193,249.72	166.2	0	ANNUAL	G22	Grid Receptor 22
648544	4078373	1,535,079.29	145.4	0	ANNUAL	G23	Grid Receptor 23
648544	4077973	1,890,498.26	173.9	0	ANNUAL	G24	Grid Receptor 24
648544	4077573	1,884,903.13	179.6	0	ANNUAL	G25	Grid Receptor 25
648544	4077173	1,368,522.18	191	0	ANNUAL	G26	Grid Receptor 26
648544	4076773	1,052,677.13	209.2	0	ANNUAL	G27	Grid Receptor 27
648544	4076373	785,015.33	233.7	0	ANNUAL	G28	Grid Receptor 28
648544	4075973	540,402.48	199.9	0	ANNUAL	G29	Grid Receptor 29
647744	4078373	867,979.84	144.4	0	ANNUAL	G3	Grid Receptor 3
648544	4075573	421,319.38	195.5	0	ANNUAL	G30	Grid Receptor 30
648944	4079173	830,432.92	190.4	0	ANNUAL	G31	Grid Receptor 31
648944	4078773	1,132,433.23	165.4	0	ANNUAL	G32	Grid Receptor 32
648944	4078373	1,718,531.94	159.6	0	ANNUAL	G33	Grid Receptor 33
648944	4077973	2,496,067.74	183.5	0	ANNUAL	G34	Grid Receptor 34
648944	4076773	2,028,439.87	193	0	ANNUAL	G37	Grid Receptor 37
648944	4076373	1,239,878.61	205	0	ANNUAL	G38	Grid Receptor 38
648944	4075973	886,292.46	208.8	0	ANNUAL	G39	Grid Receptor 39
647744	4077973	749,476.94	134.6	0	ANNUAL	G4	Grid Receptor 4
648944	4075573	542,110.37	185.6	0	ANNUAL	G40	Grid Receptor 40
649344	4079173	626,347.81	187.4	0	ANNUAL	G41	Grid Receptor 41
649344	4078773	927,392.86	160.9	0	ANNUAL	G42	Grid Receptor 42
649344	4078373	1,763,524.83	200.5	0	ANNUAL	G43	Grid Receptor 43

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X	Y	Average Conc	ZELEV	ZFLAG	AVE	ID	Description
649344	4077973	3,566,624.81	229	0	ANNUAL	G44	Grid Receptor 44
649344	4075973	1,709,728.32	227.2	0	ANNUAL	G49	Grid Receptor 49
647744	4077573	613,669.78	163.8	0	ANNUAL	G5	Grid Receptor 5
649344	4075573	941,486.91	205.5	0	ANNUAL	G50	Grid Receptor 50
649744	4079173	447,170.30	176.1	0	ANNUAL	G51	Grid Receptor 51
649744	4078773	718,337.39	195	0	ANNUAL	G52	Grid Receptor 52
649744	4078373	1,216,248.85	196.1	0	ANNUAL	G53	Grid Receptor 53
649744	4077973	3,141,135.93	215.3	0	ANNUAL	G54	Grid Receptor 54
649744	4075973	2,468,261.92	237.7	0	ANNUAL	G59	Grid Receptor 59
647744	4077173	474,915.41	158.4	0	ANNUAL	G6	Grid Receptor 6
649744	4075573	1,462,955.68	204.2	0	ANNUAL	G60	Grid Receptor 60
650144	4079173	308,924.97	173	0	ANNUAL	G61	Grid Receptor 61
650144	4078773	430,362.84	171	0	ANNUAL	G62	Grid Receptor 62
650144	4078373	776,475.10	204.6	0	ANNUAL	G63	Grid Receptor 63
650144	4077973	1,747,916.83	216.5	0	ANNUAL	G64	Grid Receptor 64
650144	4076773	17,192,230.60	223.3	0	ANNUAL	G67	Grid Receptor 67
650144	4076373	6,450,903.59	231.4	0	ANNUAL	G68	Grid Receptor 68
650144	4075973	2,100,522.43	249.4	0	ANNUAL	G69	Grid Receptor 69
647744	4076773	360,271.89	164.7	0	ANNUAL	G7	Grid Receptor 7
650144	4075573	2,110,845.45	216.4	0	ANNUAL	G70	Grid Receptor 70
650544	4079173	223,397.49	177	0	ANNUAL	G71	Grid Receptor 71
650544	4078773	298,390.01	180.9	0	ANNUAL	G72	Grid Receptor 72
650544	4078373	458,549.40	196.6	0	ANNUAL	G73	Grid Receptor 73
650544	4077973	690,895.16	236.9	0	ANNUAL	G74	Grid Receptor 74
650544	4076773	12,834,231.20	234.2	0	ANNUAL	G77	Grid Receptor 77
650544	4076373	2,153,998.96	260.9	0	ANNUAL	G78	Grid Receptor 78
650544	4075973	3,444,477.52	226.7	0	ANNUAL	G79	Grid Receptor 79
647744	4076373	314,386.11	164	0	ANNUAL	G8	Grid Receptor 8
650544	4075573	911,413.58	268.2	0	ANNUAL	G80	Grid Receptor 80
650944	4079173	177,530.92	181.3	0	ANNUAL	G81	Grid Receptor 81
650944	4078773	227,171.90	178.4	0	ANNUAL	G82	Grid Receptor 82
650944	4078373	376,296.11	214.8	0	ANNUAL	G83	Grid Receptor 83

PMI

10/01/21

* AERMET (21112): Clousre Area Grnd 2020

11:01:12

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PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 299 RECEPTORS.

X	Y	Average Conc	ZELEV	ZFLAG	AVE	ID	Description
650944	4077973	219,666.07	249.9	0	ANNUAL	G84	Grid Receptor 84
650944	4077573	175,033.93	276.5	0	ANNUAL	G85	Grid Receptor 85
650944	4077173	2,701,719.53	225.6	0	ANNUAL	G86	Grid Receptor 86
650944	4076773	4,985,347.67	219.8	0	ANNUAL	G87	Grid Receptor 87
650944	4076373	3,747,800.46	209.2	0	ANNUAL	G88	Grid Receptor 88
650944	4075973	2,826,672.66	216.6	0	ANNUAL	G89	Grid Receptor 89
647744	4075973	278,811.35	160.7	0	ANNUAL	G9	Grid Receptor 9
650944	4075573	1,721,102.08	243.2	0	ANNUAL	G90	Grid Receptor 90
651344	4079173	165,696.99	191	0	ANNUAL	G91	Grid Receptor 91
651344	4078773	189,985.68	181	0	ANNUAL	G92	Grid Receptor 92
651344	4078373	256,276.75	214.3	0	ANNUAL	G93	Grid Receptor 93
651344	4077973	202,964.05	248.4	0	ANNUAL	G94	Grid Receptor 94
651344	4077573	645,381.77	213.2	0	ANNUAL	G95	Grid Receptor 95
651344	4077173	1,359,154.22	213.6	0	ANNUAL	G96	Grid Receptor 96
651344	4076773	1,849,057.84	203.5	0	ANNUAL	G97	Grid Receptor 97
651344	4076373	2,099,665.66	205.6	0	ANNUAL	G98	Grid Receptor 98
651344	4075973	1,946,337.19	205.8	0	ANNUAL	G99	Grid Receptor 99
648584.24	4077523	1,987,525.21	183.61	0	ANNUAL	P1	Boundary Perimeter 1
649484.05	4077537	1,989,423.27	254.01	0	ANNUAL	P10	Boundary Perimeter 10
649584.03	4077539	5,527,270.98	235.3	0	ANNUAL	P11	Boundary Perimeter 11
649684.02	4077540	8,744,221.32	221.29	0	ANNUAL	P12	Boundary Perimeter 12
649784	4077541	9,698,859.56	222.37	0	ANNUAL	P13	Boundary Perimeter 13
649883.99	4077542	6,911,949.18	233.6	0	ANNUAL	P14	Boundary Perimeter 14
649983.97	4077543	2,783,253.95	249.54	0	ANNUAL	P15	Boundary Perimeter 15
650083.94	4077546	1,820,155.97	258.89	0	ANNUAL	P16	Boundary Perimeter 16
650183.91	4077548	1,486,971.10	259.56	0	ANNUAL	P17	Boundary Perimeter 17
650283.87	4077550	1,008,146.07	256.77	0	ANNUAL	P18	Boundary Perimeter 18
650383.84	4077552	1,455,878.22	242.37	0	ANNUAL	P19	Boundary Perimeter 19
648684.22	4077525	2,498,380.83	197.16	0	ANNUAL	P2	Boundary Perimeter 2
650483.81	4077554	1,105,736.71	242.23	0	ANNUAL	P20	Boundary Perimeter 20
650583.78	4077557	364,545.30	259.71	0	ANNUAL	P21	Boundary Perimeter 21
650683.75	4077559	360,244.09	257.58	0	ANNUAL	P22	Boundary Perimeter 22

10/01/21

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11:01:12

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PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

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X	Y	Average Conc	ZELEV	ZFLAG	AVE	ID	Description
650776.81	4077554	242,612.12	267.9	0	ANNUAL	P23	Boundary Perimeter 23
650778.91	4077454	286,895.27	275.91	0	ANNUAL	P24	Boundary Perimeter 24
650781	4077354	531,519.18	265.73	0	ANNUAL	P25	Boundary Perimeter 25
650783.1	4077254	1,228,588.91	251.08	0	ANNUAL	P26	Boundary Perimeter 26
650785.19	4077154	1,743,168.62	252.83	0	ANNUAL	P27	Boundary Perimeter 27
650787.29	4077054	3,096,128.02	246.1	0	ANNUAL	P28	Boundary Perimeter 28
650789.38	4076954	4,464,631.85	241.37	0	ANNUAL	P29	Boundary Perimeter 29
648784.19	4077527	3,411,275.25	209.74	0	ANNUAL	Р3	Boundary Perimeter 3
650791.48	4076854	4,161,244.47	246.79	0	ANNUAL	P30	Boundary Perimeter 30
650793.57	4076754	7,694,512.76	228.75	0	ANNUAL	P31	Boundary Perimeter 31
650754.39	4076683	8,060,798.21	217.76	0	ANNUAL	P32	Boundary Perimeter 32
650660.22	4076650	9,190,421.79	221.2	0	ANNUAL	P33	Boundary Perimeter 33
650561.43	4076650	10,199,555.62	220.83	0	ANNUAL	P34	Boundary Perimeter 34
650462.72	4076666	11,275,274.61	223.42	0	ANNUAL	P35	Boundary Perimeter 35
650364.01	4076682	12,026,272.82	222.46	0	ANNUAL	P36	Boundary Perimeter 36
650264.24	4076683	11,902,236.07	223.19	0	ANNUAL	P37	Boundary Perimeter 37
650164.71	4076674	12,095,427.00	222.1	0	ANNUAL	P38	Boundary Perimeter 38
650065.8	4076660	12,454,643.43	217.03	0	ANNUAL	P39	Boundary Perimeter 39
648884.17	4077529	4,320,173.53	214.25	0	ANNUAL	P4	Boundary Perimeter 4
649980.44	4076627	12,924,632.15	214.82	0	ANNUAL	P40	Boundary Perimeter 40
649920.26	4076547	12,877,651.74	214.91	0	ANNUAL	P41	Boundary Perimeter 41
649852.19	4076474	11,921,386.45	214.09	0	ANNUAL	P42	Boundary Perimeter 42
649770.68	4076417	10,165,198.26	211.53	0	ANNUAL	P43	Boundary Perimeter 43
649680.48	4076375	8,504,673.59	210.17	0	ANNUAL	P44	Boundary Perimeter 44
649580.91	4076368	6,847,829.02	208.52	0	ANNUAL	P45	Boundary Perimeter 45
649482.48	4076384	5,462,054.46	207.5	0	ANNUAL	P46	Boundary Perimeter 46
649391.59	4076425	4,726,608.52	205.17	0	ANNUAL	P47	Boundary Perimeter 47
649303.5	4076472	3,831,007.29	202.16	0	ANNUAL	P48	Boundary Perimeter 48
649226.19	4076535	3,244,954.55	196.38	0	ANNUAL	P49	Boundary Perimeter 49
648984.14	4077530	5,327,919.24	221.41	0	ANNUAL	P5	Boundary Perimeter 5
649156.2	4076605	2,940,993.41	195.87	0	ANNUAL	P50	Boundary Perimeter 50
649068.25	4076653	2,371,667.49	196.32	0	ANNUAL	P51	Boundary Perimeter 51

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X	Y	Average Conc	ZELEV	ZFLAG	AVE	ID	Description
648986.7	4076711	2,056,419.95	192.42	0	ANNUAL	P52	Boundary Perimeter 52
648936.53	4076759	1,937,429.40	192.46	0	ANNUAL	P53	Boundary Perimeter 53
648868.58	4076833	1,817,245.61	191.63	0	ANNUAL	P54	Boundary Perimeter 54
648797.23	4076902	1,682,975.07	186.32	0	ANNUAL	P55	Boundary Perimeter 55
648710.56	4076952	1,471,608.55	179.81	0	ANNUAL	P56	Boundary Perimeter 56
648620.79	4076996	1,280,745.56	176.23	0	ANNUAL	P57	Boundary Perimeter 57
648607.19	4077051	1,313,753.29	175.02	0	ANNUAL	P58	Boundary Perimeter 58
648680.07	4077119	1,667,535.57	180.62	0	ANNUAL	P59	Boundary Perimeter 59
649084.12	4077532	5,671,639.61	216.54	0	ANNUAL	P6	Boundary Perimeter 6
648759.24	4077180	2,205,057.48	183.47	0	ANNUAL	P60	Boundary Perimeter 60
648791.44	4077262	2,774,868.83	202.88	0	ANNUAL	P61	Boundary Perimeter 61
648788.45	4077362	2,761,394.04	178.21	0	ANNUAL	P62	Boundary Perimeter 62
648691.25	4077361	2,223,196.25	176.25	0	ANNUAL	P63	Boundary Perimeter 63
648591.35	4077357	1,800,416.89	176	0	ANNUAL	P64	Boundary Perimeter 64
648525.69	4077371	1,597,125.10	175.24	0	ANNUAL	P65	Boundary Perimeter 65
648586.93	4077430	1,886,392.57	175.13	0	ANNUAL	P66	Boundary Perimeter 66
649184.09	4077534	5,681,239.69	230.71	0	ANNUAL	P7	Boundary Perimeter 7
649284.08	4077535	2,525,425.98	248.08	0	ANNUAL	P8	Boundary Perimeter 8
649384.06	4077536	1,613,987.64	258.43	0	ANNUAL	P9	Boundary Perimeter 9
645930	4077983	196,807.77	127.38	0	ANNUAL	RP_G1	New Development
645930	4078083	205,239.23	127.58	0	ANNUAL	RP_G10	New Development
646030	4078083	216,526.81	130.56	0	ANNUAL	RP_G11	New Development
646130	4078083	228,787.33	134.35	0	ANNUAL	RP_G12	New Development
646230	4078083	242,345.77	139.22	0	ANNUAL	RP_G13	New Development
646330	4078083	257,527.72	144.65	0	ANNUAL	RP_G14	New Development
646430	4078083	273,055.12	142.28	0	ANNUAL	RP_G15	New Development
646530	4078083	291,337.52	146.76	0	ANNUAL	RP_G16	New Development
646630	4078083	311,316.79	150.64	0	ANNUAL	RP_G17	New Development
646730	4078083	333,496.04	155.4	0	ANNUAL	RP_G18	New Development
645930	4078183	212,387.46	127.22	0	ANNUAL	RP_G19	New Development
646030	4077983	207,928.22	131.21	0	ANNUAL	RP_G2	New Development
646030	4078183	223,833.38	130.56	0	ANNUAL	RP G20	New Development

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X	Y	Average Conc	ZELEV	ZFLAG	AVE	ID	Description
646130	4078183	236,460.76	133.89	0	ANNUAL	RP_G21	New Development
646230	4078183	250,883.63	140.45	0	ANNUAL	RP_G22	New Development
646330	4078183	267,100.86	146.94	0	ANNUAL	RP_G23	New Development
646430	4078183	282,318.94	140.23	0	ANNUAL	RP_G24	New Development
646530	4078183	301,309.22	147.25	0	ANNUAL	RP_G25	New Development
646630	4078183	321,638.73	151.56	0	ANNUAL	RP_G26	New Development
646730	4078183	345,077.90	157.78	0	ANNUAL	RP_G27	New Development
645930	4078283	218,299.90	126.06	0	ANNUAL	RP_G28	New Development
646030	4078283	230,371.23	129.56	0	ANNUAL	RP_G29	New Development
646130	4077983	220,071.55	135.89	0	ANNUAL	RP_G3	New Development
646130	4078283	243,708.94	132.89	0	ANNUAL	RP_G30	New Development
646230	4078283	258,685.40	139.24	0	ANNUAL	RP_G31	New Development
646330	4078283	274,569.19	142.68	0	ANNUAL	RP_G32	New Development
646430	4078283	290,610.91	140.02	0	ANNUAL	RP_G33	New Development
646530	4078283	309,834.77	147.22	0	ANNUAL	RP_G34	New Development
646630	4078283	330,761.27	151.56	0	ANNUAL	RP_G35	New Development
646730	4078283	354,873.35	156.78	0	ANNUAL	RP_G36	New Development
646230	4077983	233,140.73	139.18	0	ANNUAL	RP_G4	New Development
646330	4077983	247,189.74	140.76	0	ANNUAL	RP_G5	New Development
646430	4077983	262,855.13	143.89	0	ANNUAL	RP_G6	New Development
646530	4077983	279,949.18	145.22	0	ANNUAL	RP_G7	New Development
646630	4077983	299,021.98	147.21	0	ANNUAL	RP_G8	New Development
646730	4077983	319,849.96	148.3	0	ANNUAL	RP_G9	New Development
648659.32	4077241	2,082,634.70	205.79	0	ANNUAL	RP_H1	House 1
648071.24	4076116	374,743.75	169.6	0	ANNUAL	RP_H10	House 10
648247.37	4076278	471,648.59	184.55	0	ANNUAL	RP_H11	House 11
648027.19	4076255	378,701.82	169.38	0	ANNUAL	RP_H12	House 12
648065.77	4076359	405,422.39	173.83	0	ANNUAL	RP_H13	House 13
648138.68	4076400	440,909.50	178.22	0	ANNUAL	RP_H14	House 14
648254.71	4076411	510,756.78	191.28	0	ANNUAL	RP_H15	House 15
647877.81	4076365	347,362.75	165.39	0	ANNUAL	RP_H16	House 16
647520	4076206	259,910.99	159	0	ANNUAL	RP_H17	House 17

10/01/21

* AERMET (21112): Clousre Area Grnd 2020

11:01:12

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 299 RECEPTORS.

	())-(, /,- (,:-/,-	, -, , -	, , , ,	-,			
X	Y	Average Conc	ZELEV	ZFLAG	AVE	ID	Description	
647921	4076247	346,703.25	164	0	ANNUAL	RP_H18	House 18	
647708.78	4076352	304,539.94	163.52	0	ANNUAL	RP_H19	House 19	
648371.71	4075470	322,875.53	173.69	0	ANNUAL	RP_H2	House 2	
647703.58	4076251	296,300.49	162.17	0	ANNUAL	RP_H20	House 20	
647718.77	4076104	291,652.71	159.35	0	ANNUAL	RP_H21	House 21	
647843.32	4076125	318,636.79	163	0	ANNUAL	RP_H22	House 22	
647842.26	4076500	353,034.75	167.93	0	ANNUAL	RP_H23	House 23	
647727.75	4076644	346,198.03	164.15	0	ANNUAL	RP_H24	House 24	
647823.91	4076644	375,487.84	168.29	0	ANNUAL	RP_H25	House 25	
647530	4076497	279,763.60	159.56	0	ANNUAL	RP_H26	House 26	
647810.11	4076854	390,525.44	162.9	0	ANNUAL	RP_H27	House 27	
647697.48	4076989	400,523.49	161.42	0	ANNUAL	RP_H28	House 28	
648225.5	4076182	443,744.33	183.22	0	ANNUAL	RP_H29	House 29	
647678.23	4075969	268,410.56	159.5	0	ANNUAL	RP_H3	House 3	
645876.32	4077487	165,942.13	127.13	0	ANNUAL	RP_H30	House 30	
650902	4076062	3,116,867.85	215.24	0	ANNUAL	RP_H31	House 31	MEIR
651490	4076597	1,652,866.74	205.5	0	ANNUAL	RP_H32	House 32	
651565	4077067	1,189,837.91	213.93	0	ANNUAL	RP_H33	House 33	
648672.77	4075307	475,952.27	225.91	0	ANNUAL	RP_H34	House 34	
648383.6	4075469	325,604.86	174.44	0	ANNUAL	RP_H35	House 35	
646379.37	4077233	187,816.18	146	0	ANNUAL	RP_H36	House 36	
651849.72	4075865	1,171,402.74	201.97	0	ANNUAL	RP_H37	House 37	
652045.49	4076210	941,031.59	196.88	0	ANNUAL	RP_H38	House 38	
652255.69	4076391	749,384.23	197.06	0	ANNUAL	RP_H39	House 39	
647815.25	4075985	292,813.92	162.04	0	ANNUAL	RP_H4	House 4	
646853.73	4077373	269,753.81	145.99	0	ANNUAL	RP_H40	House 40	
647050.21	4077360	304,075.40	145	0	ANNUAL	RP_H41	House 41	
647286.42	4077474	377,509.16	149.68	0	ANNUAL	RP_H42	House 42	
647359.05	4077340	375,871.11	154.45	0	ANNUAL	RP_H43	House 43	
647490.41	4077329	415,942.87	162.28	0	ANNUAL	RP_H44	House 44	
647522.17	4077252	410,055.27	164.3	0	ANNUAL	RP_H45	House 45	
647517.82	4077139	384,609.41	164.01	0	ANNUAL	RP_H46	House 46	

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* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 299 RECEPTORS.

X	Y	Average Conc	ZELEV	ZFLAG	AVE	ID	Description
646819.01	4077258	246,810.25	151.53	0	ANNUAL	RP_H47	House 47
646778.72	4077128	226,581.99	158.51	0	ANNUAL	RP_H48	House 48
646987.26	4077213	267,508.02	146.44	0	ANNUAL	RP_H49	House 49
647898.2	4076033	317,224.80	163.83	0	ANNUAL	RP_H5	House 5
647241.77	4077227	323,987.04	154.85	0	ANNUAL	RP_H50	House 50
646773.05	4077063	222,123.73	159	0	ANNUAL	RP_H51	House 51
647104.37	4077118	276,300.31	148.99	0	ANNUAL	RP_H52	House 52
647291.9	4077123	318,296.75	158.62	0	ANNUAL	RP_H53	House 53
646765.24	4076978	216,104.56	158.67	0	ANNUAL	RP_H54	House 54
646995.65	4076984	245,286.31	152.34	0	ANNUAL	RP_H55	House 55
647317.21	4077031	309,258.08	160.22	0	ANNUAL	RP_H56	House 56
647398.39	4077013	324,274.36	161.26	0	ANNUAL	RP_H57	House 57
646978.93	4076904	233,441.20	156.81	0	ANNUAL	RP_H58	House 58
647015.19	4076807	222,377.33	156.21	0	ANNUAL	RP_H59	House 59
648045.44	4076018	346,171.54	168.26	0	ANNUAL	RP_H6	House 6
647163.96	4076802	239,871.90	154.38	0	ANNUAL	RP_H60	House 60
647310.58	4076940	291,075.89	162.49	0	ANNUAL	RP_H61	House 61
647298.09	4076805	260,291.97	158	0	ANNUAL	RP_H62	House 62
647446.56	4076900	307,133.56	159.45	0	ANNUAL	RP_H63	House 63
647464.49	4076781	286,139.67	159.32	0	ANNUAL	RP_H64	House 64
647512	4076536	280,579.00	159	0	ANNUAL	RP_H65	House 65
651131	4078767	209,125.25	179.58	0	ANNUAL	RP_H66	House 66
647131	4077336	317,581.14	146.77	0	ANNUAL	RP_H67	House 67
646798	4076740	190,413.49	156.07	0	ANNUAL	RP_H68	House 68
646900	4076802	209,385.71	159	0	ANNUAL	RP_H69	House 69
648126.33	4075955	350,521.99	171.51	0	ANNUAL	RP_H7	House 7
647317	4076662	248,097.28	159.9	0	ANNUAL	RP_H70	House 70
648249.26	4075970	394,034.69	183.42	0	ANNUAL	RP_H8	House 8
648218.58	4076109	422,493.59	182.28	0	ANNUAL	RP_H9	House 9

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* AERMET (21112): 2018

12:16:51

- PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 294 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
645996	4078698	0.00083	123.85	0	ANNUAL	AQ_ST_1	AQ Monitoring Station	
643903.7	4077719	0.00061	105.68	0	ANNUAL	CR_HP_1	Hazel Hawkins Memorial Hospital	
642056.8	4079416	0.00064	85.12	0	ANNUAL	CR_PK_1	Dunne Park	
642179.1	4079950	0.00062	117.99	0	ANNUAL	CR_PK_2	Vista Park Hill Park	
644733.1	4078753	0.00078	106.44	0	ANNUAL	CR_PK_3	Las Brisas Park	
645608.8	4078854	0.00078	112.86	0	ANNUAL	CR_PK_4	Frank Klauer Memorial Park	
644238.1	4078807	0.00076	95.25	0	ANNUAL	CR_PK_5	Veterans Memorial Park	
645311.5	4076559	0.00039	134.61	0	ANNUAL	CR_PK_6	Park 6	
649581.7	4073424	0.00047	159.96	0	ANNUAL	CR_PK_7	Park 7	
645145.1	4077181	0.00056	133	0	ANNUAL	CR_SC_1	Cerra Vista Elem School	
642904.7	4079955	0.0006	86	0	ANNUAL	CR_SC_10	San Andreas Continuation	
645850.7	4074015	0.0001	123	0	ANNUAL	CR_SC_11	SouthSide School	
642105.7	4078176	0.00055	91	0	ANNUAL	CR_SC_12	School 12	
646058.9	4078443	0.00086	128.52	0	ANNUAL	CR_SC_13	Rancho Santana School	School 1
647269	4075575	0.00016	158	0	ANNUAL	CR_SC_14	Future School	School 2
644109.6	4078389	0.00077	98.2	0	ANNUAL	CR_SC_2	Sunnyslope Elem School	
643920.1	4077304	0.00048	101.23	0	ANNUAL	CR_SC_3	Hollister Montessori School	
642961.1	4078621	0.00068	92	0	ANNUAL	CR_SC_4	Rancho San Justo Middle School	
643980	4079743	0.00063	88	0	ANNUAL	CR_SC_5	Marguerite Maze Middle School	
641630.2	4079153	0.00061	85	0	ANNUAL	CR_SC_6	Hollister Prep Schoo	
643350	4077181	0.00042	98.22	0	ANNUAL	CR_SC_7	Ladd Lane Elementary School	
644003	4080079	0.00063	87	0	ANNUAL	CR_SC_8	Gabilan Hills Elementary School	
642244.9	4078413	0.0006	90.17	0	ANNUAL	CR_SC_9	San Benito High School	
642083.4	4079794	0.00063	87.58	0	ANNUAL	CR_SR_1	Jovenes De Antano	
646402	4076879	0.00061	146.33	0	ANNUAL	CR_WP_1	Workplace	MEIW
648949	4077938	0.00042	189.45	0	ANNUAL	CR_WP_2	Nearest Workplace	
647744	4079173	0.00063	155.2	0	ANNUAL	G1	Grid Receptor 1	
647744	4075573	0.00016	160	0	ANNUAL	G10	Grid Receptor 10	
651344	4075573	0.00431	252.9	0	ANNUAL	G100	Grid Receptor 100	
648144	4079173	0.00042	165.9	0	ANNUAL	G11	Grid Receptor 11	
648144	4078773	0.00058	159.6	0	ANNUAL	G12	Grid Receptor 12	
648144	4078373	0.00084	146.2	0	ANNUAL	G13	Grid Receptor 13	

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* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 294 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648144	4077973	0.00123	158.3	0	ANNUAL	G14	Grid Receptor 14
648144	4077573	0.00153	166.6	0	ANNUAL	G15	Grid Receptor 15
648144	4077173	0.00199	175.4	0	ANNUAL	G16	Grid Receptor 16
648144	4076773	0.00163	177.1	0	ANNUAL	G17	Grid Receptor 17
648144	4076373	0.00054	178	0	ANNUAL	G18	Grid Receptor 18
648144	4075973	0.00026	173	0	ANNUAL	G19	Grid Receptor 19
647744	4078773	0.00082	145.4	0	ANNUAL	G2	Grid Receptor 2
648144	4075573	0.00019	168.8	0	ANNUAL	G20	Grid Receptor 20
648544	4079173	0.00027	173.5	0	ANNUAL	G21	Grid Receptor 21
648544	4078773	0.00034	166.2	0	ANNUAL	G22	Grid Receptor 22
648544	4078373	0.00048	145.4	0	ANNUAL	G23	Grid Receptor 23
648544	4077973	0.00086	173.9	0	ANNUAL	G24	Grid Receptor 24
648544	4077573	0.00161	179.6	0	ANNUAL	G25	Grid Receptor 25
648544	4077173	0.00242	191	0	ANNUAL	G26	Grid Receptor 26
648544	4076773	0.00357	209.2	0	ANNUAL	G27	Grid Receptor 27
648544	4076373	0.001	233.7	0	ANNUAL	G28	Grid Receptor 28
648544	4075973	0.00033	199.9	0	ANNUAL	G29	Grid Receptor 29
647744	4078373	0.00105	144.4	0	ANNUAL	G3	Grid Receptor 3
648544	4075573	0.00025	195.5	0	ANNUAL	G30	Grid Receptor 30
648944	4079173	0.00021	190.4	0	ANNUAL	G31	Grid Receptor 31
648944	4078773	0.00023	165.4	0	ANNUAL	G32	Grid Receptor 32
648944	4078373	0.00027	159.6	0	ANNUAL	G33	Grid Receptor 33
648944	4077973	0.0004	183.5	0	ANNUAL	G34	Grid Receptor 34
648944	4077573	0.00082	224	0	ANNUAL	G35	Grid Receptor 35
648944	4077173	0.00224	194.7	0	ANNUAL	G36	Grid Receptor 36
648944	4076773	0.00527	193	0	ANNUAL	G37	Grid Receptor 37
648944	4076373	0.00105	205	0	ANNUAL	G38	Grid Receptor 38
648944	4075973	0.00049	208.8	0	ANNUAL	G39	Grid Receptor 39
647744	4077973	0.00118	134.6	0	ANNUAL	G4	Grid Receptor 4
648944	4075573	0.00028	185.6	0	ANNUAL	G40	Grid Receptor 40
649344	4079173	0.00019	187.4	0	ANNUAL	G41	Grid Receptor 41
649344	4078773	0.0002	160.9	0	ANNUAL	G42	Grid Receptor 42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
649344	4078373	0.00025	200.5	0	ANNUAL	G43	Grid Receptor 43
649344	4077973	0.00036	229	0	ANNUAL	G44	Grid Receptor 44
649344	4077573	0.00193	253.3	0	ANNUAL	G45	Grid Receptor 45
649344	4077173	0.00078	213.4	0	ANNUAL	G46	Grid Receptor 46
649344	4076773	0.00203	211.3	0	ANNUAL	G47	Grid Receptor 47
649344	4076373	0.00714	220.2	0	ANNUAL	G48	Grid Receptor 48
649344	4075973	0.0015	227.2	0	ANNUAL	G49	Grid Receptor 49
647744	4077573	0.0014	163.8	0	ANNUAL	G5	Grid Receptor 5
649344	4075573	0.00072	205.5	0	ANNUAL	G50	Grid Receptor 50
649744	4079173	0.00019	176.1	0	ANNUAL	G51	Grid Receptor 51
649744	4078773	0.00022	195	0	ANNUAL	G52	Grid Receptor 52
649744	4078373	0.00025	196.1	0	ANNUAL	G53	Grid Receptor 53
649744	4077973	0.00031	215.3	0	ANNUAL	G54	Grid Receptor 54
649744	4077573	0.0004	221.6	0	ANNUAL	G55	Grid Receptor 55
649744	4077173	0.00111	240.4	0	ANNUAL	G56	Grid Receptor 56
649744	4076773	0.00511	242.7	0	ANNUAL	G57	Grid Receptor 57
649744	4076373	0.01351	211.7	0	ANNUAL	G58	Grid Receptor 58
649744	4075973	0.01022	237.7	0	ANNUAL	G59	Grid Receptor 59
647744	4077173	0.00156	158.4	0	ANNUAL	G6	Grid Receptor 6
649744	4075573	0.00213	204.2	0	ANNUAL	G60	Grid Receptor 60
650144	4079173	0.00019	173	0	ANNUAL	G61	Grid Receptor 61
650144	4078773	0.0002	171	0	ANNUAL	G62	Grid Receptor 62
650144	4078373	0.00024	204.6	0	ANNUAL	G63	Grid Receptor 63
650144	4077973	0.0003	216.5	0	ANNUAL	G64	Grid Receptor 64
650144	4077573	0.00169	257.7	0	ANNUAL	G65	Grid Receptor 65
650144	4077173	0.00191	245.8	0	ANNUAL	G66	Grid Receptor 66
650144	4076773	0.00355	223.3	0	ANNUAL	G67	Grid Receptor 67
650144	4076373	0.00593	231.4	0	ANNUAL	G68	Grid Receptor 68
650144	4075973	0.01049	249.4	0	ANNUAL	G69	Grid Receptor 69
647744	4076773	0.00106	164.7	0	ANNUAL	G7	Grid Receptor 7
650144	4075573	0.00471	216.4	0	ANNUAL	G70	Grid Receptor 70
650544	4079173	0.00019	177	0	ANNUAL	G71	Grid Receptor 71

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* FOR A TOTAL OF 294 RECEPTORS.

		A,5(1A,F15.5),5(1A,F8.2					D 1.0
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
650544	4078773	0.00021	180.9	0	ANNUAL	G72	Grid Receptor 72
650544	4078373	0.00026	196.6	0	ANNUAL	G73	Grid Receptor 73
650544	4077973	0.00052	236.9	0	ANNUAL	G74	Grid Receptor 74
650544	4077573	0.00249	261.3	0	ANNUAL	G75	Grid Receptor 75
650544	4077173	0.00314	259.2	0	ANNUAL	G76	Grid Receptor 76
650544	4076773	0.0033	234.2	0	ANNUAL	G77	Grid Receptor 77
650544	4076373	0.00824	260.9	0	ANNUAL	G78	Grid Receptor 78
650544	4075973	0.00381	226.7	0	ANNUAL	G79	Grid Receptor 79
647744	4076373	0.00048	164	0	ANNUAL	G8	Grid Receptor 8
650544	4075573	0.00974	268.2	0	ANNUAL	G80	Grid Receptor 80
650944	4079173	0.00021	181.3	0	ANNUAL	G81	Grid Receptor 81
650944	4078773	0.00023	178.4	0	ANNUAL	G82	Grid Receptor 82
650944	4078373	0.00034	214.8	0	ANNUAL	G83	Grid Receptor 83
650944	4077973	0.00122	249.9	0	ANNUAL	G84	Grid Receptor 84
650944	4077573	0.00241	276.5	0	ANNUAL	G85	Grid Receptor 85
650944	4077173	0.00122	225.6	0	ANNUAL	G86	Grid Receptor 86
650944	4076773	0.00238	219.8	0	ANNUAL	G87	Grid Receptor 87
650944	4076373	0.00261	209.2	0	ANNUAL	G88	Grid Receptor 88
650944	4075973	0.00257	216.6	0	ANNUAL	G89	Grid Receptor 89
647744	4075973	0.00025	160.7	0	ANNUAL	G9	Grid Receptor 9
650944	4075573	0.0041	243.2	0	ANNUAL	G90	Grid Receptor 90
651344	4079173	0.00023	191	0	ANNUAL	G91	Grid Receptor 91
651344	4078773	0.00027	181	0	ANNUAL	G92	Grid Receptor 92
651344	4078373	0.00043	214.3	0	ANNUAL	G93	Grid Receptor 93
651344	4077973	0.00107	248.4	0	ANNUAL	G94	Grid Receptor 94
651344	4077573	0.00072	213.2	0	ANNUAL	G95	Grid Receptor 95
651344	4077173	0.0013	213.6	0	ANNUAL	G96	Grid Receptor 96
651344	4076773	0.00192	203.5	0	ANNUAL	G97	Grid Receptor 97
651344	4076373	0.00206	205.6	0	ANNUAL	G98	Grid Receptor 98
651344	4075973	0.00205	205.8	0	ANNUAL	G99	Grid Receptor 99
648584.2	4077523	0.0017	183.61	0	ANNUAL	P1	Boundary Perimeter 1
649484.1	4077537	0.00186	254.01	0	ANNUAL	P10	Boundary Perimeter 10
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10/01/21

* AERMET (21112): 2018

12:16:51

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 294 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
649584	4077539	0.00058	235.3	0	ANNUAL	P11	Boundary Perimeter 11
649684	4077540	0.00042	221.29	0	ANNUAL	P12	Boundary Perimeter 12
649784	4077541	0.00041	222.37	0	ANNUAL	P13	Boundary Perimeter 13
649884	4077542	0.00052	233.6	0	ANNUAL	P14	Boundary Perimeter 14
649984	4077543	0.00118	249.54	0	ANNUAL	P15	Boundary Perimeter 15
650083.9	4077546	0.00179	258.89	0	ANNUAL	P16	Boundary Perimeter 16
650183.9	4077548	0.00201	259.56	0	ANNUAL	P17	Boundary Perimeter 17
650283.9	4077550	0.00198	256.77	0	ANNUAL	P18	Boundary Perimeter 18
650383.8	4077552	0.00102	242.37	0	ANNUAL	P19	Boundary Perimeter 19
648684.2	4077525	0.00161	197.16	0	ANNUAL	P2	Boundary Perimeter 2
650483.8	4077554	0.00106	242.23	0	ANNUAL	P20	Boundary Perimeter 20
650583.8	4077557	0.00237	259.71	0	ANNUAL	P21	Boundary Perimeter 21
650683.8	4077559	0.00213	257.58	0	ANNUAL	P22	Boundary Perimeter 22
650776.8	4077554	0.00265	267.9	0	ANNUAL	P23	Boundary Perimeter 23
650778.9	4077454	0.00267	275.91	0	ANNUAL	P24	Boundary Perimeter 24
650781	4077354	0.00288	265.73	0	ANNUAL	P25	Boundary Perimeter 25
650783.1	4077254	0.002	251.08	0	ANNUAL	P26	Boundary Perimeter 26
650785.2	4077154	0.00232	252.83	0	ANNUAL	P27	Boundary Perimeter 27
650787.3	4077054	0.00224	246.1	0	ANNUAL	P28	Boundary Perimeter 28
650789.4	4076954	0.0025	241.37	0	ANNUAL	P29	Boundary Perimeter 29
648784.2	4077527	0.00143	209.74	0	ANNUAL	P3	Boundary Perimeter 3
650791.5	4076854	0.00356	246.79	0	ANNUAL	P30	Boundary Perimeter 30
650793.6	4076754	0.00274	228.75	0	ANNUAL	P31	Boundary Perimeter 31
650754.4	4076683	0.00279	217.76	0	ANNUAL	P32	Boundary Perimeter 32
650660.2	4076650	0.00303	221.2	0	ANNUAL	P33	Boundary Perimeter 33
650561.4	4076650	0.00326	220.83	0	ANNUAL	P34	Boundary Perimeter 34
650462.7	4076666	0.00352	223.42	0	ANNUAL	P35	Boundary Perimeter 35
650364	4076682	0.00376	222.46	0	ANNUAL	P36	Boundary Perimeter 36
650264.2	4076683	0.00411	223.19	0	ANNUAL	P37	Boundary Perimeter 37
650164.7	4076674	0.00457	222.1	0	ANNUAL	P38	Boundary Perimeter 38
650065.8	4076660	0.00519	217.03	0	ANNUAL	P39	Boundary Perimeter 39
648884.2	4077529	0.00107	214.25	0	ANNUAL	P4	Boundary Perimeter 4

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* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 294 RECEPTORS.

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
649980.4	4076627	0.00622	214.82	0	ANNUAL	P40	Boundary Perimeter 40	
649920.3	4076547	0.00775	214.91	0	ANNUAL	P41	Boundary Perimeter 41	
649852.2	4076474	0.00937	214.09	0	ANNUAL	P42	Boundary Perimeter 42	
649770.7	4076417	0.01184	211.53	0	ANNUAL	P43	Boundary Perimeter 43	
649680.5	4076375	0.01676	210.17	0	ANNUAL	P44	Boundary Perimeter 44	
649580.9	4076368	0.02472	208.52	0	ANNUAL	P45	Boundary Perimeter 45	
649482.5	4076384	0.03106	207.5	0	ANNUAL	P46	Boundary Perimeter 46	PMI
649391.6	4076425	0.02128	205.17	0	ANNUAL	P47	Boundary Perimeter 47	
649303.5	4076472	0.00229	202.16	0	ANNUAL	P48	Boundary Perimeter 48	
649226.2	4076535	0.00111	196.38	0	ANNUAL	P49	Boundary Perimeter 49	
648984.1	4077530	0.00078	221.41	0	ANNUAL	P5	Boundary Perimeter 5	
649156.2	4076605	0.00539	195.87	0	ANNUAL	P50	Boundary Perimeter 50	
649068.3	4076653	0.00707	196.32	0	ANNUAL	P51	Boundary Perimeter 51	
648986.7	4076711	0.00625	192.42	0	ANNUAL	P52	Boundary Perimeter 52	
648936.5	4076759	0.00543	192.46	0	ANNUAL	P53	Boundary Perimeter 53	
648868.6	4076833	0.00447	191.63	0	ANNUAL	P54	Boundary Perimeter 54	
648797.2	4076902	0.00372	186.32	0	ANNUAL	P55	Boundary Perimeter 55	
648710.6	4076952	0.00325	179.81	0	ANNUAL	P56	Boundary Perimeter 56	
648620.8	4076996	0.00291	176.23	0	ANNUAL	P57	Boundary Perimeter 57	
648607.2	4077051	0.00269	175.02	0	ANNUAL	P58	Boundary Perimeter 58	
648680.1	4077119	0.00263	180.62	0	ANNUAL	P59	Boundary Perimeter 59	
649084.1	4077532	0.0006	216.54	0	ANNUAL	P6	Boundary Perimeter 6	
648759.2	4077180	0.0026	183.47	0	ANNUAL	P60	Boundary Perimeter 60	
648791.4	4077262	0.00246	202.88	0	ANNUAL	P61	Boundary Perimeter 61	
648788.5	4077362	0.00178	178.21	0	ANNUAL	P62	Boundary Perimeter 62	
648691.3	4077361	0.00199	176.25	0	ANNUAL	P63	Boundary Perimeter 63	
648591.4	4077357	0.00204	176	0	ANNUAL	P64	Boundary Perimeter 64	
648525.7	4077371	0.00198	175.24	0	ANNUAL	P65	Boundary Perimeter 65	
648586.9	4077430	0.00188	175.13	0	ANNUAL	P66	Boundary Perimeter 66	
649184.1	4077534	0.00058	230.71	0	ANNUAL	P7	Boundary Perimeter 7	
649284.1	4077535	0.00143	248.08	0	ANNUAL	P8	Boundary Perimeter 8	
649384.1	4077536	0.0026	258.43	0	ANNUAL	Р9	Boundary Perimeter 9	

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- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 294 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
645930	4077983	0.00095	127.38	0	ANNUAL	RP_G1	New Development
645930	4078083	0.00094	127.58	0	ANNUAL	RP_G10	New Development
646030	4078083	0.00094	130.56	0	ANNUAL	RP_G11	New Development
646130	4078083	0.00095	134.35	0	ANNUAL	RP_G12	New Development
646230	4078083	0.00096	139.22	0	ANNUAL	RP_G13	New Development
646330	4078083	0.00097	144.65	0	ANNUAL	RP_G14	New Development
646430	4078083	0.00097	142.28	0	ANNUAL	RP_G15	New Development
646530	4078083	0.00098	146.76	0	ANNUAL	RP_G16	New Development
646630	4078083	0.00099	150.64	0	ANNUAL	RP_G17	New Development
646730	4078083	0.00101	155.4	0	ANNUAL	RP_G18	New Development
645930	4078183	0.00092	127.22	0	ANNUAL	RP_G19	New Development
646030	4077983	0.00096	131.21	0	ANNUAL	RP_G2	New Development
646030	4078183	0.00092	130.56	0	ANNUAL	RP_G20	New Development
646130	4078183	0.00093	133.89	0	ANNUAL	RP_G21	New Development
646230	4078183	0.00093	140.45	0	ANNUAL	RP_G22	New Development
646330	4078183	0.00094	146.94	0	ANNUAL	RP_G23	New Development
646430	4078183	0.00095	140.23	0	ANNUAL	RP_G24	New Development
646530	4078183	0.00096	147.25	0	ANNUAL	RP_G25	New Development
646630	4078183	0.00097	151.56	0	ANNUAL	RP_G26	New Development
646730	4078183	0.00099	157.78	0	ANNUAL	RP_G27	New Development
645930	4078283	0.00089	126.06	0	ANNUAL	RP_G28	New Development
646030	4078283	0.0009	129.56	0	ANNUAL	RP_G29	New Development
646130	4077983	0.00097	135.89	0	ANNUAL	RP_G3	New Development
646130	4078283	0.0009	132.89	0	ANNUAL	RP_G30	New Development
646230	4078283	0.00091	139.24	0	ANNUAL	RP_G31	New Development
646330	4078283	0.00092	142.68	0	ANNUAL	RP_G32	New Development
646430	4078283	0.00093	140.02	0	ANNUAL	RP_G33	New Development
646530	4078283	0.00094	147.22	0	ANNUAL	RP_G34	New Development
646630	4078283	0.00096	151.56	0	ANNUAL	RP_G35	New Development
646730	4078283	0.00097	156.78	0	ANNUAL	RP_G36	New Development
646230	4077983	0.00098	139.18	0	ANNUAL	RP_G4	New Development
646330	4077983	0.00099	140.76	0	ANNUAL	RP_G5	New Development

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PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 294 RECEPTORS.

101	(11)	A,5(174,1 15.5),5(174,1 0.2	2),211,110,211,	,110,211,10.0,1	221,710)			
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
646430	4077983	0.001	143.89	0	ANNUAL	RP_G6	New Development	
646530	4077983	0.00101	145.22	0	ANNUAL	RP_G7	New Development	
646630	4077983	0.00102	147.21	0	ANNUAL	RP_G8	New Development	
646730	4077983	0.00103	148.3	0	ANNUAL	RP_G9	New Development	
648659.3	4077241	0.00265	205.79	0	ANNUAL	RP_H1	House 1	MIER
648071.2	4076116	0.00032	169.6	0	ANNUAL	RP_H10	House 10	
648247.4	4076278	0.00045	184.55	0	ANNUAL	RP_H11	House 11	
648027.2	4076255	0.0004	169.38	0	ANNUAL	RP_H12	House 12	
648065.8	4076359	0.00051	173.83	0	ANNUAL	RP_H13	House 13	
648138.7	4076400	0.00058	178.22	0	ANNUAL	RP_H14	House 14	
648254.7	4076411	0.00064	191.28	0	ANNUAL	RP_H15	House 15	
647877.8	4076365	0.00049	165.39	0	ANNUAL	RP_H16	House 16	
647866.6	4076240	0.00038	163.13	0	ANNUAL	RP_H17	House 17	
647921	4076247	0.00039	164	0	ANNUAL	RP_H18	House 18	
647708.8	4076352	0.00046	163.52	0	ANNUAL	RP_H19	House 19	
648371.7	4075470	0.00021	173.69	0	ANNUAL	RP_H2	House 2	
647703.6	4076251	0.00038	162.17	0	ANNUAL	RP_H20	House 20	
647718.8	4076104	0.00031	159.35	0	ANNUAL	RP_H21	House 21	
647843.3	4076125	0.00032	163	0	ANNUAL	RP_H22	House 22	
647842.3	4076500	0.00064	167.93	0	ANNUAL	RP_H23	House 23	
647727.8	4076644	0.00081	164.15	0	ANNUAL	RP_H24	House 24	
647823.9	4076644	0.00086	168.29	0	ANNUAL	RP_H25	House 25	
647886.5	4076593	0.00081	169.05	0	ANNUAL	RP_H26	House 26	
647810.1	4076854	0.00129	162.9	0	ANNUAL	RP_H27	House 27	
647697.5	4076989	0.00139	161.42	0	ANNUAL	RP_H28	House 28	
648225.5	4076182	0.00038	183.22	0	ANNUAL	RP_H29	House 29	
647678.2	4075969	0.00025	159.5	0	ANNUAL	RP_H3	House 3	
645876.3	4077487	0.00085	127.13	0	ANNUAL	RP_H30	House 30	
650902	4076062	0.00262	215.24	0	ANNUAL	RP_H31	House 31	
651490	4076597	0.0019	205.5	0	ANNUAL	RP_H32	House 32	
651565	4077067	0.00152	213.93	0	ANNUAL	RP_H33	House 33	
648672.8	4075307	0.00023	225.91	0	ANNUAL	RP_H34	House 34	
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10/01/21

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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
648383.6	4075469	0.00021	174.44	0	ANNUAL	RP_H35	House 35	
646379.4	4077233	0.00085	146	0	ANNUAL	RP_H36	House 36	
651849.7	4075865	0.0017	201.97	0	ANNUAL	RP_H37	House 37	
652045.5	4076210	0.00156	196.88	0	ANNUAL	RP_H38	House 38	
652255.7	4076391	0.00144	197.06	0	ANNUAL	RP_H39	House 39	
647815.3	4075985	0.00026	162.04	0	ANNUAL	RP_H4	House 4	
646853.7	4077373	0.0011	145.99	0	ANNUAL	RP_H40	House 40	
647050.2	4077360	0.00117	145	0	ANNUAL	RP_H41	House 41	
647286.4	4077474	0.00127	149.68	0	ANNUAL	RP_H42	House 42	
647359.1	4077340	0.00132	154.45	0	ANNUAL	RP_H43	House 43	
647490.4	4077329	0.0014	162.28	0	ANNUAL	RP_H44	House 44	
647522.2	4077252	0.00142	164.3	0	ANNUAL	RP_H45	House 45	
647517.8	4077139	0.00137	164.01	0	ANNUAL	RP_H46	House 46	
646819	4077258	0.00104	151.53	0	ANNUAL	RP_H47	House 47	
646778.7	4077128	0.00092	158.51	0	ANNUAL	RP_H48	House 48	
646987.3	4077213	0.00107	146.44	0	ANNUAL	RP_H49	House 49	
647898.2	4076033	0.00028	163.83	0	ANNUAL	RP_H5	House 5	
647241.8	4077227	0.00122	154.85	0	ANNUAL	RP_H50	House 50	PMI
646773.1	4077063	0.00086	159	0	ANNUAL	RP_H51	House 51	
647104.4	4077118	0.00106	148.99	0	ANNUAL	RP_H52	House 52	
647291.9	4077123	0.00119	158.62	0	ANNUAL	RP_H53	House 53	
646765.2	4076978	0.00078	158.67	0	ANNUAL	RP_H54	House 54	
646995.7	4076984	0.00087	152.34	0	ANNUAL	RP_H55	House 55	
647317.2	4077031	0.00112	160.22	0	ANNUAL	RP_H56	House 56	
647398.4	4077013	0.00116	161.26	0	ANNUAL	RP_H57	House 57	
646978.9	4076904	0.00079	156.81	0	ANNUAL	RP_H58	House 58	
647015.2	4076807	0.00071	156.21	0	ANNUAL	RP_H59	House 59	
648045.4	4076018	0.00027	168.26	0	ANNUAL	RP_H6	House 6	
647164	4076802	0.00076	154.38	0	ANNUAL	RP_H60	House 60	
647310.6	4076940	0.001	162.49	0	ANNUAL	RP_H61	House 61	
647298.1	4076805	0.00082	158	0	ANNUAL	RP_H62	House 62	
647446.6	4076900	0.00103	159.45	0	ANNUAL	RP_H63	House 63	

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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
647464.5	4076781	0.00087	159.32	0	ANNUAL	RP_H64	House 64
647512	4076536	0.0006	159	0	ANNUAL	RP_H65	House 65
651131	4078767	0.00025	179.58	0	ANNUAL	RP_H66	House 66
648126.3	4075955	0.00025	171.51	0	ANNUAL	RP_H7	House 7
648249.3	4075970	0.00027	183.42	0	ANNUAL	RP_H8	House 8
648218.6	4076109	0.00033	182.28	0	ANNUAL	RP H9	House 9

10/01/21

* AERMET (19191): 2019

12:17:45

- PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 294 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
645996	4078698	0.00097	123.85	0	ANNUAL	AQ_ST_1	AQ Monitoring Station	
643903.7	4077719	0.00018	105.68	0	ANNUAL	CR_HP_1	Hazel Hawkins Memorial Hospital	
642056.8	4079416	0.0003	85.12	0	ANNUAL	CR_PK_1	Dunne Park	
642179.1	4079950	0.00041	117.99	0	ANNUAL	CR_PK_2	Vista Park Hill Park	
644733.1	4078753	0.00052	106.44	0	ANNUAL	CR_PK_3	Las Brisas Park	
645608.8	4078854	0.00086	112.86	0	ANNUAL	CR_PK_4	Frank Klauer Memorial Park	
644238.1	4078807	0.00044	95.25	0	ANNUAL	CR_PK_5	Veterans Memorial Park	
645311.5	4076559	0.00011	134.61	0	ANNUAL	CR_PK_6	Park 6	
649581.7	4073424	0.00056	159.96	0	ANNUAL	CR_PK_7	Park 7	
645145.1	4077181	0.00015	133	0	ANNUAL	CR_SC_1	Cerra Vista Elem School	
642904.7	4079955	0.00051	86	0	ANNUAL	CR_SC_10	San Andreas Continuation	
645850.7	4074015	0.00009	123	0	ANNUAL	CR_SC_11	SouthSide School	
642105.7	4078176	0.00017	91	0	ANNUAL	CR_SC_12	School 12	
646058.9	4078443	0.00083	128.52	0	ANNUAL	CR_SC_13	Rancho Santana School	School 1
647269	4075575	0.00015	158	0	ANNUAL	CR_SC_14	Future School	School 2
644109.6	4078389	0.0003	98.2	0	ANNUAL	CR_SC_2	Sunnyslope Elem School	
643920.1	4077304	0.00013	101.23	0	ANNUAL	CR_SC_3	Hollister Montessori School	
642961.1	4078621	0.00025	92	0	ANNUAL	CR_SC_4	Rancho San Justo Middle School	
643980	4079743	0.00065	88	0	ANNUAL	CR_SC_5	Marguerite Maze Middle School	
641630.2	4079153	0.00024	85	0	ANNUAL	CR_SC_6	Hollister Prep Schoo	
643350	4077181	0.00012	98.22	0	ANNUAL	CR_SC_7	Ladd Lane Elementary School	
644003	4080079	0.00075	87	0	ANNUAL	CR_SC_8	Gabilan Hills Elementary School	
642244.9	4078413	0.0002	90.17	0	ANNUAL	CR_SC_9	San Benito High School	
642083.4	4079794	0.00037	87.58	0	ANNUAL	CR_SR_1	Jovenes De Antano	
646402	4076879	0.00015	146.33	0	ANNUAL	CR_WP_1	Workplace	
648949	4077938	0.00109	189.45	0	ANNUAL	CR_WP_2	Nearest Workplace	MEIW
647744	4079173	0.00176	155.2	0	ANNUAL	G1	Grid Receptor 1	
647744	4075573	0.00016	160	0	ANNUAL	G10	Grid Receptor 10	
651344	4075573	0.0042	252.9	0	ANNUAL	G100	Grid Receptor 100	
648144	4079173	0.0013	165.9	0	ANNUAL	G11	Grid Receptor 11	
648144	4078773	0.00183	159.6	0	ANNUAL	G12	Grid Receptor 12	
648144	4078373	0.00246	146.2	0	ANNUAL	G13	Grid Receptor 13	

10/01/21

* AERMET (19191): 2019

12:17:45

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

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* FOR A TOTAL OF 294 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648144	4077973	0.00305	158.3	0	ANNUAL	G14	Grid Receptor 14
648144	4077573	0.0028	166.6	0	ANNUAL	G15	Grid Receptor 15
648144	4077173	0.00123	175.4	0	ANNUAL	G16	Grid Receptor 16
648144	4076773	0.00035	177.1	0	ANNUAL	G17	Grid Receptor 17
648144	4076373	0.00026	178	0	ANNUAL	G18	Grid Receptor 18
648144	4075973	0.00023	173	0	ANNUAL	G19	Grid Receptor 19
647744	4078773	0.00214	145.4	0	ANNUAL	G2	Grid Receptor 2
648144	4075573	0.00018	168.8	0	ANNUAL	G20	Grid Receptor 20
648544	4079173	0.00071	173.5	0	ANNUAL	G21	Grid Receptor 21
648544	4078773	0.00102	166.2	0	ANNUAL	G22	Grid Receptor 22
648544	4078373	0.00163	145.4	0	ANNUAL	G23	Grid Receptor 23
648544	4077973	0.00297	173.9	0	ANNUAL	G24	Grid Receptor 24
648544	4077573	0.00454	179.6	0	ANNUAL	G25	Grid Receptor 25
648544	4077173	0.00395	191	0	ANNUAL	G26	Grid Receptor 26
648544	4076773	0.00082	209.2	0	ANNUAL	G27	Grid Receptor 27
648544	4076373	0.00056	233.7	0	ANNUAL	G28	Grid Receptor 28
648544	4075973	0.00031	199.9	0	ANNUAL	G29	Grid Receptor 29
647744	4078373	0.00241	144.4	0	ANNUAL	G3	Grid Receptor 3
648544	4075573	0.00022	195.5	0	ANNUAL	G30	Grid Receptor 30
648944	4079173	0.00039	190.4	0	ANNUAL	G31	Grid Receptor 31
648944	4078773	0.00045	165.4	0	ANNUAL	G32	Grid Receptor 32
648944	4078373	0.00059	159.6	0	ANNUAL	G33	Grid Receptor 33
648944	4077973	0.00103	183.5	0	ANNUAL	G34	Grid Receptor 34
648944	4077573	0.00271	224	0	ANNUAL	G35	Grid Receptor 35
648944	4077173	0.0079	194.7	0	ANNUAL	G36	Grid Receptor 36
648944	4076773	0.00473	193	0	ANNUAL	G37	Grid Receptor 37
648944	4076373	0.00085	205	0	ANNUAL	G38	Grid Receptor 38
648944	4075973	0.0005	208.8	0	ANNUAL	G39	Grid Receptor 39
647744	4077973	0.00225	134.6	0	ANNUAL	G4	Grid Receptor 4
648944	4075573	0.00033	185.6	0	ANNUAL	G40	Grid Receptor 40
649344	4079173	0.00026	187.4	0	ANNUAL	G41	Grid Receptor 41
649344	4078773	0.00027	160.9	0	ANNUAL	G42	Grid Receptor 42

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* AERMET (19191): 2019

12:17:45

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 294 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
649344	4078373	0.00033	200.5	0	ANNUAL	G43	Grid Receptor 43
649344	4077973	0.00045	229	0	ANNUAL	G44	Grid Receptor 44
649344	4077573	0.00189	253.3	0	ANNUAL	G45	Grid Receptor 45
649344	4077173	0.00091	213.4	0	ANNUAL	G46	Grid Receptor 46
649344	4076773	0.00201	211.3	0	ANNUAL	G47	Grid Receptor 47
649344	4076373	0.00877	220.2	0	ANNUAL	G48	Grid Receptor 48
649344	4075973	0.0016	227.2	0	ANNUAL	G49	Grid Receptor 49
647744	4077573	0.00149	163.8	0	ANNUAL	G5	Grid Receptor 5
649344	4075573	0.00072	205.5	0	ANNUAL	G50	Grid Receptor 50
649744	4079173	0.00019	176.1	0	ANNUAL	G51	Grid Receptor 51
649744	4078773	0.00021	195	0	ANNUAL	G52	Grid Receptor 52
649744	4078373	0.00024	196.1	0	ANNUAL	G53	Grid Receptor 53
649744	4077973	0.00029	215.3	0	ANNUAL	G54	Grid Receptor 54
649744	4077573	0.00036	221.6	0	ANNUAL	G55	Grid Receptor 55
649744	4077173	0.00067	240.4	0	ANNUAL	G56	Grid Receptor 56
649744	4076773	0.00249	242.7	0	ANNUAL	G57	Grid Receptor 57
649744	4076373	0.01694	211.7	0	ANNUAL	G58	Grid Receptor 58
649744	4075973	0.01065	237.7	0	ANNUAL	G59	Grid Receptor 59
647744	4077173	0.00059	158.4	0	ANNUAL	G6	Grid Receptor 6
649744	4075573	0.00262	204.2	0	ANNUAL	G60	Grid Receptor 60
650144	4079173	0.00018	173	0	ANNUAL	G61	Grid Receptor 61
650144	4078773	0.00019	171	0	ANNUAL	G62	Grid Receptor 62
650144	4078373	0.00021	204.6	0	ANNUAL	G63	Grid Receptor 63
650144	4077973	0.00022	216.5	0	ANNUAL	G64	Grid Receptor 64
650144	4077573	0.00094	257.7	0	ANNUAL	G65	Grid Receptor 65
650144	4077173	0.00091	245.8	0	ANNUAL	G66	Grid Receptor 66
650144	4076773	0.00144	223.3	0	ANNUAL	G67	Grid Receptor 67
650144	4076373	0.00568	231.4	0	ANNUAL	G68	Grid Receptor 68
650144	4075973	0.01145	249.4	0	ANNUAL	G69	Grid Receptor 69
647744	4076773	0.00024	164.7	0	ANNUAL	G7	Grid Receptor 7
650144	4075573	0.00492	216.4	0	ANNUAL	G70	Grid Receptor 70
650544	4079173	0.00017	177	0	ANNUAL	G71	Grid Receptor 71

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 294 RECEPTORS.

X	Y	AVED ACE CONC	ZELEV		AVE	ID	Description
		AVERAGE CONC		ZFLAG			Description
650544	4078773	0.00016	180.9	0	ANNUAL	G72	Grid Receptor 72
650544	4078373	0.00017	196.6	0	ANNUAL	G73	Grid Receptor 73
650544	4077973	0.00028	236.9	0	ANNUAL	G74	Grid Receptor 74
650544	4077573	0.00112	261.3	0	ANNUAL	G75	Grid Receptor 75
650544	4077173	0.00172	259.2	0	ANNUAL	G76	Grid Receptor 76
650544	4076773	0.00159	234.2	0	ANNUAL	G77	Grid Receptor 77
650544	4076373	0.00653	260.9	0	ANNUAL	G78	Grid Receptor 78
650544	4075973	0.00499	226.7	0	ANNUAL	G79	Grid Receptor 79
647744	4076373	0.00019	164	0	ANNUAL	G8	Grid Receptor 8
650544	4075573	0.00957	268.2	0	ANNUAL	G80	Grid Receptor 80
650944	4079173	0.00014	181.3	0	ANNUAL	G81	Grid Receptor 81
650944	4078773	0.00014	178.4	0	ANNUAL	G82	Grid Receptor 82
650944	4078373	0.00018	214.8	0	ANNUAL	G83	Grid Receptor 83
650944	4077973	0.00056	249.9	0	ANNUAL	G84	Grid Receptor 84
650944	4077573	0.00126	276.5	0	ANNUAL	G85	Grid Receptor 85
650944	4077173	0.00071	225.6	0	ANNUAL	G86	Grid Receptor 86
650944	4076773	0.00125	219.8	0	ANNUAL	G87	Grid Receptor 87
650944	4076373	0.00213	209.2	0	ANNUAL	G88	Grid Receptor 88
650944	4075973	0.00326	216.6	0	ANNUAL	G89	Grid Receptor 89
647744	4075973	0.0002	160.7	0	ANNUAL	G9	Grid Receptor 9
650944	4075573	0.00461	243.2	0	ANNUAL	G90	Grid Receptor 90
651344	4079173	0.00013	191	0	ANNUAL	G91	Grid Receptor 91
651344	4078773	0.00014	181	0	ANNUAL	G92	Grid Receptor 92
651344	4078373	0.0002	214.3	0	ANNUAL	G93	Grid Receptor 93
651344	4077973	0.0005	248.4	0	ANNUAL	G94	Grid Receptor 94
651344	4077573	0.00045	213.2	0	ANNUAL	G95	Grid Receptor 95
651344	4077173	0.00076	213.6	0	ANNUAL	G96	Grid Receptor 96
651344	4076773	0.0011	203.5	0	ANNUAL	G97	Grid Receptor 97
651344	4076373	0.00166	205.6	0	ANNUAL	G98	Grid Receptor 98
651344	4075973	0.00236	205.8	0	ANNUAL	G99	Grid Receptor 99
648584.2	4077523	0.00485	183.61	0	ANNUAL	P1	Boundary Perimeter 1
649484.1	4077537	0.00156	254.01	0	ANNUAL	P10	Boundary Perimeter 10

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- * FOR A TOTAL OF 294 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
649584	4077539	0.00055	235.3	0	ANNUAL	P11	Boundary Perimeter 11
649684	4077540	0.00039	221.29	0	ANNUAL	P12	Boundary Perimeter 12
649784	4077541	0.00035	222.37	0	ANNUAL	P13	Boundary Perimeter 13
649884	4077542	0.00037	233.6	0	ANNUAL	P14	Boundary Perimeter 14
649984	4077543	0.00066	249.54	0	ANNUAL	P15	Boundary Perimeter 15
650083.9	4077546	0.00098	258.89	0	ANNUAL	P16	Boundary Perimeter 16
650183.9	4077548	0.00111	259.56	0	ANNUAL	P17	Boundary Perimeter 17
650283.9	4077550	0.00102	256.77	0	ANNUAL	P18	Boundary Perimeter 18
650383.8	4077552	0.00051	242.37	0	ANNUAL	P19	Boundary Perimeter 19
648684.2	4077525	0.00529	197.16	0	ANNUAL	P2	Boundary Perimeter 2
650483.8	4077554	0.0005	242.23	0	ANNUAL	P20	Boundary Perimeter 20
650583.8	4077557	0.00105	259.71	0	ANNUAL	P21	Boundary Perimeter 21
650683.8	4077559	0.00095	257.58	0	ANNUAL	P22	Boundary Perimeter 22
650776.8	4077554	0.00123	267.9	0	ANNUAL	P23	Boundary Perimeter 23
650778.9	4077454	0.00142	275.91	0	ANNUAL	P24	Boundary Perimeter 24
650781	4077354	0.00157	265.73	0	ANNUAL	P25	Boundary Perimeter 25
650783.1	4077254	0.00113	251.08	0	ANNUAL	P26	Boundary Perimeter 26
650785.2	4077154	0.00138	252.83	0	ANNUAL	P27	Boundary Perimeter 27
650787.3	4077054	0.00128	246.1	0	ANNUAL	P28	Boundary Perimeter 28
650789.4	4076954	0.00132	241.37	0	ANNUAL	P29	Boundary Perimeter 29
648784.2	4077527	0.00537	209.74	0	ANNUAL	P3	Boundary Perimeter 3
650791.5	4076854	0.00182	246.79	0	ANNUAL	P30	Boundary Perimeter 30
650793.6	4076754	0.00141	228.75	0	ANNUAL	P31	Boundary Perimeter 31
650754.4	4076683	0.00147	217.76	0	ANNUAL	P32	Boundary Perimeter 32
650660.2	4076650	0.00161	221.2	0	ANNUAL	P33	Boundary Perimeter 33
650561.4	4076650	0.00168	220.83	0	ANNUAL	P34	Boundary Perimeter 34
650462.7	4076666	0.00172	223.42	0	ANNUAL	P35	Boundary Perimeter 35
650364	4076682	0.00172	222.46	0	ANNUAL	P36	Boundary Perimeter 36
650264.2	4076683	0.0018	223.19	0	ANNUAL	P37	Boundary Perimeter 37
650164.7	4076674	0.00193	222.1	0	ANNUAL	P38	Boundary Perimeter 38
650065.8	4076660	0.00211	217.03	0	ANNUAL	P39	Boundary Perimeter 39
648884.2	4077529	0.00411	214.25	0	ANNUAL	P4	Boundary Perimeter 4

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- * FOR A TOTAL OF 294 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
649980.4	4076627	0.00259	214.82	0	ANNUAL	P40	Boundary Perimeter 40
649920.3	4076547	0.0041	214.91	0	ANNUAL	P41	Boundary Perimeter 41
649852.2	4076474	0.00712	214.09	0	ANNUAL	P42	Boundary Perimeter 42
649770.7	4076417	0.01285	211.53	0	ANNUAL	P43	Boundary Perimeter 43
649680.5	4076375	0.02131	210.17	0	ANNUAL	P44	Boundary Perimeter 44
649580.9	4076368	0.02996	208.52	0	ANNUAL	P45	Boundary Perimeter 45
649482.5	4076384	0.03425	207.5	0	ANNUAL	P46	Boundary Perimeter 46
649391.6	4076425	0.02254	205.17	0	ANNUAL	P47	Boundary Perimeter 47
649303.5	4076472	0.00232	202.16	0	ANNUAL	P48	Boundary Perimeter 48
649226.2	4076535	0.00082	196.38	0	ANNUAL	P49	Boundary Perimeter 49
648984.1	4077530	0.00246	221.41	0	ANNUAL	P5	Boundary Perimeter 5
649156.2	4076605	0.00285	195.87	0	ANNUAL	P50	Boundary Perimeter 50
649068.3	4076653	0.00355	196.32	0	ANNUAL	P51	Boundary Perimeter 51
648986.7	4076711	0.00364	192.42	0	ANNUAL	P52	Boundary Perimeter 52
648936.5	4076759	0.00395	192.46	0	ANNUAL	P53	Boundary Perimeter 53
648868.6	4076833	0.00436	191.63	0	ANNUAL	P54	Boundary Perimeter 54
648797.2	4076902	0.00425	186.32	0	ANNUAL	P55	Boundary Perimeter 55
648710.6	4076952	0.00343	179.81	0	ANNUAL	P56	Boundary Perimeter 56
648620.8	4076996	0.00279	176.23	0	ANNUAL	P57	Boundary Perimeter 57
648607.2	4077051	0.00329	175.02	0	ANNUAL	P58	Boundary Perimeter 58
648680.1	4077119	0.00514	180.62	0	ANNUAL	P59	Boundary Perimeter 59
649084.1	4077532	0.00138	216.54	0	ANNUAL	P6	Boundary Perimeter 6
648759.2	4077180	0.00667	183.47	0	ANNUAL	P60	Boundary Perimeter 60
648791.4	4077262	0.00758	202.88	0	ANNUAL	P61	Boundary Perimeter 61
648788.5	4077362	0.00586	178.21	0	ANNUAL	P62	Boundary Perimeter 62
648691.3	4077361	0.00564	176.25	0	ANNUAL	P63	Boundary Perimeter 63
648591.4	4077357	0.005	176	0	ANNUAL	P64	Boundary Perimeter 64
648525.7	4077371	0.00452	175.24	0	ANNUAL	P65	Boundary Perimeter 65
648586.9	4077430	0.00493	175.13	0	ANNUAL	P66	Boundary Perimeter 66
649184.1	4077534	0.00092	230.71	0	ANNUAL	P7	Boundary Perimeter 7
649284.1	4077535	0.0016	248.08	0	ANNUAL	P8	Boundary Perimeter 8
649384.1	4077536	0.00227	258.43	0	ANNUAL	P9	Boundary Perimeter 9

PMI

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
645930	4077983	0.00048	127.38	0	ANNUAL	RP G1	New Development
645930	4078083	0.00054	127.58	0	ANNUAL	RP G10	New Development
646030	4078083	0.00057	130.56	0	ANNUAL	RP G11	New Development
646130	4078083	0.00062	134.35	0	ANNUAL	RP G12	New Development
646230	4078083	0.00066	139.22	0	ANNUAL	RP G13	New Development
646330	4078083	0.00071	144.65	0	ANNUAL	RP G14	New Development
646430	4078083	0.00076	142.28	0	ANNUAL	RP G15	New Development
646530	4078083	0.00082	146.76	0	ANNUAL	RP G16	New Development
646630	4078083	0.00089	150.64	0	ANNUAL	RP G17	New Development
646730	4078083	0.00097	155.4	0	ANNUAL	RP G18	New Development
645930	4078183	0.0006	127.22	0	ANNUAL	RP G19	New Development
646030	4077983	0.00051	131.21	0	ANNUAL	RP G2	New Development
646030	4078183	0.00064	130.56	0	ANNUAL	RP G20	New Development
646130	4078183	0.00068	133.89	0	ANNUAL	RP G21	New Development
646230	4078183	0.00073	140.45	0	ANNUAL	RP G22	New Development
646330	4078183	0.00079	146.94	0	ANNUAL	RP_G23	New Development
646430	4078183	0.00084	140.23	0	ANNUAL	RP_G24	New Development
646530	4078183	0.00091	147.25	0	ANNUAL	RP_G25	New Development
646630	4078183	0.00099	151.56	0	ANNUAL	RP_G26	New Development
646730	4078183	0.00108	157.78	0	ANNUAL	RP_G27	New Development
645930	4078283	0.00066	126.06	0	ANNUAL	RP_G28	New Development
646030	4078283	0.00071	129.56	0	ANNUAL	RP_G29	New Development
646130	4077983	0.00055	135.89	0	ANNUAL	RP_G3	New Development
646130	4078283	0.00075	132.89	0	ANNUAL	RP_G30	New Development
646230	4078283	0.00081	139.24	0	ANNUAL	RP_G31	New Development
646330	4078283	0.00087	142.68	0	ANNUAL	RP_G32	New Development
646430	4078283	0.00093	140.02	0	ANNUAL	RP_G33	New Development
646530	4078283	0.00101	147.22	0	ANNUAL	RP_G34	New Development
646630	4078283	0.00109	151.56	0	ANNUAL	RP_G35	New Development
646730	4078283	0.00119	156.78	0	ANNUAL	RP_G36	New Development
646230	4077983	0.00059	139.18	0	ANNUAL	RP_G4	New Development
646330	4077983	0.00063	140.76	0	ANNUAL	RP_G5	New Development

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X Y AVERAGE CONC ZELEY ZFLAG AVE ID Description 646430 4077983 0.00068 143.89 0 ANNUAL RP G7 New Development 646530 4077983 0.00079 147.21 0 ANNUAL RP G8 New Development 646730 4077983 0.00086 148.3 0 ANNUAL RP G9 New Development 6486593 4077241 0.00039 205.79 0 ANNUAL RP H1 House 1 648071.2 4076116 0.00024 169.6 0 ANNUAL RP H1 House 1 648027.2 4076255 0.00029 184.55 0 ANNUAL RP H11 House 12 648138.7 4076359 0.00025 173.83 0 ANNUAL RP H13 House 12 648138.7 4076400 0.00026 178.22 0 ANNUAL RP H14 House 13 647871.8 4076355 0.000021 165.39 0 <td< th=""><th></th><th></th><th>-,- (,),- (,</th><th>- / , , , ,</th><th>,,-</th><th>,/</th><th></th><th></th><th></th></td<>			-,- (,),- (,	- / , , , ,	,,-	,/			
646530 4077983 0.00073 145.22 0 ANNUAL RP G7 New Development 646630 4077983 0.00079 147.21 0 ANNUAL RP G8 New Development 646730 4077983 0.00086 148.3 0 ANNUAL RP G9 New Development 648659.3 4077241 0.00639 205.79 0 ANNUAL RP H1 House I 648071.2 4076116 0.00024 169.6 0 ANNUAL RP H1 House I0 648247.4 4076275 0.00029 184.55 0 ANNUAL RP H11 House I1 648055.8 4076359 0.00024 169.38 0 ANNUAL RP H12 House I2 648138.7 4076400 0.00026 178.22 0 ANNUAL RP H14 House I3 648138.7 4076401 0.0003 191.28 0 ANNUAL RP H15 House I4 647866.6 4076240 0.00021 165.39 0	X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
646630 4077983 0.00079 147.21 0 ANNUAL RP G8 New Development 646730 4077983 0.00086 148.3 0 ANNUAL RP G9 New Development 648659.3 4077241 0.00639 205.79 0 ANNUAL RP HI1 House 1 648071.2 4076116 0.00024 169.6 0 ANNUAL RP HI0 House 10 648247.4 4076278 0.00029 184.55 0 ANNUAL RP HI1 House 11 648065.8 4076359 0.00025 173.83 0 ANNUAL RP HI2 House 12 648138.7 4076400 0.00026 178.22 0 ANNUAL RP HI3 House 13 647877.8 4076365 0.00021 165.39 0 ANNUAL RP HI6 House 15 647866.6 4076240 0.00021 163.13 0 ANNUAL RP HI7 House 17 64770.8 4076352 0.00019 163.52 0 ANNUAL RP H29 House 19 <	646430	4077983	0.00068	143.89	0	ANNUAL	RP_G6	New Development	
646730 4077983 0.00086 148.3 0 ANNUAL RP_G9 New Development 648659.3 4077241 0.00639 205.79 0 ANNUAL RP_H1 House I 648071.2 4076116 0.00024 169.6 0 ANNUAL RP_H10 House 10 648247.4 4076278 0.00029 184.55 0 ANNUAL RP_H11 House 11 648027.2 4076255 0.00024 169.38 0 ANNUAL RP_H12 House 12 648065.8 4076359 0.00025 173.83 0 ANNUAL RP_H13 House 13 648138.7 4076400 0.00026 178.22 0 ANNUAL RP_H14 House 13 648138.7 4076365 0.00021 165.39 0 ANNUAL RP_H16 House 15 647877.8 4076365 0.00021 163.13 0 ANNUAL RP_H17 House 16 647876.6 4076247 0.000021 163.52 0	646530	4077983	0.00073	145.22	0	ANNUAL	RP_G7	New Development	
648659.3 4077241 0.00639 205.79 0 ANNUAL RP HI House I 648071.2 4076116 0.00024 169.6 0 ANNUAL RP HI0 House 10 648247.4 4076278 0.00029 184.55 0 ANNUAL RP HI12 House 11 648072.2 4076255 0.00024 169.38 0 ANNUAL RP HI12 House 12 648078.3 4076359 0.00025 173.83 0 ANNUAL RP HI3 House 13 648138.7 4076400 0.00026 178.22 0 ANNUAL RP HI5 House 14 648254.7 4076411 0.0003 191.28 0 ANNUAL RP HI5 House 15 647866.6 4076240 0.00021 163.13 0 ANNUAL RP HI7 House 15 647708.8 4076352 0.00019 163.52 0 ANNUAL RP H19 House 18 647708.8 4076547 0.00018 173.69 0 <t< td=""><td>646630</td><td>4077983</td><td>0.00079</td><td>147.21</td><td>0</td><td>ANNUAL</td><td>RP_G8</td><td>New Development</td><td></td></t<>	646630	4077983	0.00079	147.21	0	ANNUAL	RP_G8	New Development	
648071.2 4076116 0.00024 169.6 0 ANNUAL RP_H10 House 10 648247.4 4076278 0.00029 184.55 0 ANNUAL RP_H11 House 11 648065.2 4076255 0.00024 169.38 0 ANNUAL RP_H12 House 12 648065.8 4076359 0.00025 173.83 0 ANNUAL RP_H14 House 13 648138.7 4076400 0.00026 178.22 0 ANNUAL RP_H14 House 14 648254.7 4076411 0.0003 191.28 0 ANNUAL RP_H15 House 15 64787.8 4076365 0.00021 165.39 0 ANNUAL RP_H16 House 16 647866.6 4076240 0.00021 165.33 0 ANNUAL RP_H17 House 17 647921 4076247 0.00022 164 0 ANNUAL RP_H18 House 18 647703.6 4076521 0.00018 173.69 0 ANNUAL RP_H19 House 2 647703.6	646730	4077983	0.00086	148.3	0	ANNUAL	RP_G9	New Development	
648247.4 4076278 0.00029 184.55 0 ANNUAL RP H11 House 11 648027.2 4076255 0.00024 169.38 0 ANNUAL RP H12 House 12 648065.8 4076359 0.00025 173.83 0 ANNUAL RP H13 House 13 648138.7 4076400 0.00026 178.22 0 ANNUAL RP H14 House 14 648254.7 4076411 0.0003 191.28 0 ANNUAL RP H15 House 15 647877.8 4076365 0.00021 165.39 0 ANNUAL RP H16 House 16 647866.6 4076240 0.00022 164 0 ANNUAL RP H17 House 17 647921 4076247 0.00022 164 0 ANNUAL RP H19 House 18 647708.8 4076352 0.00019 163.52 0 ANNUAL RP H29 House 29 647718.8 4076104 0.0002 159.35 0 ANNUAL	648659.3	4077241	0.00639	205.79	0	ANNUAL	RP_H1	House 1	MEIR
648027.2 4076255 0.00024 169.38 0 ANNUAL RP_H12 House 12 648065.8 4076359 0.00025 173.83 0 ANNUAL RP_H13 House 13 648138.7 4076400 0.00026 178.22 0 ANNUAL RP_H14 House 14 648254.7 4076411 0.0003 191.28 0 ANNUAL RP_H15 House 15 64787.8 4076365 0.00021 165.39 0 ANNUAL RP_H16 House 16 647866.6 4076240 0.00021 163.13 0 ANNUAL RP_H17 House 17 647921 4076247 0.00022 164 0 ANNUAL RP_H18 House 18 647708.8 4076352 0.00019 163.52 0 ANNUAL RP_H19 House 19 648703.6 4076251 0.00018 173.69 0 ANNUAL RP_H2 House 2 647703.6 4076251 0.00019 162.17 0 ANNUA	648071.2	4076116	0.00024	169.6	0	ANNUAL	RP_H10	House 10	
648065.8 4076359 0.00025 173.83 0 ANNUAL RP_H13 House 13 648138.7 4076400 0.00026 178.22 0 ANNUAL RP_H14 House 14 648254.7 4076411 0.0003 191.28 0 ANNUAL RP_H15 House 15 647877.8 4076365 0.00021 165.39 0 ANNUAL RP_H16 House 16 647866.6 4076240 0.00021 163.13 0 ANNUAL RP_H17 House 17 647921 4076247 0.00022 164 0 ANNUAL RP_H18 House 18 647921 4076247 0.00022 164 0 ANNUAL RP_H19 House 18 647921 4076247 0.00022 164 0 ANNUAL RP_H19 House 18 647921 4076247 0.00018 173.69 0 ANNUAL RP_H19 House 29 648371.7 4075470 0.00018 173.69 0 ANNUAL	648247.4	4076278	0.00029	184.55	0	ANNUAL	RP_H11	House 11	
648138.7 4076400 0.00026 178.22 0 ANNUAL RP H14 House 14 648254.7 4076411 0.0003 191.28 0 ANNUAL RP H15 House 15 647877.8 4076365 0.00021 165.39 0 ANNUAL RP H16 House 16 647866.6 4076240 0.00021 163.13 0 ANNUAL RP H17 House 17 647921 4076247 0.00022 164 0 ANNUAL RP H18 House 18 647708.8 4076352 0.00019 163.52 0 ANNUAL RP H19 House 19 648371.7 4075470 0.00018 173.69 0 ANNUAL RP H20 House 2 647703.6 4076251 0.00019 162.17 0 ANNUAL RP H20 House 20 647718.8 4076104 0.0002 159.35 0 ANNUAL RP H22 House 22 647842.3 4076500 0.00021 163 0 ANNUAL<	648027.2	4076255	0.00024	169.38	0	ANNUAL	RP_H12	House 12	
648254.7 4076411 0.0003 191.28 0 ANNUAL RP_H15 House 15 647877.8 4076365 0.00021 165.39 0 ANNUAL RP_H16 House 16 647866.6 4076240 0.00021 163.13 0 ANNUAL RP_H17 House 17 647921 4076247 0.00022 164 0 ANNUAL RP_H18 House 18 647708.8 4076352 0.00019 163.52 0 ANNUAL RP_H19 House 19 648371.7 4075470 0.00018 173.69 0 ANNUAL RP_H2 House 2 647703.6 4076251 0.00019 162.17 0 ANNUAL RP_H20 House 2 647718.8 4076104 0.0002 159.35 0 ANNUAL RP_H21 House 21 647842.3 4076500 0.00021 163 0 ANNUAL RP_H22 House 23 647727.8 4076644 0.00022 168.29 0 ANNUAL <td>648065.8</td> <td>4076359</td> <td>0.00025</td> <td>173.83</td> <td>0</td> <td>ANNUAL</td> <td>RP_H13</td> <td>House 13</td> <td></td>	648065.8	4076359	0.00025	173.83	0	ANNUAL	RP_H13	House 13	
647877.8 4076365 0.00021 165.39 0 ANNUAL RP_H16 House 16 647866.6 4076240 0.00021 163.13 0 ANNUAL RP_H17 House 17 647921 4076247 0.00022 164 0 ANNUAL RP_H18 House 18 647708.8 4076352 0.00019 163.52 0 ANNUAL RP_H19 House 19 64871.7 4075470 0.00018 173.69 0 ANNUAL RP_H2 House 20 647703.6 4076251 0.00019 162.17 0 ANNUAL RP_H20 House 20 647718.8 4076104 0.0002 159.35 0 ANNUAL RP_H21 House 21 647843.3 4076125 0.00021 163 0 ANNUAL RP_H21 House 22 647842.3 4076500 0.00021 167.93 0 ANNUAL RP_H23 House 23 647727.8 4076644 0.00022 168.29 0 ANNUAL<	648138.7	4076400	0.00026	178.22	0	ANNUAL	RP_H14	House 14	
647866.6 4076240 0.00021 163.13 0 ANNUAL RP H17 House 17 647921 4076247 0.00022 164 0 ANNUAL RP H18 House 18 647708.8 4076352 0.00019 163.52 0 ANNUAL RP H19 House 19 648371.7 4075470 0.00018 173.69 0 ANNUAL RP H2 House 2 647703.6 4076251 0.00019 162.17 0 ANNUAL RP H20 House 20 647718.8 4076104 0.0002 159.35 0 ANNUAL RP H21 House 21 647843.3 4076125 0.00021 163 0 ANNUAL RP H22 House 22 647842.3 4076500 0.00021 167.93 0 ANNUAL RP H23 House 23 647727.8 4076644 0.00021 164.15 0 ANNUAL RP H25 House 25	648254.7	4076411	0.0003	191.28	0	ANNUAL	RP_H15	House 15	
647921 4076247 0.00022 164 0 ANNUAL RP_H18 House 18 647708.8 4076352 0.00019 163.52 0 ANNUAL RP_H19 House 19 648371.7 4075470 0.00018 173.69 0 ANNUAL RP_H2 House 2 647703.6 4076251 0.00019 162.17 0 ANNUAL RP_H20 House 20 647718.8 4076104 0.0002 159.35 0 ANNUAL RP_H21 House 21 647843.3 4076125 0.00021 163 0 ANNUAL RP_H22 House 22 647842.3 4076500 0.00021 167.93 0 ANNUAL RP_H23 House 23 647727.8 4076644 0.00022 168.29 0 ANNUAL RP_H26 House 24 647823.9 4076644 0.00022 168.29 0 ANNUAL RP_H26 House 25 647810.1 4076854 0.00029 162.9 0 ANNUAL </td <td>647877.8</td> <td>4076365</td> <td>0.00021</td> <td>165.39</td> <td>0</td> <td>ANNUAL</td> <td>RP_H16</td> <td>House 16</td> <td></td>	647877.8	4076365	0.00021	165.39	0	ANNUAL	RP_H16	House 16	
647708.8 4076352 0.00019 163.52 0 ANNUAL RP_H19 House 19 648371.7 4075470 0.00018 173.69 0 ANNUAL RP_H2 House 2 647703.6 4076251 0.00019 162.17 0 ANNUAL RP_H20 House 20 647718.8 4076104 0.0002 159.35 0 ANNUAL RP_H21 House 21 647843.3 4076125 0.00021 163 0 ANNUAL RP_H22 House 22 647842.3 4076500 0.00021 167.93 0 ANNUAL RP_H23 House 23 647727.8 4076644 0.00021 164.15 0 ANNUAL RP_H24 House 24 647823.9 4076644 0.00022 168.29 0 ANNUAL RP_H25 House 25 647886.5 4076593 0.00022 169.05 0 ANNUAL RP_H26 House 26 647810.1 4076854 0.00029 162.9 0 ANN	647866.6	4076240	0.00021	163.13	0	ANNUAL	RP_H17	House 17	
648371.7 4075470 0.00018 173.69 0 ANNUAL RP_H2 House 2 647703.6 4076251 0.00019 162.17 0 ANNUAL RP_H20 House 20 647718.8 4076104 0.0002 159.35 0 ANNUAL RP_H21 House 21 647843.3 4076125 0.00021 163 0 ANNUAL RP_H22 House 22 647842.3 4076500 0.00021 167.93 0 ANNUAL RP_H23 House 23 647727.8 4076644 0.00021 164.15 0 ANNUAL RP_H24 House 24 647823.9 4076644 0.00022 168.29 0 ANNUAL RP_H25 House 25 647886.5 4076593 0.00022 169.05 0 ANNUAL RP_H26 House 26 647810.1 4076854 0.00029 162.9 0 ANNUAL RP_H27 House 27 647697.5 4076989 0.00035 161.42 0 ANN	647921	4076247	0.00022	164	0	ANNUAL	RP_H18	House 18	
647703.6 4076251 0.00019 162.17 0 ANNUAL RP H20 House 20 647718.8 4076104 0.0002 159.35 0 ANNUAL RP H21 House 21 647843.3 4076125 0.00021 163 0 ANNUAL RP H22 House 22 647842.3 4076500 0.00021 167.93 0 ANNUAL RP H23 House 23 647727.8 4076644 0.00021 164.15 0 ANNUAL RP H24 House 24 647823.9 4076644 0.00022 168.29 0 ANNUAL RP H25 House 25 647886.5 4076593 0.00022 169.05 0 ANNUAL RP H26 House 26 647810.1 4076854 0.00029 162.9 0 ANNUAL RP H27 House 27 647697.5 4076989 0.00035 161.42 0 ANNUAL RP H28 House 28 648225.5 4076182 0.00028 183.22 0 A	647708.8	4076352	0.00019	163.52	0	ANNUAL	RP_H19	House 19	
647718.8 4076104 0.0002 159.35 0 ANNUAL RP_H21 House 21 647843.3 4076125 0.00021 163 0 ANNUAL RP_H22 House 22 647842.3 4076500 0.00021 167.93 0 ANNUAL RP_H23 House 23 647727.8 4076644 0.00021 164.15 0 ANNUAL RP_H24 House 24 647823.9 4076644 0.00022 168.29 0 ANNUAL RP_H25 House 25 647886.5 4076593 0.00022 169.05 0 ANNUAL RP_H26 House 26 647810.1 4076854 0.00029 162.9 0 ANNUAL RP_H27 House 27 647697.5 4076989 0.00035 161.42 0 ANNUAL RP_H28 House 28 648225.5 4076182 0.00028 183.22 0 ANNUAL RP_H3 House 3 645876.3 4077487 0.00025 127.13 0 ANN	648371.7	4075470	0.00018	173.69	0	ANNUAL	RP_H2	House 2	
647843.3 4076125 0.00021 163 0 ANNUAL RP_H22 House 22 647842.3 4076500 0.00021 167.93 0 ANNUAL RP_H23 House 23 647727.8 4076644 0.00021 164.15 0 ANNUAL RP_H24 House 24 647823.9 4076644 0.00022 168.29 0 ANNUAL RP_H25 House 25 647886.5 4076593 0.00022 169.05 0 ANNUAL RP_H26 House 26 647810.1 4076854 0.00029 162.9 0 ANNUAL RP_H27 House 27 647697.5 4076989 0.00035 161.42 0 ANNUAL RP_H28 House 28 648225.5 4076182 0.00028 183.22 0 ANNUAL RP_H29 House 29 647678.2 4075969 0.00019 159.5 0 ANNUAL RP_H3 House 30 650902 4076062 0.00315 215.24 0 ANNU	647703.6	4076251	0.00019	162.17	0	ANNUAL	RP_H20	House 20	
647842.3 4076500 0.00021 167.93 0 ANNUAL RP_H23 House 23 647727.8 4076644 0.00021 164.15 0 ANNUAL RP_H24 House 24 647823.9 4076644 0.00022 168.29 0 ANNUAL RP_H25 House 25 647886.5 4076593 0.00022 169.05 0 ANNUAL RP_H26 House 26 647810.1 4076854 0.00029 162.9 0 ANNUAL RP_H27 House 27 647697.5 4076989 0.00035 161.42 0 ANNUAL RP_H28 House 28 648225.5 4076182 0.00028 183.22 0 ANNUAL RP_H29 House 29 647678.2 4075969 0.00019 159.5 0 ANNUAL RP_H3 House 3 650902 4076062 0.00315 215.24 0 ANNUAL RP_H31 House 31 651490 4076597 0.00127 205.5 0 ANNUA	647718.8	4076104	0.0002	159.35	0	ANNUAL	RP_H21	House 21	
647727.8 4076644 0.00021 164.15 0 ANNUAL RP_H24 House 24 647823.9 4076644 0.00022 168.29 0 ANNUAL RP_H25 House 25 647886.5 4076593 0.00022 169.05 0 ANNUAL RP_H26 House 26 647810.1 4076854 0.00029 162.9 0 ANNUAL RP_H27 House 27 647697.5 4076989 0.00035 161.42 0 ANNUAL RP_H28 House 28 648225.5 4076182 0.00028 183.22 0 ANNUAL RP_H29 House 29 647678.2 4075969 0.00019 159.5 0 ANNUAL RP_H3 House 3 645876.3 4077487 0.00025 127.13 0 ANNUAL RP_H31 House 31 651490 4076597 0.00127 205.5 0 ANNUAL RP_H32 House 32 651565 4077067 0.00087 213.93 0 ANNUA	647843.3	4076125	0.00021	163	0	ANNUAL	RP_H22	House 22	
647823.9 4076644 0.00022 168.29 0 ANNUAL RP_H25 House 25 647886.5 4076593 0.00022 169.05 0 ANNUAL RP_H26 House 26 647810.1 4076854 0.00029 162.9 0 ANNUAL RP_H27 House 27 647697.5 4076989 0.00035 161.42 0 ANNUAL RP_H28 House 28 648225.5 4076182 0.00028 183.22 0 ANNUAL RP_H29 House 29 647678.2 4075969 0.00019 159.5 0 ANNUAL RP_H3 House 3 645876.3 4077487 0.00025 127.13 0 ANNUAL RP_H30 House 30 650902 4076062 0.00315 215.24 0 ANNUAL RP_H31 House 32 651490 4076597 0.00127 205.5 0 ANNUAL RP_H32 House 32 651565 4077067 0.00087 213.93 0 ANNUAL<	647842.3	4076500	0.00021	167.93	0	ANNUAL	RP_H23	House 23	
647886.5 4076593 0.00022 169.05 0 ANNUAL RP_H26 House 26 647810.1 4076854 0.00029 162.9 0 ANNUAL RP_H27 House 27 647697.5 4076989 0.00035 161.42 0 ANNUAL RP_H28 House 28 648225.5 4076182 0.00028 183.22 0 ANNUAL RP_H29 House 29 647678.2 4075969 0.00019 159.5 0 ANNUAL RP_H3 House 3 645876.3 4077487 0.00025 127.13 0 ANNUAL RP_H30 House 30 650902 4076062 0.00315 215.24 0 ANNUAL RP_H31 House 31 651490 4076597 0.00127 205.5 0 ANNUAL RP_H32 House 32 651565 4077067 0.00087 213.93 0 ANNUAL RP_H33 House 33	647727.8	4076644	0.00021	164.15	0	ANNUAL	RP_H24	House 24	
647810.1 4076854 0.00029 162.9 0 ANNUAL RP_H27 House 27 647697.5 4076989 0.00035 161.42 0 ANNUAL RP_H28 House 28 648225.5 4076182 0.00028 183.22 0 ANNUAL RP_H29 House 29 647678.2 4075969 0.00019 159.5 0 ANNUAL RP_H3 House 3 645876.3 4077487 0.00025 127.13 0 ANNUAL RP_H30 House 30 650902 4076062 0.00315 215.24 0 ANNUAL RP_H31 House 31 651490 4076597 0.00127 205.5 0 ANNUAL RP_H32 House 32 651565 4077067 0.00087 213.93 0 ANNUAL RP_H33 House 33	647823.9	4076644	0.00022	168.29	0	ANNUAL	RP_H25	House 25	
647697.5 4076989 0.00035 161.42 0 ANNUAL RP_H28 House 28 648225.5 4076182 0.00028 183.22 0 ANNUAL RP_H29 House 29 647678.2 4075969 0.00019 159.5 0 ANNUAL RP_H3 House 3 645876.3 4077487 0.00025 127.13 0 ANNUAL RP_H30 House 30 650902 4076062 0.00315 215.24 0 ANNUAL RP_H31 House 31 651490 4076597 0.00127 205.5 0 ANNUAL RP_H32 House 32 651565 4077067 0.00087 213.93 0 ANNUAL RP_H33 House 33	647886.5	4076593	0.00022	169.05	0	ANNUAL	RP_H26	House 26	
648225.5 4076182 0.00028 183.22 0 ANNUAL RP_H29 House 29 647678.2 4075969 0.00019 159.5 0 ANNUAL RP_H3 House 3 645876.3 4077487 0.00025 127.13 0 ANNUAL RP_H30 House 30 650902 4076062 0.00315 215.24 0 ANNUAL RP_H31 House 31 651490 4076597 0.00127 205.5 0 ANNUAL RP_H32 House 32 651565 4077067 0.00087 213.93 0 ANNUAL RP_H33 House 33	647810.1	4076854	0.00029	162.9	0	ANNUAL	RP_H27	House 27	
647678.2 4075969 0.00019 159.5 0 ANNUAL RP_H3 House 3 645876.3 4077487 0.00025 127.13 0 ANNUAL RP_H30 House 30 650902 4076062 0.00315 215.24 0 ANNUAL RP_H31 House 31 651490 4076597 0.00127 205.5 0 ANNUAL RP_H32 House 32 651565 4077067 0.00087 213.93 0 ANNUAL RP_H33 House 33	647697.5	4076989	0.00035	161.42	0	ANNUAL	RP_H28	House 28	
645876.3 4077487 0.00025 127.13 0 ANNUAL RP_H30 House 30 650902 4076062 0.00315 215.24 0 ANNUAL RP_H31 House 31 651490 4076597 0.00127 205.5 0 ANNUAL RP_H32 House 32 651565 4077067 0.00087 213.93 0 ANNUAL RP_H33 House 33	648225.5	4076182	0.00028	183.22	0	ANNUAL	RP_H29	House 29	
650902 4076062 0.00315 215.24 0 ANNUAL RP_H31 House 31 651490 4076597 0.00127 205.5 0 ANNUAL RP_H32 House 32 651565 4077067 0.00087 213.93 0 ANNUAL RP_H33 House 33	647678.2	4075969	0.00019	159.5	0	ANNUAL	RP_H3	House 3	
651490 4076597 0.00127 205.5 0 ANNUAL RP_H32 House 32 651565 4077067 0.00087 213.93 0 ANNUAL RP_H33 House 33	645876.3	4077487	0.00025	127.13	0	ANNUAL	RP_H30	House 30	
651565 4077067 0.00087 213.93 0 ANNUAL RP_H33 House 33	650902	4076062	0.00315	215.24	0	ANNUAL	RP_H31	House 31	
-	651490	4076597	0.00127	205.5	0	ANNUAL	RP_H32	House 32	
648672.8 4075307 0.00029 225.91 0 ANNUAL RP H34 House 34	651565	4077067	0.00087	213.93	0	ANNUAL	RP_H33	House 33	
	648672.8	4075307	0.00029	225.91	0	ANNUAL	RP_H34	House 34	

10/01/21

* AERMET (19191): 2019

12:17:45

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 294 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648383.6	4075469	0.00019	174.44	0	ANNUAL	RP_H35	House 35
646379.4	4077233	0.00023	146	0	ANNUAL	RP_H36	House 36
651849.7	4075865	0.0019	201.97	0	ANNUAL	RP_H37	House 37
652045.5	4076210	0.00139	196.88	0	ANNUAL	RP_H38	House 38
652255.7	4076391	0.00116	197.06	0	ANNUAL	RP_H39	House 39
647815.3	4075985	0.0002	162.04	0	ANNUAL	RP_H4	House 4
646853.7	4077373	0.00037	145.99	0	ANNUAL	RP_H40	House 40
647050.2	4077360	0.00042	145	0	ANNUAL	RP_H41	House 41
647286.4	4077474	0.00067	149.68	0	ANNUAL	RP_H42	House 42
647359.1	4077340	0.00054	154.45	0	ANNUAL	RP_H43	House 43
647490.4	4077329	0.00062	162.28	0	ANNUAL	RP_H44	House 44
647522.2	4077252	0.00054	164.3	0	ANNUAL	RP_H45	House 45
647517.8	4077139	0.00041	164.01	0	ANNUAL	RP_H46	House 46
646819	4077258	0.0003	151.53	0	ANNUAL	RP_H47	House 47
646778.7	4077128	0.00024	158.51	0	ANNUAL	RP_H48	House 48
646987.3	4077213	0.00031	146.44	0	ANNUAL	RP_H49	House 49
647898.2	4076033	0.00021	163.83	0	ANNUAL	RP_H5	House 5
647241.8	4077227	0.00038	154.85	0	ANNUAL	RP_H50	House 50
646773.1	4077063	0.00022	159	0	ANNUAL	RP_H51	House 51
647104.4	4077118	0.00028	148.99	0	ANNUAL	RP_H52	House 52
647291.9	4077123	0.00032	158.62	0	ANNUAL	RP_H53	House 53
646765.2	4076978	0.0002	158.67	0	ANNUAL	RP_H54	House 54
646995.7	4076984	0.00022	152.34	0	ANNUAL	RP_H55	House 55
647317.2	4077031	0.00028	160.22	0	ANNUAL	RP_H56	House 56
647398.4	4077013	0.00029	161.26	0	ANNUAL	RP_H57	House 57
646978.9	4076904	0.00019	156.81	0	ANNUAL	RP_H58	House 58
647015.2	4076807	0.00017	156.21	0	ANNUAL	RP_H59	House 59
648045.4	4076018	0.00023	168.26	0	ANNUAL	RP_H6	House 6
647164	4076802	0.00018	154.38	0	ANNUAL	RP_H60	House 60
647310.6	4076940	0.00024	162.49	0	ANNUAL	RP_H61	House 61
647298.1	4076805	0.0002	158	0	ANNUAL	RP_H62	House 62
647446.6	4076900	0.00024	159.45	0	ANNUAL	RP_H63	House 63

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* AERMET (19191): 2019

12:17:45

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 294 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
647464.5	4076781	0.00021	159.32	0	ANNUAL	RP_H64	House 64
647512	4076536	0.00017	159	0	ANNUAL	RP_H65	House 65
651131	4078767	0.00014	179.58	0	ANNUAL	RP_H66	House 66
648126.3	4075955	0.00023	171.51	0	ANNUAL	RP_H7	House 7
648249.3	4075970	0.00025	183.42	0	ANNUAL	RP_H8	House 8
648218.6	4076109	0.00027	182.28	0	ANNUAL	RP_H9	House 9

0.27

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* AERMET (21112): 2020

12:18:37

- PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 294 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
645996	4078698	0.00072	123.85	1.5	ANNUAL	AQ_ST_1	AQ Monitoring Station	
643903.7	4077719	0.0002	105.68	1.5	ANNUAL	CR_HP_1	Hazel Hawkins Memorial Hospital	
642056.8	4079416	0.00027	85.12	1.5	ANNUAL	CR_PK_1	Dunne Park	
642179.1	4079950	0.00035	117.99	1.5	ANNUAL	CR_PK_2	Vista Park Hill Park	1
644733.1	4078753	0.00042	106.44	1.5	ANNUAL	CR_PK_3	Las Brisas Park	
645608.8	4078854	0.00066	112.86	1.5	ANNUAL	CR_PK_4	Frank Klauer Memorial Park	
644238.1	4078807	0.00035	95.25	1.5	ANNUAL	CR_PK_5	Veterans Memorial Park	
645311.5	4076559	0.00016	134.61	1.5	ANNUAL	CR_PK_6	Park 6	
649581.7	4073424	0.00074	159.96	1.5	ANNUAL	CR_PK_7	Park 7	
645145.1	4077181	0.0002	133	1.5	ANNUAL	CR_SC_1	Cerra Vista Elem School	
642904.7	4079955	0.00043	86	1.5	ANNUAL	CR_SC_10	San Andreas Continuation	
645850.7	4074015	0.00013	123	1.5	ANNUAL	CR_SC_11	SouthSide School	
642105.7	4078176	0.00018	91	1.5	ANNUAL	CR_SC_12	School 12	
646058.9	4078443	0.00064	128.52	1.5	ANNUAL	CR_SC_13	Rancho Santana School	School
647269	4075575	0.00017	158	1.5	ANNUAL	CR_SC_14	Future School	School 2
644109.6	4078389	0.00027	98.2	1.5	ANNUAL	CR_SC_2	Sunnyslope Elem School	
643920.1	4077304	0.00018	101.23	1.5	ANNUAL	CR_SC_3	Hollister Montessori School	
642961.1	4078621	0.00024	92	1.5	ANNUAL	CR_SC_4	Rancho San Justo Middle School	
643980	4079743	0.00055	88	1.5	ANNUAL	CR_SC_5	Marguerite Maze Middle School	
641630.2	4079153	0.00023	85	1.5	ANNUAL	CR_SC_6	Hollister Prep Schoo	
643350	4077181	0.00018	98.22	1.5	ANNUAL	CR_SC_7	Ladd Lane Elementary School	
644003	4080079	0.00063	87	1.5	ANNUAL	CR_SC_8	Gabilan Hills Elementary School	
642244.9	4078413	0.00019	90.17	1.5	ANNUAL	CR_SC_9	San Benito High School	
642083.4	4079794	0.00031	87.58	1.5	ANNUAL	CR_SR_1	Jovenes De Antano	
646402	4076879	0.00021	146.33	1.5	ANNUAL	CR_WP_1	Workplace	
648949	4077938	0.0007	189.45	1.5	ANNUAL	CR_WP_2	Nearest Workplace	MEIW
647744	4079173	0.00108	155.2	1.5	ANNUAL	G1	Grid Receptor 1	
647744	4075573	0.00021	160	1.5	ANNUAL	G10	Grid Receptor 10	
651344	4075573	0.00415	252.9	1.5	ANNUAL	G100	Grid Receptor 100	
648144	4079173	0.0007	165.9	1.5	ANNUAL	G11	Grid Receptor 11	
648144	4078773	0.00097	159.6	1.5	ANNUAL	G12	Grid Receptor 12	
648144	4078373	0.00139	146.2	1.5	ANNUAL	G13	Grid Receptor 13	

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* AERMET (21112): 2020

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 294 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648144	4077973	0.00184	158.3	1.5	ANNUAL	G14	Grid Receptor 14
648144	4077573	0.00177	166.6	1.5	ANNUAL	G15	Grid Receptor 15
648144	4077173	0.00102	175.4	1.5	ANNUAL	G16	Grid Receptor 16
648144	4076773	0.00049	177.1	1.5	ANNUAL	G17	Grid Receptor 17
648144	4076373	0.00034	178	1.5	ANNUAL	G18	Grid Receptor 18
648144	4075973	0.00029	173	1.5	ANNUAL	G19	Grid Receptor 19
647744	4078773	0.00137	145.4	1.5	ANNUAL	G2	Grid Receptor 2
648144	4075573	0.00027	168.8	1.5	ANNUAL	G20	Grid Receptor 20
648544	4079173	0.00045	173.5	1.5	ANNUAL	G21	Grid Receptor 21
648544	4078773	0.00057	166.2	1.5	ANNUAL	G22	Grid Receptor 22
648544	4078373	0.00078	145.4	1.5	ANNUAL	G23	Grid Receptor 23
648544	4077973	0.00136	173.9	1.5	ANNUAL	G24	Grid Receptor 24
648544	4077573	0.00244	179.6	1.5	ANNUAL	G25	Grid Receptor 25
648544	4077173	0.00261	191	1.5	ANNUAL	G26	Grid Receptor 26
648544	4076773	0.00109	209.2	1.5	ANNUAL	G27	Grid Receptor 27
648544	4076373	0.00077	233.7	1.5	ANNUAL	G28	Grid Receptor 28
648544	4075973	0.00046	199.9	1.5	ANNUAL	G29	Grid Receptor 29
647744	4078373	0.00158	144.4	1.5	ANNUAL	G3	Grid Receptor 3
648544	4075573	0.00036	195.5	1.5	ANNUAL	G30	Grid Receptor 30
648944	4079173	0.0003	190.4	1.5	ANNUAL	G31	Grid Receptor 31
648944	4078773	0.00034	165.4	1.5	ANNUAL	G32	Grid Receptor 32
648944	4078373	0.00044	159.6	1.5	ANNUAL	G33	Grid Receptor 33
648944	4077973	0.00067	183.5	1.5	ANNUAL	G34	Grid Receptor 34
648944	4077573	0.00135	224	1.5	ANNUAL	G35	Grid Receptor 35
648944	4077173	0.0036	194.7	1.5	ANNUAL	G36	Grid Receptor 36
648944	4076773	0.0046	193	1.5	ANNUAL	G37	Grid Receptor 37
648944	4076373	0.00139	205	1.5	ANNUAL	G38	Grid Receptor 38
648944	4075973	0.00082	208.8	1.5	ANNUAL	G39	Grid Receptor 39
647744	4077973	0.00146	134.6	1.5	ANNUAL	G4	Grid Receptor 4
648944	4075573	0.00048	185.6	1.5	ANNUAL	G40	Grid Receptor 40
649344	4079173	0.00022	187.4	1.5	ANNUAL	G41	Grid Receptor 41
649344	4078773	0.00024	160.9	1.5	ANNUAL	G42	Grid Receptor 42

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* AERMET (21112): 2020

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 294 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
649344	4078373	0.0003	200.5	1.5	ANNUAL	G43	Grid Receptor 43
649344	4077973	0.00045	229	1.5	ANNUAL	G44	Grid Receptor 44
649344	4077573	0.00259	253.3	1.5	ANNUAL	G45	Grid Receptor 45
649344	4077173	0.00102	213.4	1.5	ANNUAL	G46	Grid Receptor 46
649344	4076773	0.00294	211.3	1.5	ANNUAL	G47	Grid Receptor 47
649344	4076373	0.01325	220.2	1.5	ANNUAL	G48	Grid Receptor 48
649344	4075973	0.00247	227.2	1.5	ANNUAL	G49	Grid Receptor 49
647744	4077573	0.00101	163.8	1.5	ANNUAL	G5	Grid Receptor 5
649344	4075573	0.0011	205.5	1.5	ANNUAL	G50	Grid Receptor 50
649744	4079173	0.0002	176.1	1.5	ANNUAL	G51	Grid Receptor 51
649744	4078773	0.00023	195	1.5	ANNUAL	G52	Grid Receptor 52
649744	4078373	0.00025	196.1	1.5	ANNUAL	G53	Grid Receptor 53
649744	4077973	0.0003	215.3	1.5	ANNUAL	G54	Grid Receptor 54
649744	4077573	0.00039	221.6	1.5	ANNUAL	G55	Grid Receptor 55
649744	4077173	0.00102	240.4	1.5	ANNUAL	G56	Grid Receptor 56
649744	4076773	0.00262	242.7	1.5	ANNUAL	G57	Grid Receptor 57
649744	4076373	0.01567	211.7	1.5	ANNUAL	G58	Grid Receptor 58
649744	4075973	0.01342	237.7	1.5	ANNUAL	G59	Grid Receptor 59
647744	4077173	0.00057	158.4	1.5	ANNUAL	G6	Grid Receptor 6
649744	4075573	0.00313	204.2	1.5	ANNUAL	G60	Grid Receptor 60
650144	4079173	0.00018	173	1.5	ANNUAL	G61	Grid Receptor 61
650144	4078773	0.00019	171	1.5	ANNUAL	G62	Grid Receptor 62
650144	4078373	0.00021	204.6	1.5	ANNUAL	G63	Grid Receptor 63
650144	4077973	0.00024	216.5	1.5	ANNUAL	G64	Grid Receptor 64
650144	4077573	0.00137	257.7	1.5	ANNUAL	G65	Grid Receptor 65
650144	4077173	0.00081	245.8	1.5	ANNUAL	G66	Grid Receptor 66
650144	4076773	0.00134	223.3	1.5	ANNUAL	G67	Grid Receptor 67
650144	4076373	0.0053	231.4	1.5	ANNUAL	G68	Grid Receptor 68
650144	4075973	0.01201	249.4	1.5	ANNUAL	G69	Grid Receptor 69
647744	4076773	0.00034	164.7	1.5	ANNUAL	G7	Grid Receptor 7
650144	4075573	0.00549	216.4	1.5	ANNUAL	G70	Grid Receptor 70
650544	4079173	0.00016	177	1.5	ANNUAL	G71	Grid Receptor 71

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* AERMET (21112): 2020

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 294 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
650544	4078773	0.00016	180.9	1.5	ANNUAL	G72	Grid Receptor 72
650544	4078373	0.00017	196.6	1.5	ANNUAL	G73	Grid Receptor 73
650544	4077973	0.00031	236.9	1.5	ANNUAL	G74	Grid Receptor 74
650544	4077573	0.00105	261.3	1.5	ANNUAL	G75	Grid Receptor 75
650544	4077173	0.00167	259.2	1.5	ANNUAL	G76	Grid Receptor 76
650544	4076773	0.00151	234.2	1.5	ANNUAL	G77	Grid Receptor 77
650544	4076373	0.00711	260.9	1.5	ANNUAL	G78	Grid Receptor 78
650544	4075973	0.00423	226.7	1.5	ANNUAL	G79	Grid Receptor 79
647744	4076373	0.00025	164	1.5	ANNUAL	G8	Grid Receptor 8
650544	4075573	0.01054	268.2	1.5	ANNUAL	G80	Grid Receptor 80
650944	4079173	0.00013	181.3	1.5	ANNUAL	G81	Grid Receptor 81
650944	4078773	0.00014	178.4	1.5	ANNUAL	G82	Grid Receptor 82
650944	4078373	0.00017	214.8	1.5	ANNUAL	G83	Grid Receptor 83
650944	4077973	0.00062	249.9	1.5	ANNUAL	G84	Grid Receptor 84
650944	4077573	0.00095	276.5	1.5	ANNUAL	G85	Grid Receptor 85
650944	4077173	0.0006	225.6	1.5	ANNUAL	G86	Grid Receptor 86
650944	4076773	0.0011	219.8	1.5	ANNUAL	G87	Grid Receptor 87
650944	4076373	0.00198	209.2	1.5	ANNUAL	G88	Grid Receptor 88
650944	4075973	0.00267	216.6	1.5	ANNUAL	G89	Grid Receptor 89
647744	4075973	0.00021	160.7	1.5	ANNUAL	G9	Grid Receptor 9
650944	4075573	0.00455	243.2	1.5	ANNUAL	G90	Grid Receptor 90
651344	4079173	0.00012	191	1.5	ANNUAL	G91	Grid Receptor 91
651344	4078773	0.00014	181	1.5	ANNUAL	G92	Grid Receptor 92
651344	4078373	0.0002	214.3	1.5	ANNUAL	G93	Grid Receptor 93
651344	4077973	0.00041	248.4	1.5	ANNUAL	G94	Grid Receptor 94
651344	4077573	0.00038	213.2	1.5	ANNUAL	G95	Grid Receptor 95
651344	4077173	0.00061	213.6	1.5	ANNUAL	G96	Grid Receptor 96
651344	4076773	0.00098	203.5	1.5	ANNUAL	G97	Grid Receptor 97
651344	4076373	0.00156	205.6	1.5	ANNUAL	G98	Grid Receptor 98
651344	4075973	0.002	205.8	1.5	ANNUAL	G99	Grid Receptor 99
648584.2	4077523	0.00258	183.61	1.5	ANNUAL	P1	Boundary Perimeter 1
649484.1	4077537	0.00194	254.01	1.5	ANNUAL	P10	Boundary Perimeter 10

* AERMET (21112): 2020

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

FOR A TOTAL OF 294 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
649584	4077539	0.00057	235.3	1.5	ANNUAL	P11	Boundary Perimeter 11
649684	4077540	0.00042	221.29	1.5	ANNUAL	P12	Boundary Perimeter 12
649784	4077541	0.00039	222.37	1.5	ANNUAL	P13	Boundary Perimeter 13
649884	4077542	0.00046	233.6	1.5	ANNUAL	P14	Boundary Perimeter 14
649984	4077543	0.00117	249.54	1.5	ANNUAL	P15	Boundary Perimeter 15
650083.9	4077546	0.00164	258.89	1.5	ANNUAL	P16	Boundary Perimeter 16
650183.9	4077548	0.00136	259.56	1.5	ANNUAL	P17	Boundary Perimeter 17
650283.9	4077550	0.0012	256.77	1.5	ANNUAL	P18	Boundary Perimeter 18
650383.8	4077552	0.00056	242.37	1.5	ANNUAL	P19	Boundary Perimeter 19
648684.2	4077525	0.00247	197.16	1.5	ANNUAL	P2	Boundary Perimeter 2
650483.8	4077554	0.00053	242.23	1.5	ANNUAL	P20	Boundary Perimeter 20
650583.8	4077557	0.0009	259.71	1.5	ANNUAL	P21	Boundary Perimeter 21
650683.8	4077559	0.00074	257.58	1.5	ANNUAL	P22	Boundary Perimeter 22
650776.8	4077554	0.00091	267.9	1.5	ANNUAL	P23	Boundary Perimeter 23
650778.9	4077454	0.00106	275.91	1.5	ANNUAL	P24	Boundary Perimeter 24
650781	4077354	0.00137	265.73	1.5	ANNUAL	P25	Boundary Perimeter 25
650783.1	4077254	0.00113	251.08	1.5	ANNUAL	P26	Boundary Perimeter 26
650785.2	4077154	0.00143	252.83	1.5	ANNUAL	P27	Boundary Perimeter 27
650787.3	4077054	0.00131	246.1	1.5	ANNUAL	P28	Boundary Perimeter 28
650789.4	4076954	0.00133	241.37	1.5	ANNUAL	P29	Boundary Perimeter 29
648784.2	4077527	0.00218	209.74	1.5	ANNUAL	P3	Boundary Perimeter 3
650791.5	4076854	0.00198	246.79	1.5	ANNUAL	P30	Boundary Perimeter 30
650793.6	4076754	0.00129	228.75	1.5	ANNUAL	P31	Boundary Perimeter 31
650754.4	4076683	0.00136	217.76	1.5	ANNUAL	P32	Boundary Perimeter 32
650660.2	4076650	0.00154	221.2	1.5	ANNUAL	P33	Boundary Perimeter 33
650561.4	4076650	0.00161	220.83	1.5	ANNUAL	P34	Boundary Perimeter 34
650462.7	4076666	0.00165	223.42	1.5	ANNUAL	P35	Boundary Perimeter 35
650364	4076682	0.00163	222.46	1.5	ANNUAL	P36	Boundary Perimeter 36
650264.2	4076683	0.00172	223.19	1.5	ANNUAL	P37	Boundary Perimeter 37
650164.7	4076674	0.00186	222.1	1.5	ANNUAL	P38	Boundary Perimeter 38
650065.8	4076660	0.00206	217.03	1.5	ANNUAL	P39	Boundary Perimeter 39
648884.2	4077529	0.00165	214.25	1.5	ANNUAL	P4	Boundary Perimeter 4

10/01/21

* AERMET (21112): 2020

12:18:37

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 294 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
649980.4	4076627	0.00258	214.82	1.5	ANNUAL	P40	Boundary Perimeter 40
649920.3	4076547	0.00423	214.91	1.5	ANNUAL	P41	Boundary Perimeter 41
649852.2	4076474	0.00704	214.09	1.5	ANNUAL	P42	Boundary Perimeter 42
649770.7	4076417	0.01201	211.53	1.5	ANNUAL	P43	Boundary Perimeter 43
649680.5	4076375	0.02031	210.17	1.5	ANNUAL	P44	Boundary Perimeter 44
649580.9	4076368	0.0303	208.52	1.5	ANNUAL	P45	Boundary Perimeter 45
649482.5	4076384	0.03811	207.5	1.5	ANNUAL	P46	Boundary Perimeter 46
649391.6	4076425	0.02996	205.17	1.5	ANNUAL	P47	Boundary Perimeter 47
649303.5	4076472	0.00434	202.16	1.5	ANNUAL	P48	Boundary Perimeter 48
649226.2	4076535	0.00196	196.38	1.5	ANNUAL	P49	Boundary Perimeter 49
648984.1	4077530	0.0013	221.41	1.5	ANNUAL	P5	Boundary Perimeter 5
649156.2	4076605	0.00449	195.87	1.5	ANNUAL	P50	Boundary Perimeter 50
649068.3	4076653	0.00462	196.32	1.5	ANNUAL	P51	Boundary Perimeter 51
648986.7	4076711	0.00415	192.42	1.5	ANNUAL	P52	Boundary Perimeter 52
648936.5	4076759	0.00407	192.46	1.5	ANNUAL	P53	Boundary Perimeter 53
648868.6	4076833	0.00391	191.63	1.5	ANNUAL	P54	Boundary Perimeter 54
648797.2	4076902	0.00346	186.32	1.5	ANNUAL	P55	Boundary Perimeter 55
648710.6	4076952	0.00271	179.81	1.5	ANNUAL	P56	Boundary Perimeter 56
648620.8	4076996	0.00218	176.23	1.5	ANNUAL	P57	Boundary Perimeter 57
648607.2	4077051	0.00238	175.02	1.5	ANNUAL	P58	Boundary Perimeter 58
648680.1	4077119	0.00337	180.62	1.5	ANNUAL	P59	Boundary Perimeter 59
649084.1	4077532	0.00099	216.54	1.5	ANNUAL	P6	Boundary Perimeter 6
648759.2	4077180	0.0039	183.47	1.5	ANNUAL	P60	Boundary Perimeter 60
648791.4	4077262	0.00379	202.88	1.5	ANNUAL	P61	Boundary Perimeter 61
648788.5	4077362	0.00277	178.21	1.5	ANNUAL	P62	Boundary Perimeter 62
648691.3	4077361	0.00301	176.25	1.5	ANNUAL	P63	Boundary Perimeter 63
648591.4	4077357	0.00293	176	1.5	ANNUAL	P64	Boundary Perimeter 64
648525.7	4077371	0.00273	175.24	1.5	ANNUAL	P65	Boundary Perimeter 65
648586.9	4077430	0.00278	175.13	1.5	ANNUAL	P66	Boundary Perimeter 66
649184.1	4077534	0.00091	230.71	1.5	ANNUAL	P7	Boundary Perimeter 7
649284.1	4077535	0.00195	248.08	1.5	ANNUAL	P8	Boundary Perimeter 8
649384.1	4077536	0.00336	258.43	1.5	ANNUAL	P9	Boundary Perimeter 9

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10/01/21

* AERMET (21112): 2020

12:18:37

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 294 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
645930	4077983	0.00039	127.38	1.5	ANNUAL	RP_G1	New Development
645930	4078083	0.00043	127.58	1.5	ANNUAL	RP_G10	New Development
646030	4078083	0.00046	130.56	1.5	ANNUAL	RP_G11	New Development
646130	4078083	0.00049	134.35	1.5	ANNUAL	RP_G12	New Development
646230	4078083	0.00052	139.22	1.5	ANNUAL	RP_G13	New Development
646330	4078083	0.00056	144.65	1.5	ANNUAL	RP_G14	New Development
646430	4078083	0.00059	142.28	1.5	ANNUAL	RP_G15	New Development
646530	4078083	0.00063	146.76	1.5	ANNUAL	RP_G16	New Development
646630	4078083	0.00067	150.64	1.5	ANNUAL	RP_G17	New Development
646730	4078083	0.00072	155.4	1.5	ANNUAL	RP_G18	New Development
645930	4078183	0.00048	127.22	1.5	ANNUAL	RP_G19	New Development
646030	4077983	0.00042	131.21	1.5	ANNUAL	RP_G2	New Development
646030	4078183	0.00051	130.56	1.5	ANNUAL	RP_G20	New Development
646130	4078183	0.00054	133.89	1.5	ANNUAL	RP_G21	New Development
646230	4078183	0.00058	140.45	1.5	ANNUAL	RP_G22	New Development
646330	4078183	0.00061	146.94	1.5	ANNUAL	RP_G23	New Development
646430	4078183	0.00064	140.23	1.5	ANNUAL	RP_G24	New Development
646530	4078183	0.00068	147.25	1.5	ANNUAL	RP_G25	New Development
646630	4078183	0.00073	151.56	1.5	ANNUAL	RP_G26	New Development
646730	4078183	0.00077	157.78	1.5	ANNUAL	RP_G27	New Development
645930	4078283	0.00053	126.06	1.5	ANNUAL	RP_G28	New Development
646030	4078283	0.00056	129.56	1.5	ANNUAL	RP_G29	New Development
646130	4077983	0.00044	135.89	1.5	ANNUAL	RP_G3	New Development
646130	4078283	0.00059	132.89	1.5	ANNUAL	RP_G30	New Development
646230	4078283	0.00062	139.24	1.5	ANNUAL	RP_G31	New Development
646330	4078283	0.00066	142.68	1.5	ANNUAL	RP_G32	New Development
646430	4078283	0.00069	140.02	1.5	ANNUAL	RP_G33	New Development
646530	4078283	0.00073	147.22	1.5	ANNUAL	RP_G34	New Development
646630	4078283	0.00078	151.56	1.5	ANNUAL	RP_G35	New Development
646730	4078283	0.00083	156.78	1.5	ANNUAL	RP_G36	New Development
646230	4077983	0.00047	139.18	1.5	ANNUAL	RP_G4	New Development
646330	4077983	0.0005	140.76	1.5	ANNUAL	RP_G5	New Development

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* AERMET (21112): 2020

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
646430	4077983	0.00054	143.89	1.5	ANNUAL	RP_G6	New Development
646530	4077983	0.00058	145.22	1.5	ANNUAL	RP_G7	New Development
646630	4077983	0.00061	147.21	1.5	ANNUAL	RP_G8	New Development
646730	4077983	0.00066	148.3	1.5	ANNUAL	RP_G9	New Development
648659.3	4077241	0.00374	205.79	1.5	ANNUAL	RP_H1	House 1
648071.2	4076116	0.00028	169.6	1.5	ANNUAL	RP_H10	House 10
648247.4	4076278	0.00036	184.55	1.5	ANNUAL	RP_H11	House 11
648027.2	4076255	0.00028	169.38	1.5	ANNUAL	RP_H12	House 12
648065.8	4076359	0.00031	173.83	1.5	ANNUAL	RP_H13	House 13
648138.7	4076400	0.00034	178.22	1.5	ANNUAL	RP_H14	House 14
648254.7	4076411	0.0004	191.28	1.5	ANNUAL	RP_H15	House 15
647877.8	4076365	0.00027	165.39	1.5	ANNUAL	RP_H16	House 16
647866.6	4076240	0.00025	163.13	1.5	ANNUAL	RP_H17	House 17
647921	4076247	0.00026	164	1.5	ANNUAL	RP_H18	House 18
647708.8	4076352	0.00024	163.52	1.5	ANNUAL	RP_H19	House 19
648371.7	4075470	0.00029	173.69	1.5	ANNUAL	RP_H2	House 2
647703.6	4076251	0.00023	162.17	1.5	ANNUAL	RP_H20	House 20
647718.8	4076104	0.00021	159.35	1.5	ANNUAL	RP_H21	House 21
647843.3	4076125	0.00023	163	1.5	ANNUAL	RP_H22	House 22
647842.3	4076500	0.00029	167.93	1.5	ANNUAL	RP_H23	House 23
647727.8	4076644	0.0003	164.15	1.5	ANNUAL	RP_H24	House 24
647823.9	4076644	0.00032	168.29	1.5	ANNUAL	RP_H25	House 25
647886.5	4076593	0.00032	169.05	1.5	ANNUAL	RP_H26	House 26
647810.1	4076854	0.00039	162.9	1.5	ANNUAL	RP_H27	House 27
647697.5	4076989	0.00042	161.42	1.5	ANNUAL	RP_H28	House 28
648225.5	4076182	0.00033	183.22	1.5	ANNUAL	RP_H29	House 29
647678.2	4075969	0.0002	159.5	1.5	ANNUAL	RP_H3	House 3
645876.3	4077487	0.00026	127.13	1.5	ANNUAL	RP_H30	House 30
650902	4076062	0.00261	215.24	1.5	ANNUAL	RP_H31	House 31
651490	4076597	0.00122	205.5	1.5	ANNUAL	RP_H32	House 32
651565	4077067	0.0007	213.93	1.5	ANNUAL	RP_H33	House 33
648672.8	4075307	0.0004	225.91	1.5	ANNUAL	RP_H34	House 34

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648383.6	4075469	0.00029	174.44	1.5	ANNUAL	RP_H35	House 35
646379.4	4077233	0.00026	146	1.5	ANNUAL	RP_H36	House 36
651849.7	4075865	0.00163	201.97	1.5	ANNUAL	RP_H37	House 37
652045.5	4076210	0.00126	196.88	1.5	ANNUAL	RP_H38	House 38
652255.7	4076391	0.0011	197.06	1.5	ANNUAL	RP_H39	House 39
647815.3	4075985	0.00022	162.04	1.5	ANNUAL	RP_H4	House 4
646853.7	4077373	0.00036	145.99	1.5	ANNUAL	RP_H40	House 40
647050.2	4077360	0.0004	145	1.5	ANNUAL	RP_H41	House 41
647286.4	4077474	0.00056	149.68	1.5	ANNUAL	RP_H42	House 42
647359.1	4077340	0.0005	154.45	1.5	ANNUAL	RP_H43	House 43
647490.4	4077329	0.00056	162.28	1.5	ANNUAL	RP_H44	House 44
647522.2	4077252	0.00051	164.3	1.5	ANNUAL	RP_H45	House 45
647517.8	4077139	0.00044	164.01	1.5	ANNUAL	RP_H46	House 46
646819	4077258	0.00032	151.53	1.5	ANNUAL	RP_H47	House 47
646778.7	4077128	0.00028	158.51	1.5	ANNUAL	RP_H48	House 48
646987.3	4077213	0.00033	146.44	1.5	ANNUAL	RP_H49	House 49
647898.2	4076033	0.00024	163.83	1.5	ANNUAL	RP_H5	House 5
647241.8	4077227	0.00039	154.85	1.5	ANNUAL	RP_H50	House 50
646773.1	4077063	0.00027	159	1.5	ANNUAL	RP_H51	House 51
647104.4	4077118	0.00032	148.99	1.5	ANNUAL	RP_H52	House 52
647291.9	4077123	0.00036	158.62	1.5	ANNUAL	RP_H53	House 53
646765.2	4076978	0.00025	158.67	1.5	ANNUAL	RP_H54	House 54
646995.7	4076984	0.00027	152.34	1.5	ANNUAL	RP_H55	House 55
647317.2	4077031	0.00033	160.22	1.5	ANNUAL	RP_H56	House 56
647398.4	4077013	0.00034	161.26	1.5	ANNUAL	RP_H57	House 57
646978.9	4076904	0.00026	156.81	1.5	ANNUAL	RP_H58	House 58
647015.2	4076807	0.00024	156.21	1.5	ANNUAL	RP_H59	House 59
648045.4	4076018	0.00026	168.26	1.5	ANNUAL	RP_H6	House 6
647164	4076802	0.00025	154.38	1.5	ANNUAL	RP_H60	House 60
647310.6	4076940	0.00031	162.49	1.5	ANNUAL	RP_H61	House 61
647298.1	4076805	0.00027	158	1.5	ANNUAL	RP_H62	House 62
647446.6	4076900	0.00032	159.45	1.5	ANNUAL	RP_H63	House 63

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
647464.5	4076781	0.00029	159.32	1.5	ANNUAL	RP_H64	House 64
647512	4076536	0.00025	159	1.5	ANNUAL	RP_H65	House 65
651131	4078767	0.00013	179.58	1.5	ANNUAL	RP_H66	House 66
648126.3	4075955	0.00028	171.51	1.5	ANNUAL	RP_H7	House 7
648249.3	4075970	0.00032	183.42	1.5	ANNUAL	RP_H8	House 8
648218.6	4076109	0.00032	182.28	1.5	ANNUAL	RP_H9	House 9

* AERMOD (19191): Appendix B Attachment

10/05/21

* AERMET (21112): John Smith Road DPM Grnd 2018

15:31:43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
645996	4078698	0.10417	123.85	0	ANNUAL	AQ_ST_1	AQ Monitoring Station	
643903.7	4077719	0.03515	105.68	0	ANNUAL	CR_HP_1	Hazel Hawkins Memorial Hospital	
642056.8	4079416	0.02005	85.12	0	ANNUAL	CR_PK_1	Dunne Park	
642179.1	4079950	0.02048	117.99	0	ANNUAL	CR_PK_2	Vista Park Hill Park	
644733.1	4078753	0.06192	106.44	0	ANNUAL	CR_PK_3	Las Brisas Park	
645608.8	4078854	0.08217	112.86	0	ANNUAL	CR_PK_4	Frank Klauer Memorial Park	
644238.1	4078807	0.04588	95.25	0	ANNUAL	CR_PK_5	Veterans Memorial Park	
645311.5	4076559	0.04680	134.61	0	ANNUAL	CR_PK_6	Park 6	
649581.7	4073424	0.03264	159.96	0	ANNUAL	CR_PK_7	Park 7	
645145.1	4077181	0.07226	133	0	ANNUAL	CR_SC_1	Cerra Vista Elem School	
642904.7	4079955	0.02149	86	0	ANNUAL	CR_SC_10	San Andreas Continuation	
645850.7	4074015	0.01606	123	0	ANNUAL	CR_SC_11	SouthSide School	
642105.7	4078176	0.01730	91	0	ANNUAL	CR_SC_12	School 12	
646058.9	4078443	0.13956	128.52	0	ANNUAL	CR_SC_13	Rancho Santana School	School 1
647269	4075575	0.07199	158	0	ANNUAL	CR_SC_14	Future School	School 2
648466	4074106	0.04207	159	0	ANNUAL	CR_SC_15	Tres Pinos Union Elementary School	
644109.6	4078389	0.04932	98.2	0	ANNUAL	CR_SC_2	Sunnyslope Elem School	
643920.1	4077304	0.03058	101.23	0	ANNUAL	CR_SC_3	Hollister Montessori School	
642961.1	4078621	0.02888	92	0	ANNUAL	CR_SC_4	Rancho San Justo Middle School	
643980	4079743	0.03253	88	0	ANNUAL	CR_SC_5	Marguerite Maze Middle School	
641630.2	4079153	0.01817	85	0	ANNUAL	CR_SC_6	Hollister Prep Schoo	
643350	4077181	0.02265	98.22	0	ANNUAL	CR_SC_7	Ladd Lane Elementary School	
644003	4080079	0.03063	87	0	ANNUAL	CR_SC_8	Gabilan Hills Elementary School	
642244.9	4078413	0.02139	90.17	0	ANNUAL	CR_SC_9	San Benito High School	
642083.4	4079794	0.01861	87.58	0	ANNUAL	CR_SR_1	Jovenes De Antano	
646402	4076879	0.19749	146.33	0	ANNUAL	CR_WP_1	Workplace	MEIW
648949	4077938	0.04164	189.45	0	ANNUAL	CR_WP_2	Nearest Workplace	
647744	4079173	0.04108	155.2	0	ANNUAL	G1	Grid Receptor 1	
647744	4075573	0.09070	160	0	ANNUAL	G10	Grid Receptor 10	
651344	4075573	0.01029	252.9	0	ANNUAL	G100	Grid Receptor 100	
648144	4079173	0.03314	165.9	0	ANNUAL	G11	Grid Receptor 11	
648144	4078773	0.04949	159.6	0	ANNUAL	G12	Grid Receptor 12	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648144	4078373	0.07519	146.2	0	ANNUAL	G13	Grid Receptor 13
648144	4077973	0.12854	158.3	0	ANNUAL	G14	Grid Receptor 14
648144	4077573	0.28232	166.6	0	ANNUAL	G15	Grid Receptor 15
648144	4077173	0.73398	175.4	0	ANNUAL	G16	Grid Receptor 16
648144	4076773	0.52533	177.1	0	ANNUAL	G17	Grid Receptor 17
648144	4076373	0.19492	178	0	ANNUAL	G18	Grid Receptor 18
648144	4075973	0.13789	173	0	ANNUAL	G19	Grid Receptor 19
647744	4078773	0.06025	145.4	0	ANNUAL	G2	Grid Receptor 2
648144	4075573	0.10067	168.8	0	ANNUAL	G20	Grid Receptor 20
648544	4079173	0.02624	173.5	0	ANNUAL	G21	Grid Receptor 21
648544	4078773	0.04026	166.2	0	ANNUAL	G22	Grid Receptor 22
648544	4078373	0.06010	145.4	0	ANNUAL	G23	Grid Receptor 23
648544	4077973	0.07788	173.9	0	ANNUAL	G24	Grid Receptor 24
648544	4077573	0.12531	179.6	0	ANNUAL	G25	Grid Receptor 25
648544	4077173	0.24906	191	0	ANNUAL	G26	Grid Receptor 26
648544	4076773	0.17285	209.2	0	ANNUAL	G27	Grid Receptor 27
648544	4076373	0.06348	233.7	0	ANNUAL	G28	Grid Receptor 28
648544	4075973	0.06970	199.9	0	ANNUAL	G29	Grid Receptor 29
647744	4078373	0.09569	144.4	0	ANNUAL	G3	Grid Receptor 3
648544	4075573	0.05749	195.5	0	ANNUAL	G30	Grid Receptor 30
648944	4079173	0.01523	190.4	0	ANNUAL	G31	Grid Receptor 31
648944	4078773	0.03560	165.4	0	ANNUAL	G32	Grid Receptor 32
648944	4078373	0.04884	159.6	0	ANNUAL	G33	Grid Receptor 33
648944	4077973	0.04927	183.5	0	ANNUAL	G34	Grid Receptor 34
648944	4077573	0.02574	224	0	ANNUAL	G35	Grid Receptor 35
648944	4076373	0.09341	205	0	ANNUAL	G38	Grid Receptor 38
648944	4075973	0.06168	208.8	0	ANNUAL	G39	Grid Receptor 39
647744	4077973	0.16795	134.6	0	ANNUAL	G4	Grid Receptor 4
648944	4075573	0.08598	185.6	0	ANNUAL	G40	Grid Receptor 40
649344	4079173	0.01586	187.4	0	ANNUAL	G41	Grid Receptor 41
649344	4078773	0.03146	160.9	0	ANNUAL	G42	Grid Receptor 42
649344	4078373	0.01604	200.5	0	ANNUAL	G43	Grid Receptor 43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
649344	4077973	0.01313	229	0	ANNUAL	G44	Grid Receptor 44	
649344	4077573	0.01554	253.3	0	ANNUAL	G45	Grid Receptor 45	
649344	4076373	0.05119	220.2	0	ANNUAL	G48	Grid Receptor 48	
649344	4075973	0.03918	227.2	0	ANNUAL	G49	Grid Receptor 49	
647744	4077573	0.44717	163.8	0	ANNUAL	G5	Grid Receptor 5	
649344	4075573	0.04797	205.5	0	ANNUAL	G50	Grid Receptor 50	
649744	4079173	0.01900	176.1	0	ANNUAL	G51	Grid Receptor 51	
649744	4078773	0.01409	195	0	ANNUAL	G52	Grid Receptor 52	
649744	4078373	0.01829	196.1	0	ANNUAL	G53	Grid Receptor 53	
649744	4077973	0.01577	215.3	0	ANNUAL	G54	Grid Receptor 54	
649744	4077573	0.01830	221.6	0	ANNUAL	G55	Grid Receptor 55	
649744	4076373	0.04225	211.7	0	ANNUAL	G58	Grid Receptor 58	
649744	4075973	0.02627	237.7	0	ANNUAL	G59	Grid Receptor 59	
647744	4077173	3.44889	158.4	0	ANNUAL	G6	Grid Receptor 6	PMI
649744	4075573	0.04456	204.2	0	ANNUAL	G60	Grid Receptor 60	
650144	4079173	0.01824	173	0	ANNUAL	G61	Grid Receptor 61	
650144	4078773	0.02235	171	0	ANNUAL	G62	Grid Receptor 62	
650144	4078373	0.01381	204.6	0	ANNUAL	G63	Grid Receptor 63	
650144	4077973	0.01408	216.5	0	ANNUAL	G64	Grid Receptor 64	
650144	4077573	0.01052	257.7	0	ANNUAL	G65	Grid Receptor 65	
650144	4076373	0.02214	231.4	0	ANNUAL	G68	Grid Receptor 68	
650144	4075973	0.01794	249.4	0	ANNUAL	G69	Grid Receptor 69	
647744	4076773	0.44237	164.7	0	ANNUAL	G7	Grid Receptor 7	
650144	4075573	0.02773	216.4	0	ANNUAL	G70	Grid Receptor 70	
650544	4079173	0.01605	177	0	ANNUAL	G71	Grid Receptor 71	
650544	4078773	0.01785	180.9	0	ANNUAL	G72	Grid Receptor 72	
650544	4078373	0.01630	196.6	0	ANNUAL	G73	Grid Receptor 73	
650544	4077973	0.00905	236.9	0	ANNUAL	G74	Grid Receptor 74	
650544	4077573	0.00880	261.3	0	ANNUAL	G75	Grid Receptor 75	
650544	4076373	0.01290	260.9	0	ANNUAL	G78	Grid Receptor 78	
650544	4075973	0.01983	226.7	0	ANNUAL	G79	Grid Receptor 79	
647744	4076373	0.20409	164	0	ANNUAL	G8	Grid Receptor 8	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
650544	4075573	0.01189	268.2	0	ANNUAL	G80	Grid Receptor 80
650944	4079173	0.01384	181.3	0	ANNUAL	G81	Grid Receptor 81
650944	4078773	0.01646	178.4	0	ANNUAL	G82	Grid Receptor 82
650944	4078373	0.00958	214.8	0	ANNUAL	G83	Grid Receptor 83
650944	4077973	0.00712	249.9	0	ANNUAL	G84	Grid Receptor 84
650944	4077573	0.00692	276.5	0	ANNUAL	G85	Grid Receptor 85
650944	4077173	0.01369	225.6	0	ANNUAL	G86	Grid Receptor 86
650944	4076773	0.01612	219.8	0	ANNUAL	G87	Grid Receptor 87
650944	4076373	0.02195	209.2	0	ANNUAL	G88	Grid Receptor 88
650944	4075973	0.02023	216.6	0	ANNUAL	G89	Grid Receptor 89
647744	4075973	0.13044	160.7	0	ANNUAL	G9	Grid Receptor 9
650944	4075573	0.01297	243.2	0	ANNUAL	G90	Grid Receptor 90
651344	4079173	0.01052	191	0	ANNUAL	G91	Grid Receptor 91
651344	4078773	0.01462	181	0	ANNUAL	G92	Grid Receptor 92
651344	4078373	0.00908	214.3	0	ANNUAL	G93	Grid Receptor 93
651344	4077973	0.00667	248.4	0	ANNUAL	G94	Grid Receptor 94
651344	4077573	0.01385	213.2	0	ANNUAL	G95	Grid Receptor 95
651344	4077173	0.01476	213.6	0	ANNUAL	G96	Grid Receptor 96
651344	4076773	0.01979	203.5	0	ANNUAL	G97	Grid Receptor 97
651344	4076373	0.02033	205.6	0	ANNUAL	G98	Grid Receptor 98
651344	4075973	0.02129	205.8	0	ANNUAL	G99	Grid Receptor 99
648584.2	4077523	0.11136	183.61	0	ANNUAL	P1	Boundary Perimeter 1
649484.1	4077537	0.01462	254.01	0	ANNUAL	P10	Boundary Perimeter 10
649584	4077539	0.01656	235.3	0	ANNUAL	P11	Boundary Perimeter 11
649684	4077540	0.01925	221.29	0	ANNUAL	P12	Boundary Perimeter 12
649784	4077541	0.01811	222.37	0	ANNUAL	P13	Boundary Perimeter 13
649884	4077542	0.01476	233.6	0	ANNUAL	P14	Boundary Perimeter 14
649984	4077543	0.01196	249.54	0	ANNUAL	P15	Boundary Perimeter 15
650083.9	4077546	0.01086	258.89	0	ANNUAL	P16	Boundary Perimeter 16
650183.9	4077548	0.01041	259.56	0	ANNUAL	P17	Boundary Perimeter 17
650283.9	4077550	0.01008	256.77	0	ANNUAL	P18	Boundary Perimeter 18
650383.8	4077552	0.01117	242.37	0	ANNUAL	P19	Boundary Perimeter 19

15:31:43

- PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648684.2	4077525	0.05621	197.16	0	ANNUAL	P2	Boundary Perimeter 2
650483.8	4077554	0.01084	242.23	0	ANNUAL	P20	Boundary Perimeter 20
650583.8	4077557	0.00886	259.71	0	ANNUAL	P21	Boundary Perimeter 21
650683.8	4077559	0.00872	257.58	0	ANNUAL	P22	Boundary Perimeter 22
650776.8	4077554	0.00782	267.9	0	ANNUAL	P23	Boundary Perimeter 23
650778.9	4077454	0.00801	275.91	0	ANNUAL	P24	Boundary Perimeter 24
650781	4077354	0.00918	265.73	0	ANNUAL	P25	Boundary Perimeter 25
650783.1	4077254	0.01081	251.08	0	ANNUAL	P26	Boundary Perimeter 26
650785.2	4077154	0.01050	252.83	0	ANNUAL	P27	Boundary Perimeter 27
650787.3	4077054	0.01096	246.1	0	ANNUAL	P28	Boundary Perimeter 28
650789.4	4076954	0.01192	241.37	0	ANNUAL	P29	Boundary Perimeter 29
648784.2	4077527	0.03844	209.74	0	ANNUAL	Р3	Boundary Perimeter 3
650791.5	4076854	0.01171	246.79	0	ANNUAL	P30	Boundary Perimeter 30
650793.6	4076754	0.01478	228.75	0	ANNUAL	P31	Boundary Perimeter 31
650754.4	4076683	0.01871	217.76	0	ANNUAL	P32	Boundary Perimeter 32
650660.2	4076650	0.01860	221.2	0	ANNUAL	P33	Boundary Perimeter 33
650561.4	4076650	0.01966	220.83	0	ANNUAL	P34	Boundary Perimeter 34
650462.7	4076666	0.01967	223.42	0	ANNUAL	P35	Boundary Perimeter 35
650364	4076682	0.02102	222.46	0	ANNUAL	P36	Boundary Perimeter 36
650264.2	4076683	0.02197	223.19	0	ANNUAL	P37	Boundary Perimeter 37
650164.7	4076674	0.02381	222.1	0	ANNUAL	P38	Boundary Perimeter 38
650065.8	4076660	0.02792	217.03	0	ANNUAL	P39	Boundary Perimeter 39
648884.2	4077529	0.03192	214.25	0	ANNUAL	P4	Boundary Perimeter 4
649980.4	4076627	0.03121	214.82	0	ANNUAL	P40	Boundary Perimeter 40
649920.3	4076547	0.03298	214.91	0	ANNUAL	P41	Boundary Perimeter 41
649852.2	4076474	0.03652	214.09	0	ANNUAL	P42	Boundary Perimeter 42
649770.7	4076417	0.04179	211.53	0	ANNUAL	P43	Boundary Perimeter 43
649680.5	4076375	0.04591	210.17	0	ANNUAL	P44	Boundary Perimeter 44
649580.9	4076368	0.05181	208.52	0	ANNUAL	P45	Boundary Perimeter 45
649482.5	4076384	0.05774	207.5	0	ANNUAL	P46	Boundary Perimeter 46
649391.6	4076425	0.06708	205.17	0	ANNUAL	P47	Boundary Perimeter 47
649303.5	4076472	0.08068	202.16	0	ANNUAL	P48	Boundary Perimeter 48

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649226.2 4076535 0.10764 196.38 0 ANNUAL P49 Boundary Perimeter 49 648984.1 4077530 0.02803 221.41 0 ANNUAL P5 Boundary Perimeter 5 649156.2 4076605 0.12291 195.87 0 ANNUAL P50 Boundary Perimeter 50 649068.3 4076653 0.14163 196.32 0 ANNUAL P51 Boundary Perimeter 51	
649156.2 4076605 0.12291 195.87 0 ANNUAL P50 Boundary Perimeter 50	
·	
649068.3 4076653 0.14163 196.32 0 ANNUAL P51 Boundary Perimeter 51	
648986.7 4076711 0.19856 192.42 0 ANNUAL P52 Boundary Perimeter 52	
648936.5 4076759 0.23126 192.46 0 ANNUAL P53 Boundary Perimeter 53	
648868.6 4076833 0.31866 191.63 0 ANNUAL P54 Boundary Perimeter 54	
648797.2 4076902 0.70054 186.32 0 ANNUAL P55 Boundary Perimeter 55	
648710.6 4076952 2.42980 179.81 0 ANNUAL P56 Boundary Perimeter 56	
648620.8 4076996 3.10148 176.23 0 ANNUAL P57 Boundary Perimeter 57	
648607.2 4077051 1.57499 175.02 0 ANNUAL P58 Boundary Perimeter 58	
648680.1 4077119 0.44488 180.62 0 ANNUAL P59 Boundary Perimeter 59	
649084.1 4077532 0.02782 216.54 0 ANNUAL P6 Boundary Perimeter 6	
648759.2 4077180 0.22850 183.47 0 ANNUAL P60 Boundary Perimeter 60	
648791.4 4077262 0.07277 202.88 0 ANNUAL P61 Boundary Perimeter 61	
648788.5 4077362 0.15759 178.21 0 ANNUAL P62 Boundary Perimeter 62	
648691.3 4077361 0.18941 176.25 0 ANNUAL P63 Boundary Perimeter 63	
648591.4 4077357 0.21960 176 0 ANNUAL P64 Boundary Perimeter 64	
648525.7 4077371 0.23538 175.24 0 ANNUAL P65 Boundary Perimeter 65	
648586.9 4077430 0.18562 175.13 0 ANNUAL P66 Boundary Perimeter 66	
649184.1 4077534 0.02160 230.71 0 ANNUAL P7 Boundary Perimeter 7	
649284.1 4077535 0.01720 248.08 0 ANNUAL P8 Boundary Perimeter 8	
649384.1 4077536 0.01528 258.43 0 ANNUAL P9 Boundary Perimeter 9	
645930 4077983 0.26419 127.38 0 ANNUAL RP_G1 New Development	
645930 4078083 0.22142 127.58 0 ANNUAL RP_G10 New Development	
646030 4078083 0.23183 130.56 0 ANNUAL RP_G11 New Development	
646130 4078083 0.24229 134.35 0 ANNUAL RP_G12 New Development	
646230 4078083 0.25132 139.22 0 ANNUAL RP_G13 New Development	
646330 4078083 0.25630 144.65 0 ANNUAL RP_G14 New Development	
646430 4078083 0.25992 142.28 0 ANNUAL RP_G15 New Development	
646530 4078083 0.26367 146.76 0 ANNUAL RP_G16 New Development	
646630 4078083 0.26162 150.64 0 ANNUAL RP_G17 New Development	

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
646730	4078083	0.25121	155.4	0	ANNUAL	RP_G18	New Development
645930	4078183	0.18837	127.22	0	ANNUAL	RP_G19	New Development
646030	4077983	0.28145	131.21	0	ANNUAL	RP_G2	New Development
646030	4078183	0.19715	130.56	0	ANNUAL	RP_G20	New Development
646130	4078183	0.20514	133.89	0	ANNUAL	RP_G21	New Development
646230	4078183	0.21522	140.45	0	ANNUAL	RP_G22	New Development
646330	4078183	0.21711	146.94	0	ANNUAL	RP_G23	New Development
646430	4078183	0.21904	140.23	0	ANNUAL	RP_G24	New Development
646530	4078183	0.22406	147.25	0	ANNUAL	RP_G25	New Development
646630	4078183	0.22187	151.56	0	ANNUAL	RP_G26	New Development
646730	4078183	0.20810	157.78	0	ANNUAL	RP_G27	New Development
645930	4078283	0.16219	126.06	0	ANNUAL	RP_G28	New Development
646030	4078283	0.16977	129.56	0	ANNUAL	RP_G29	New Development
646130	4077983	0.29563	135.89	0	ANNUAL	RP_G3	New Development
646130	4078283	0.17689	132.89	0	ANNUAL	RP_G30	New Development
646230	4078283	0.18636	139.24	0	ANNUAL	RP_G31	New Development
646330	4078283	0.19062	142.68	0	ANNUAL	RP_G32	New Development
646430	4078283	0.18994	140.02	0	ANNUAL	RP_G33	New Development
646530	4078283	0.19472	147.22	0	ANNUAL	RP_G34	New Development
646630	4078283	0.19305	151.56	0	ANNUAL	RP_G35	New Development
646730	4078283	0.18393	156.78	0	ANNUAL	RP_G36	New Development
646230	4077983	0.30254	139.18	0	ANNUAL	RP_G4	New Development
646330	4077983	0.30839	140.76	0	ANNUAL	RP_G5	New Development
646430	4077983	0.31538	143.89	0	ANNUAL	RP_G6	New Development
646530	4077983	0.32076	145.22	0	ANNUAL	RP_G7	New Development
646630	4077983	0.32407	147.21	0	ANNUAL	RP_G8	New Development
646730	4077983	0.32731	148.3	0	ANNUAL	RP_G9	New Development
648659.3	4077241	0.08775	205.79	0	ANNUAL	RP_H1	House 1
648071.2	4076116	0.16814	169.6	0	ANNUAL	RP_H10	House 10
648247.4	4076278	0.14157	184.55	0	ANNUAL	RP_H11	House 11
648027.2	4076255	0.19776	169.38	0	ANNUAL	RP_H12	House 12
648065.8	4076359	0.20936	173.83	0	ANNUAL	RP_H13	House 13

* AERMOD (19191): Appendix B Attachment

10/05/21

* AERMET (21112): John Smith Road DPM Grnd 2018

15:31:43

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

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		(1X,113.3),3(1X,16.2),2		271,10.0,271,7			
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648138.7	4076400	0.20056	178.22	0	ANNUAL	RP_H14	House 14
648254.7	4076411	0.13253	191.28	0	ANNUAL	RP_H15	House 15
647877.8	4076365	0.22324	165.39	0	ANNUAL	RP_H16	House 16
647520	4076206	0.14931	159	0	ANNUAL	RP_H17	House 17
647921	4076247	0.19730	164	0	ANNUAL	RP_H18	House 18
647708.8	4076352	0.19366	163.52	0	ANNUAL	RP_H19	House 19
648371.7	4075470	0.09173	173.69	0	ANNUAL	RP_H2	House 2
647703.6	4076251	0.17162	162.17	0	ANNUAL	RP_H20	House 20
647718.8	4076104	0.14903	159.35	0	ANNUAL	RP_H21	House 21
647843.3	4076125	0.16010	163	0	ANNUAL	RP_H22	House 22
647842.3	4076500	0.25875	167.93	0	ANNUAL	RP_H23	House 23
647727.8	4076644	0.31804	164.15	0	ANNUAL	RP_H24	House 24
647823.9	4076644	0.33325	168.29	0	ANNUAL	RP_H25	House 25
647530	4076497	0.21568	159.56	0	ANNUAL	RP_H26	House 26
647810.1	4076854	0.72615	162.9	0	ANNUAL	RP_H27	House 27
647697.5	4076989	0.98369	161.42	0	ANNUAL	RP_H28	House 28
648225.5	4076182	0.13080	183.22	0	ANNUAL	RP_H29	House 29
647678.2	4075969	0.12646	159.5	0	ANNUAL	RP_H3	House 3
645876.3	4077487	0.51589	127.13	0	ANNUAL	RP_H30	House 30
650902	4076062	0.02070	215.24	0	ANNUAL	RP_H31	House 31
651490	4076597	0.01874	205.5	0	ANNUAL	RP_H32	House 32
651565	4077067	0.01326	213.93	0	ANNUAL	RP_H33	House 33
648672.8	4075307	0.02412	225.91	0	ANNUAL	RP_H34	House 34
648383.6	4075469	0.09070	174.44	0	ANNUAL	RP_H35	House 35
646379.4	4077233	0.45725	146	0	ANNUAL	RP_H36	House 36
651849.7	4075865	0.01939	201.97	0	ANNUAL	RP_H37	House 37
652045.5	4076210	0.01913	196.88	0	ANNUAL	RP_H38	House 38
652255.7	4076391	0.01827	197.06	0	ANNUAL	RP_H39	House 39
647815.3	4075985	0.13608	162.04	0	ANNUAL	RP_H4	House 4
646853.7	4077373	1.24167	145.99	0	ANNUAL	RP_H40	House 40
647050.2	4077360	1.18272	145	0	ANNUAL	RP_H41	House 41
647286.4	4077474	2.88721	149.68	0	ANNUAL	RP_H42	House 42

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15:31:43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
647359.1	4077340	1.25806	154.45	0	ANNUAL	RP_H43	House 43
647490.4	4077329	1.27510	162.28	0	ANNUAL	RP_H44	House 44
647522.2	4077252	1.05155	164.3	0	ANNUAL	RP_H45	House 45
647517.8	4077139	0.81411	164.01	0	ANNUAL	RP_H46	House 46
646819	4077258	0.66073	151.53	0	ANNUAL	RP_H47	House 47
646778.7	4077128	0.35341	158.51	0	ANNUAL	RP_H48	House 48
646987.3	4077213	0.67398	146.44	0	ANNUAL	RP_H49	House 49
647898.2	4076033	0.14815	163.83	0	ANNUAL	RP_H5	House 5
647241.8	4077227	0.75799	154.85	0	ANNUAL	RP_H50	House 50
646773.1	4077063	0.30313	159	0	ANNUAL	RP_H51	House 51
647104.4	4077118	0.54422	148.99	0	ANNUAL	RP_H52	House 52
647291.9	4077123	0.57795	158.62	0	ANNUAL	RP_H53	House 53
646765.2	4076978	0.26093	158.67	0	ANNUAL	RP_H54	House 54
646995.7	4076984	0.36879	152.34	0	ANNUAL	RP_H55	House 55
647317.2	4077031	0.46365	160.22	0	ANNUAL	RP_H56	House 56
647398.4	4077013	0.48510	161.26	0	ANNUAL	RP_H57	House 57
646978.9	4076904	0.29033	156.81	0	ANNUAL	RP_H58	House 58
647015.2	4076807	0.25627	156.21	0	ANNUAL	RP_H59	House 59
648045.4	4076018	0.15103	168.26	0	ANNUAL	RP_H6	House 6
647164	4076802	0.28715	154.38	0	ANNUAL	RP_H60	House 60
647310.6	4076940	0.36269	162.49	0	ANNUAL	RP_H61	House 61
647298.1	4076805	0.30259	158	0	ANNUAL	RP_H62	House 62
647446.6	4076900	0.41484	159.45	0	ANNUAL	RP_H63	House 63
647464.5	4076781	0.32374	159.32	0	ANNUAL	RP_H64	House 64
647512	4076536	0.22665	159	0	ANNUAL	RP_H65	House 65
651131	4078767	0.01559	179.58	0	ANNUAL	RP_H66	House 66
647131	4077336	1.08432	146.77	0	ANNUAL	RP_H67	House 67
646798	4076740	0.19668	156.07	0	ANNUAL	RP_H68	House 68
646900	4076802	0.21902	159	0	ANNUAL	RP_H69	House 69
648126.3	4075955	0.13840	171.51	0	ANNUAL	RP_H7	House 7
647317	4076662	0.23146	159.9	0	ANNUAL	RP_H70	House 70
648249.3	4075970	0.10598	183.42	0	ANNUAL	RP_H8	House 8

* AERMOD (19191): Appendix B Attachment

10/05/21

* AERMET (21112): John Smith Road DPM Grnd 2018

15:31:43

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648218.6	4076109	0.12446	182.28	0	ANNUAL	RP_H9	House 9

* AERMET (19191): John Smith Road DPM Grnd 2019

16:06:25

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
645996	4078698	0.11943	123.85	0	ANNUAL	AQ_ST_1	AQ Monitoring Station	
643903.7	4077719	0.01353	105.68	0	ANNUAL	CR_HP_1	Hazel Hawkins Memorial Hospital	
642056.8	4079416	0.01150	85.12	0	ANNUAL	CR_PK_1	Dunne Park	
642179.1	4079950	0.01571	117.99	0	ANNUAL	CR_PK_2	Vista Park Hill Park	
644733.1	4078753	0.05625	106.44	0	ANNUAL	CR_PK_3	Las Brisas Park	
645608.8	4078854	0.09415	112.86	0	ANNUAL	CR_PK_4	Frank Klauer Memorial Park	
644238.1	4078807	0.03466	95.25	0	ANNUAL	CR_PK_5	Veterans Memorial Park	
645311.5	4076559	0.03322	134.61	0	ANNUAL	CR_PK_6	Park 6	
649581.7	4073424	0.02924	159.96	0	ANNUAL	CR_PK_7	Park 7	
645145.1	4077181	0.03969	133	0	ANNUAL	CR_SC_1	Cerra Vista Elem School	
642904.7	4079955	0.01921	86	0	ANNUAL	CR_SC_10	San Andreas Continuation	
645850.7	4074015	0.01529	123	0	ANNUAL	CR_SC_11	SouthSide School	
642105.7	4078176	0.00669	91	0	ANNUAL	CR_SC_12	School 12	
646058.9	4078443	0.15251	128.52	0	ANNUAL	CR_SC_13	Rancho Santana School	School 1
647269	4075575	0.06824	158	0	ANNUAL	CR_SC_14	Future School	School 2
648466	4074106	0.03924	159	0	ANNUAL	CR_SC_15	Tres Pinos Union Elementary School	
644109.6	4078389	0.02596	98.2	0	ANNUAL	CR_SC_2	Sunnyslope Elem School	
643920.1	4077304	0.01260	101.23	0	ANNUAL	CR_SC_3	Hollister Montessori School	
642961.1	4078621	0.01365	92	0	ANNUAL	CR_SC_4	Rancho San Justo Middle School	
643980	4079743	0.03329	88	0	ANNUAL	CR_SC_5	Marguerite Maze Middle School	
641630.2	4079153	0.00882	85	0	ANNUAL	CR_SC_6	Hollister Prep Schoo	
643350	4077181	0.00932	98.22	0	ANNUAL	CR_SC_7	Ladd Lane Elementary School	
644003	4080079	0.03333	87	0	ANNUAL	CR_SC_8	Gabilan Hills Elementary School	
642244.9	4078413	0.00868	90.17	0	ANNUAL	CR_SC_9	San Benito High School	
642083.4	4079794	0.01310	87.58	0	ANNUAL	CR_SR_1	Jovenes De Antano	
646402	4076879	0.16808	146.33	0	ANNUAL	CR_WP_1	Workplace	MEIW
648949	4077938	0.02701	189.45	0	ANNUAL	CR_WP_2	Nearest Workplace	
647744	4079173	0.03693	155.2	0	ANNUAL	G1	Grid Receptor 1	
647744	4075573	0.08507	160	0	ANNUAL	G10	Grid Receptor 10	
651344	4075573	0.01028	252.9	0	ANNUAL	G100	Grid Receptor 100	
648144	4079173	0.02624	165.9	0	ANNUAL	G11	Grid Receptor 11	
648144	4078773	0.03789	159.6	0	ANNUAL	G12	Grid Receptor 12	

16:06:25

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

648144 4078373 0.05746 146.2 0 ANNUAL G13 Grid Receptor 13 648144 4077973 0.10330 158.3 0 ANNUAL G14 Grid Receptor 14 648144 4077173 0.25421 166.6 0 ANNUAL G15 Grid Receptor 15 648144 4077173 0.62941 175.4 0 ANNUAL G16 Grid Receptor 16 648144 4076773 0.50936 177.1 0 ANNUAL G17 Grid Receptor 17 648144 4076773 0.10305 173 0 ANNUAL G17 Grid Receptor 18 648144 4076373 0.19281 178 0 ANNUAL G19 Grid Receptor 18 648144 4078773 0.05280 145.4 0 ANNUAL G2 Grid Receptor 19 647744 4078773 0.05280 145.4 0 ANNUAL G2 Grid Receptor 20 648544 4079173 0.09365 168.8 0 ANNUAL G21 Grid Receptor 20 648544 4078773 0.02811 166.2 0 ANNUAL G22 Grid Receptor 20 648544 4078773 0.02811 166.2 0 ANNUAL G22 Grid Receptor 21 648544 4078773 0.09365 168.8 0 ANNUAL G22 Grid Receptor 22 648544 4077873 0.0941 179.5 0 ANNUAL G22 Grid Receptor 22 648544 4077873 0.0941 179.6 0 ANNUAL G22 Grid Receptor 23 648544 4077973 0.05559 173.9 0 ANNUAL G24 Grid Receptor 24 648544 4077973 0.05569 191 0 ANNUAL G25 Grid Receptor 24 648544 4077173 0.25609 191 0 ANNUAL G25 Grid Receptor 25 648544 4077173 0.25609 191 0 ANNUAL G26 Grid Receptor 26 648544 40776773 0.18586 209.2 0 ANNUAL G26 Grid Receptor 27 648544 4076773 0.18586 209.2 0 ANNUAL G28 Grid Receptor 27 648544 4076773 0.18586 209.2 0 ANNUAL G28 Grid Receptor 27 648544 4076773 0.18586 209.2 0 ANNUAL G29 Grid Receptor 27 648544 4076773 0.18586 209.2 0 ANNUAL G29 Grid Receptor 27 648544 4076773 0.18586 209.2 0 ANNUAL G29 Grid Receptor 27 648544 4076773 0.18586 209.2 0 ANNUAL G29 Grid Receptor 27 648544 4076773 0.18586 209.2 0 ANNUAL G30 Grid Receptor 36 648544 4076773 0.18586 209.2 0 ANNUAL G30 Grid Receptor 36 648544 4076773 0.18586 209.2 0 ANNUAL G30 Grid Receptor 36 648544 4076773 0.18586 209.2 0 ANNUAL G30 Grid Receptor 37 648544 4076773 0.05013 195.5 0 ANNUAL G30 Grid Receptor 39 648544 4076773 0.05013 195.5 0 ANNUAL G31 Grid Receptor 30 648944 4076773 0.05013 195.5 0 ANNUAL G31 Grid Receptor 30 648944 4076773 0.05013 195.5 0 ANNUAL G33 Grid Receptor 35 648944 4077973 0.00501 183.5 0 ANNUAL G30 Grid Recept	X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648144 4077573 0.25421 166.6 0 ANNUAL G15 Grid Receptor 15 648144 4077173 0.62941 175.4 0 ANNUAL G16 Grid Receptor 16 648144 4076773 0.50936 177.1 0 ANNUAL G17 Grid Receptor 17 648144 4076373 0.19281 178 0 ANNUAL G18 Grid Receptor 18 648144 4075973 0.13005 173 0 ANNUAL G19 Grid Receptor 19 647744 4078773 0.05280 145.4 0 ANNUAL G20 Grid Receptor 20 648544 4078773 0.09945 168.8 0 ANNUAL G20 Grid Receptor 20 648544 4078773 0.02811 166.2 0 ANNUAL G21 Grid Receptor 21 648544 4078773 0.04127 145.4 0 ANNUAL G22 Grid Receptor 22 648544 4077973 0.05559 173.9 0 <td>648144</td> <td>4078373</td> <td>0.05746</td> <td>146.2</td> <td>0</td> <td>ANNUAL</td> <td>G13</td> <td>Grid Receptor 13</td>	648144	4078373	0.05746	146.2	0	ANNUAL	G13	Grid Receptor 13
648144 4077173 0.62941 175.4 0 ANNUAL G16 Grid Receptor 16 648144 4076773 0.50936 177.1 0 ANNUAL G17 Grid Receptor 17 648144 4076373 0.19281 178 0 ANNUAL G18 Grid Receptor 18 648144 4076373 0.19281 178 0 ANNUAL G19 Grid Receptor 19 647744 4078773 0.05280 145.4 0 ANNUAL G2 Grid Receptor 2 648144 4075573 0.09365 168.8 0 ANNUAL G2 Grid Receptor 2 648144 4079173 0.01949 173.5 0 ANNUAL G21 Grid Receptor 20 648544 4079173 0.01949 173.5 0 ANNUAL G21 Grid Receptor 21 648544 4078773 0.02811 166.2 0 ANNUAL G22 Grid Receptor 22 648544 4078773 0.02811 166.2 0 ANNUAL G22 Grid Receptor 22 648544 4078773 0.05559 173.9 0 ANNUAL G23 Grid Receptor 23 648544 4077573 0.09744 179.6 0 ANNUAL G24 Grid Receptor 24 648544 4077773 0.05559 173.9 0 ANNUAL G25 Grid Receptor 25 648544 4077773 0.07944 179.6 0 ANNUAL G25 Grid Receptor 26 648544 4077773 0.07946 23.3.7 0 ANNUAL G26 Grid Receptor 26 648544 4076773 0.18586 209.2 0 ANNUAL G26 Grid Receptor 26 648544 4076373 0.07046 233.7 0 ANNUAL G27 Grid Receptor 27 648544 4076373 0.07046 233.7 0 ANNUAL G29 Grid Receptor 28 648544 4075973 0.0391 199.9 0 ANNUAL G29 Grid Receptor 29 647744 4078373 0.0391 199.9 0 ANNUAL G29 Grid Receptor 29 647744 4078373 0.05831 144.4 0 ANNUAL G3 Grid Receptor 3 648544 4075973 0.05831 195.5 0 ANNUAL G3 Grid Receptor 3 648944 4079773 0.05913 195.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.03201 183.5 0 ANNUAL G3 Grid Receptor 3 648944 4078773 0.032	648144	4077973	0.10330	158.3	0	ANNUAL	G14	Grid Receptor 14
648144 4076773 0.50936 177.1 0 ANNUAL G17 Grid Receptor 17 648144 4076373 0.19281 178 0 ANNUAL G18 Grid Receptor 18 648144 4075973 0.13005 173 0 ANNUAL G19 Grid Receptor 19 648744 4078773 0.05280 145.4 0 ANNUAL G2 Grid Receptor 2 648544 4079173 0.01949 173.5 0 ANNUAL G21 Grid Receptor 21 648544 4078773 0.02811 166.2 0 ANNUAL G22 Grid Receptor 21 648544 4078373 0.04127 145.4 0 ANNUAL G23 Grid Receptor 23 648544 4077973 0.05559 173.9 0 ANNUAL G24 Grid Receptor 24 648544 4077773 0.25609 191 0 ANNUAL G25 Grid Receptor 25 648544 4076773 0.18586 209.2 0	648144	4077573	0.25421	166.6	0	ANNUAL	G15	Grid Receptor 15
648144 4076373 0.19281 178 0 ANNUAL G18 Grid Receptor 18 648144 4075973 0.13005 173 0 ANNUAL G19 Grid Receptor 19 647744 4078773 0.05280 145.4 0 ANNUAL G2 Grid Receptor 2 648144 4075573 0.09365 168.8 0 ANNUAL G20 Grid Receptor 20 648544 4079173 0.01949 173.5 0 ANNUAL G21 Grid Receptor 21 648544 4078373 0.02811 166.2 0 ANNUAL G22 Grid Receptor 23 648544 4078373 0.04127 145.4 0 ANNUAL G23 Grid Receptor 23 648544 4077573 0.05559 173.9 0 ANNUAL G25 Grid Receptor 25 648544 4076773 0.18586 209.2 0 ANNUAL G26 Grid Receptor 26 648544 4076373 0.07046 233.7 0	648144	4077173	0.62941	175.4	0	ANNUAL	G16	Grid Receptor 16
648144 4075973 0.13005 173 0 ANNUAL G19 Grid Receptor 19 647744 4078773 0.05280 145.4 0 ANNUAL G2 Grid Receptor 2 648144 4075573 0.09365 168.8 0 ANNUAL G20 Grid Receptor 20 648544 4078773 0.01949 173.5 0 ANNUAL G21 Grid Receptor 21 648544 4078773 0.02811 166.2 0 ANNUAL G22 Grid Receptor 22 648544 4078373 0.04127 145.4 0 ANNUAL G23 Grid Receptor 23 648544 4077973 0.05559 173.9 0 ANNUAL G24 Grid Receptor 24 648544 4077173 0.25609 191 0 ANNUAL G25 Grid Receptor 25 648544 4076773 0.18886 209.2 0 ANNUAL G26 Grid Receptor 26 648544 4076373 0.07346 233.7 0	648144	4076773	0.50936	177.1	0	ANNUAL	G17	Grid Receptor 17
647744 4078773 0.05280 145.4 0 ANNUAL G2 Grid Receptor 2 648144 4075573 0.09365 168.8 0 ANNUAL G20 Grid Receptor 20 648544 4079173 0.01949 173.5 0 ANNUAL G21 Grid Receptor 21 648544 4078773 0.02811 166.2 0 ANNUAL G22 Grid Receptor 22 648544 4078773 0.04127 145.4 0 ANNUAL G23 Grid Receptor 23 648544 4077973 0.05559 173.9 0 ANNUAL G24 Grid Receptor 24 648544 4077773 0.09744 179.6 0 ANNUAL G25 Grid Receptor 25 648544 4076773 0.18586 209.2 0 ANNUAL G27 Grid Receptor 27 648544 4076973 0.07046 233.7 0 ANNUAL G28 Grid Receptor 28 648544 4075973 0.07394 199.9 0<	648144	4076373	0.19281	178	0	ANNUAL	G18	Grid Receptor 18
648144 4075573 0.09365 168.8 0 ANNUAL G20 Grid Receptor 20 648544 4079173 0.01949 173.5 0 ANNUAL G21 Grid Receptor 21 648544 4078773 0.02811 166.2 0 ANNUAL G22 Grid Receptor 22 648544 4078373 0.04127 145.4 0 ANNUAL G23 Grid Receptor 23 648544 4077973 0.05559 173.9 0 ANNUAL G24 Grid Receptor 24 648544 4077573 0.09744 179.6 0 ANNUAL G25 Grid Receptor 25 648544 4076773 0.18586 209.2 0 ANNUAL G27 Grid Receptor 27 648544 4076373 0.07046 233.7 0 ANNUAL G28 Grid Receptor 29 648744 4078373 0.08371 144.4 0 ANNUAL G29 Grid Receptor 3 648544 4075973 0.05913 195.5 0	648144	4075973	0.13005	173	0	ANNUAL	G19	Grid Receptor 19
648544 4079173 0.01949 173.5 0 ANNUAL G21 Grid Receptor 21 648544 4078773 0.02811 166.2 0 ANNUAL G22 Grid Receptor 22 648544 4078373 0.04127 145.4 0 ANNUAL G23 Grid Receptor 23 648544 4077973 0.05559 173.9 0 ANNUAL G24 Grid Receptor 24 648544 4077573 0.09744 179.6 0 ANNUAL G25 Grid Receptor 25 648544 4076773 0.18586 209.2 0 ANNUAL G26 Grid Receptor 26 648544 4076373 0.07046 233.7 0 ANNUAL G28 Grid Receptor 28 648544 4078373 0.07394 199.9 0 ANNUAL G29 Grid Receptor 29 647744 4078373 0.08371 144.4 0 ANNUAL G30 Grid Receptor 3 648544 4079173 0.01072 190.4 0	647744	4078773	0.05280	145.4	0	ANNUAL	G2	Grid Receptor 2
648544 4078773 0.02811 166.2 0 ANNUAL G22 Grid Receptor 22 648544 4078373 0.04127 145.4 0 ANNUAL G23 Grid Receptor 23 648544 4077973 0.05559 173.9 0 ANNUAL G24 Grid Receptor 24 648544 4077573 0.09744 179.6 0 ANNUAL G25 Grid Receptor 25 648544 4077173 0.25609 191 0 ANNUAL G26 Grid Receptor 26 648544 4076773 0.18586 209.2 0 ANNUAL G27 Grid Receptor 27 648544 4076373 0.07046 233.7 0 ANNUAL G28 Grid Receptor 28 648544 4075973 0.07394 199.9 0 ANNUAL G29 Grid Receptor 29 647744 4078373 0.05913 195.5 0 ANNUAL G3 Grid Receptor 3 648944 4079173 0.05913 195.5 0 <td>648144</td> <td>4075573</td> <td>0.09365</td> <td>168.8</td> <td>0</td> <td>ANNUAL</td> <td>G20</td> <td>Grid Receptor 20</td>	648144	4075573	0.09365	168.8	0	ANNUAL	G20	Grid Receptor 20
648544 4078373 0.04127 145.4 0 ANNUAL G23 Grid Receptor 23 648544 4077973 0.05559 173.9 0 ANNUAL G24 Grid Receptor 24 648544 4077573 0.09744 179.6 0 ANNUAL G25 Grid Receptor 25 648544 4076773 0.25609 191 0 ANNUAL G26 Grid Receptor 26 648544 4076773 0.18586 209.2 0 ANNUAL G27 Grid Receptor 27 648544 4076373 0.07046 233.7 0 ANNUAL G28 Grid Receptor 28 648544 4075973 0.07394 199.9 0 ANNUAL G29 Grid Receptor 3 648744 4078373 0.08371 144.4 0 ANNUAL G3 Grid Receptor 3 648944 4079173 0.01072 190.4 0 ANNUAL G31 Grid Receptor 31 648944 4078373 0.03215 165.4 0 <td>648544</td> <td>4079173</td> <td>0.01949</td> <td>173.5</td> <td>0</td> <td>ANNUAL</td> <td>G21</td> <td>Grid Receptor 21</td>	648544	4079173	0.01949	173.5	0	ANNUAL	G21	Grid Receptor 21
648544 4077973 0.05559 173.9 0 ANNUAL G24 Grid Receptor 24 648544 4077573 0.09744 179.6 0 ANNUAL G25 Grid Receptor 25 648544 4077173 0.25609 191 0 ANNUAL G26 Grid Receptor 26 648544 4076773 0.18586 209.2 0 ANNUAL G27 Grid Receptor 27 648544 4076373 0.07046 233.7 0 ANNUAL G28 Grid Receptor 28 648544 4075973 0.07394 199.9 0 ANNUAL G29 Grid Receptor 29 647744 4078373 0.08371 144.4 0 ANNUAL G3 Grid Receptor 3 648544 4075573 0.05913 195.5 0 ANNUAL G30 Grid Receptor 30 648944 4079173 0.01072 190.4 0 ANNUAL G31 Grid Receptor 31 648944 4078373 0.03241 159.6 0 <td>648544</td> <td>4078773</td> <td>0.02811</td> <td>166.2</td> <td>0</td> <td>ANNUAL</td> <td>G22</td> <td>Grid Receptor 22</td>	648544	4078773	0.02811	166.2	0	ANNUAL	G22	Grid Receptor 22
648544 4077573 0.09744 179.6 0 ANNUAL G25 Grid Receptor 25 648544 4077173 0.25609 191 0 ANNUAL G26 Grid Receptor 26 648544 4076773 0.18586 209.2 0 ANNUAL G27 Grid Receptor 27 648544 4076373 0.07046 233.7 0 ANNUAL G28 Grid Receptor 28 648544 4075973 0.07394 199.9 0 ANNUAL G29 Grid Receptor 29 647744 4078373 0.08371 144.4 0 ANNUAL G3 Grid Receptor 3 648544 4075573 0.05913 195.5 0 ANNUAL G30 Grid Receptor 30 648944 4079173 0.01072 190.4 0 ANNUAL G31 Grid Receptor 31 648944 4078373 0.03241 159.6 0 ANNUAL G32 Grid Receptor 32 648944 4077973 0.03201 183.5 0 <td>648544</td> <td>4078373</td> <td>0.04127</td> <td>145.4</td> <td>0</td> <td>ANNUAL</td> <td>G23</td> <td>Grid Receptor 23</td>	648544	4078373	0.04127	145.4	0	ANNUAL	G23	Grid Receptor 23
648544 4077173 0.25609 191 0 ANNUAL G26 Grid Receptor 26 648544 4076773 0.18586 209.2 0 ANNUAL G27 Grid Receptor 27 648544 4076373 0.07046 233.7 0 ANNUAL G28 Grid Receptor 28 648544 4075973 0.07394 199.9 0 ANNUAL G29 Grid Receptor 29 647744 4078373 0.08371 144.4 0 ANNUAL G3 Grid Receptor 3 648544 4075573 0.05913 195.5 0 ANNUAL G30 Grid Receptor 30 648944 4079173 0.01072 190.4 0 ANNUAL G31 Grid Receptor 32 648944 4078773 0.02315 165.4 0 ANNUAL G32 Grid Receptor 32 648944 4077973 0.03241 159.6 0 ANNUAL G34 Grid Receptor 34 648944 4077573 0.01677 224 0	648544	4077973	0.05559	173.9	0	ANNUAL	G24	Grid Receptor 24
648544 4076773 0.18586 209.2 0 ANNUAL G27 Grid Receptor 27 648544 4076373 0.07046 233.7 0 ANNUAL G28 Grid Receptor 28 648544 4075973 0.07394 199.9 0 ANNUAL G29 Grid Receptor 29 647744 4078373 0.08371 144.4 0 ANNUAL G3 Grid Receptor 3 648544 4075573 0.05913 195.5 0 ANNUAL G30 Grid Receptor 30 648944 4079173 0.01072 190.4 0 ANNUAL G31 Grid Receptor 31 648944 4078773 0.02315 165.4 0 ANNUAL G32 Grid Receptor 32 648944 4078773 0.03241 159.6 0 ANNUAL G33 Grid Receptor 33 648944 4077973 0.03201 183.5 0 ANNUAL G35 Grid Receptor 35 648944 4076373 0.06304 208.8 0<	648544	4077573	0.09744	179.6	0	ANNUAL	G25	Grid Receptor 25
648544 4076373 0.07046 233.7 0 ANNUAL G28 Grid Receptor 28 648544 4075973 0.07394 199.9 0 ANNUAL G29 Grid Receptor 29 647744 4078373 0.08371 144.4 0 ANNUAL G3 Grid Receptor 3 648544 4075573 0.05913 195.5 0 ANNUAL G30 Grid Receptor 30 648944 4079173 0.01072 190.4 0 ANNUAL G31 Grid Receptor 31 648944 4078773 0.02315 165.4 0 ANNUAL G32 Grid Receptor 32 648944 4078373 0.03241 159.6 0 ANNUAL G33 Grid Receptor 33 648944 4077973 0.03201 183.5 0 ANNUAL G34 Grid Receptor 34 648944 4076373 0.09695 205 0 ANNUAL G38 Grid Receptor 38 648944 4075973 0.06304 208.8 0 <td>648544</td> <td>4077173</td> <td>0.25609</td> <td>191</td> <td>0</td> <td>ANNUAL</td> <td>G26</td> <td>Grid Receptor 26</td>	648544	4077173	0.25609	191	0	ANNUAL	G26	Grid Receptor 26
648544 4075973 0.07394 199.9 0 ANNUAL G29 Grid Receptor 29 647744 4078373 0.08371 144.4 0 ANNUAL G3 Grid Receptor 3 648544 4075573 0.05913 195.5 0 ANNUAL G30 Grid Receptor 30 648944 4079173 0.01072 190.4 0 ANNUAL G31 Grid Receptor 31 648944 4078773 0.02315 165.4 0 ANNUAL G32 Grid Receptor 32 648944 4078373 0.03241 159.6 0 ANNUAL G33 Grid Receptor 33 648944 4077973 0.03201 183.5 0 ANNUAL G34 Grid Receptor 34 648944 4077573 0.01677 224 0 ANNUAL G38 Grid Receptor 35 648944 4076373 0.06304 208.8 0 ANNUAL G39 Grid Receptor 39 647744 4077973 0.14448 134.6 0 <td>648544</td> <td>4076773</td> <td>0.18586</td> <td>209.2</td> <td>0</td> <td>ANNUAL</td> <td>G27</td> <td>Grid Receptor 27</td>	648544	4076773	0.18586	209.2	0	ANNUAL	G27	Grid Receptor 27
647744 4078373 0.08371 144.4 0 ANNUAL G3 Grid Receptor 3 648544 4075573 0.05913 195.5 0 ANNUAL G30 Grid Receptor 30 648944 4079173 0.01072 190.4 0 ANNUAL G31 Grid Receptor 31 648944 4078773 0.02315 165.4 0 ANNUAL G32 Grid Receptor 32 648944 4078373 0.03241 159.6 0 ANNUAL G33 Grid Receptor 33 648944 4077973 0.03201 183.5 0 ANNUAL G34 Grid Receptor 34 648944 4077573 0.01677 224 0 ANNUAL G35 Grid Receptor 35 648944 4076373 0.09695 205 0 ANNUAL G39 Grid Receptor 38 648944 4075973 0.06304 208.8 0 ANNUAL G4 Grid Receptor 4 648944 4075573 0.08102 185.6 0	648544	4076373	0.07046	233.7	0	ANNUAL	G28	Grid Receptor 28
648544 4075573 0.05913 195.5 0 ANNUAL G30 Grid Receptor 30 648944 4079173 0.01072 190.4 0 ANNUAL G31 Grid Receptor 31 648944 4078773 0.02315 165.4 0 ANNUAL G32 Grid Receptor 32 648944 4078773 0.03241 159.6 0 ANNUAL G33 Grid Receptor 33 648944 4077973 0.03201 183.5 0 ANNUAL G34 Grid Receptor 34 648944 4077573 0.01677 224 0 ANNUAL G35 Grid Receptor 35 648944 4076373 0.09695 205 0 ANNUAL G38 Grid Receptor 38 648944 4075973 0.06304 208.8 0 ANNUAL G39 Grid Receptor 39 647744 4077973 0.14448 134.6 0 ANNUAL G4 Grid Receptor 4 648944 4075573 0.08102 185.6 0	648544	4075973	0.07394	199.9	0	ANNUAL	G29	Grid Receptor 29
648944 4079173 0.01072 190.4 0 ANNUAL G31 Grid Receptor 31 648944 4078773 0.02315 165.4 0 ANNUAL G32 Grid Receptor 32 648944 4078373 0.03241 159.6 0 ANNUAL G33 Grid Receptor 33 648944 4077973 0.03201 183.5 0 ANNUAL G34 Grid Receptor 34 648944 4077573 0.01677 224 0 ANNUAL G35 Grid Receptor 35 648944 4076373 0.09695 205 0 ANNUAL G38 Grid Receptor 38 648944 4075973 0.06304 208.8 0 ANNUAL G39 Grid Receptor 39 647744 4077973 0.14448 134.6 0 ANNUAL G4 Grid Receptor 4 648944 4075573 0.08102 185.6 0 ANNUAL G40 Grid Receptor 40 649344 4079173 0.01068 187.4 0	647744	4078373	0.08371	144.4	0	ANNUAL	G3	Grid Receptor 3
648944 4078773 0.02315 165.4 0 ANNUAL G32 Grid Receptor 32 648944 4078373 0.03241 159.6 0 ANNUAL G33 Grid Receptor 33 648944 4077973 0.03201 183.5 0 ANNUAL G34 Grid Receptor 34 648944 4077573 0.01677 224 0 ANNUAL G35 Grid Receptor 35 648944 4076373 0.09695 205 0 ANNUAL G38 Grid Receptor 38 648944 4075973 0.06304 208.8 0 ANNUAL G39 Grid Receptor 39 647744 4077973 0.14448 134.6 0 ANNUAL G4 Grid Receptor 4 648944 4075573 0.08102 185.6 0 ANNUAL G40 Grid Receptor 40 649344 4079173 0.01068 187.4 0 ANNUAL G41 Grid Receptor 41 649344 4078773 0.02005 160.9 0	648544	4075573	0.05913	195.5	0	ANNUAL	G30	Grid Receptor 30
648944 4078373 0.03241 159.6 0 ANNUAL G33 Grid Receptor 33 648944 4077973 0.03201 183.5 0 ANNUAL G34 Grid Receptor 34 648944 4077573 0.01677 224 0 ANNUAL G35 Grid Receptor 35 648944 4076373 0.09695 205 0 ANNUAL G38 Grid Receptor 38 648944 4075973 0.06304 208.8 0 ANNUAL G39 Grid Receptor 39 647744 4077973 0.14448 134.6 0 ANNUAL G4 Grid Receptor 4 648944 4075573 0.08102 185.6 0 ANNUAL G40 Grid Receptor 40 649344 4079173 0.01068 187.4 0 ANNUAL G41 Grid Receptor 41 649344 4078773 0.02005 160.9 0 ANNUAL G42 Grid Receptor 42	648944	4079173	0.01072	190.4	0	ANNUAL	G31	Grid Receptor 31
648944 4077973 0.03201 183.5 0 ANNUAL G34 Grid Receptor 34 648944 4077573 0.01677 224 0 ANNUAL G35 Grid Receptor 35 648944 4076373 0.09695 205 0 ANNUAL G38 Grid Receptor 38 648944 4075973 0.06304 208.8 0 ANNUAL G39 Grid Receptor 39 647744 4077973 0.14448 134.6 0 ANNUAL G4 Grid Receptor 4 648944 4075573 0.08102 185.6 0 ANNUAL G40 Grid Receptor 40 649344 4079173 0.01068 187.4 0 ANNUAL G41 Grid Receptor 41 649344 4078773 0.02005 160.9 0 ANNUAL G42 Grid Receptor 42	648944	4078773	0.02315	165.4	0	ANNUAL	G32	Grid Receptor 32
648944 4077573 0.01677 224 0 ANNUAL G35 Grid Receptor 35 648944 4076373 0.09695 205 0 ANNUAL G38 Grid Receptor 38 648944 4075973 0.06304 208.8 0 ANNUAL G39 Grid Receptor 39 647744 4077973 0.14448 134.6 0 ANNUAL G4 Grid Receptor 4 648944 4075573 0.08102 185.6 0 ANNUAL G40 Grid Receptor 40 649344 4079173 0.01068 187.4 0 ANNUAL G41 Grid Receptor 41 649344 4078773 0.02005 160.9 0 ANNUAL G42 Grid Receptor 42	648944	4078373	0.03241	159.6	0	ANNUAL	G33	Grid Receptor 33
648944 4076373 0.09695 205 0 ANNUAL G38 Grid Receptor 38 648944 4075973 0.06304 208.8 0 ANNUAL G39 Grid Receptor 39 647744 4077973 0.14448 134.6 0 ANNUAL G4 Grid Receptor 4 648944 4075573 0.08102 185.6 0 ANNUAL G40 Grid Receptor 40 649344 4079173 0.01068 187.4 0 ANNUAL G41 Grid Receptor 41 649344 4078773 0.02005 160.9 0 ANNUAL G42 Grid Receptor 42	648944	4077973	0.03201	183.5	0	ANNUAL	G34	Grid Receptor 34
648944 4075973 0.06304 208.8 0 ANNUAL G39 Grid Receptor 39 647744 4077973 0.14448 134.6 0 ANNUAL G4 Grid Receptor 4 648944 4075573 0.08102 185.6 0 ANNUAL G40 Grid Receptor 40 649344 4079173 0.01068 187.4 0 ANNUAL G41 Grid Receptor 41 649344 4078773 0.02005 160.9 0 ANNUAL G42 Grid Receptor 42	648944	4077573	0.01677	224	0	ANNUAL	G35	Grid Receptor 35
647744 4077973 0.14448 134.6 0 ANNUAL G4 Grid Receptor 4 648944 4075573 0.08102 185.6 0 ANNUAL G40 Grid Receptor 40 649344 4079173 0.01068 187.4 0 ANNUAL G41 Grid Receptor 41 649344 4078773 0.02005 160.9 0 ANNUAL G42 Grid Receptor 42	648944	4076373	0.09695	205	0	ANNUAL	G38	Grid Receptor 38
648944 4075573 0.08102 185.6 0 ANNUAL G40 Grid Receptor 40 649344 4079173 0.01068 187.4 0 ANNUAL G41 Grid Receptor 41 649344 4078773 0.02005 160.9 0 ANNUAL G42 Grid Receptor 42	648944	4075973	0.06304	208.8	0	ANNUAL	G39	Grid Receptor 39
649344 4079173 0.01068 187.4 0 ANNUAL G41 Grid Receptor 41 649344 4078773 0.02005 160.9 0 ANNUAL G42 Grid Receptor 42	647744	4077973	0.14448	134.6	0	ANNUAL	G4	Grid Receptor 4
649344 4078773 0.02005 160.9 0 ANNUAL G42 Grid Receptor 42	648944	4075573	0.08102	185.6	0	ANNUAL	G40	Grid Receptor 40
•	649344	4079173	0.01068	187.4	0	ANNUAL	G41	Grid Receptor 41
649344 4078373 0.01061 200.5 0 ANNUAL G43 Grid Receptor 43	649344	4078773	0.02005	160.9	0	ANNUAL	G42	Grid Receptor 42
	649344	4078373	0.01061	200.5	0	ANNUAL	G43	Grid Receptor 43

* AERMET (19191): John Smith Road DPM Grnd 2019

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- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
6493	44 4077973	0.00766	229	0	ANNUAL	G44	Grid Receptor 44	
6493	44 4077573	0.01002	253.3	0	ANNUAL	G45	Grid Receptor 45	
6493	44 4076373	0.05357	220.2	0	ANNUAL	G48	Grid Receptor 48	
6493	44 4075973	0.04191	227.2	0	ANNUAL	G49	Grid Receptor 49	
6477	44 4077573	0.37718	163.8	0	ANNUAL	G5	Grid Receptor 5	
6493	44 4075573	0.04867	205.5	0	ANNUAL	G50	Grid Receptor 50	
6497	44 4079173	0.01126	176.1	0	ANNUAL	G51	Grid Receptor 51	
6497	44 4078773	0.00846	195	0	ANNUAL	G52	Grid Receptor 52	
6497	44 4078373	0.01079	196.1	0	ANNUAL	G53	Grid Receptor 53	
6497	44 4077973	0.00916	215.3	0	ANNUAL	G54	Grid Receptor 54	
6497	44 4077573	0.01269	221.6	0	ANNUAL	G55	Grid Receptor 55	
6497	44 4076373	0.04106	211.7	0	ANNUAL	G58	Grid Receptor 58	
6497	44 4075973	0.02836	237.7	0	ANNUAL	G59	Grid Receptor 59	
6477	44 4077173	3.20030	158.4	0	ANNUAL	G6	Grid Receptor 6	PMI
6497	44 4075573	0.04412	204.2	0	ANNUAL	G60	Grid Receptor 60	
6501	44 4079173	0.01041	173	0	ANNUAL	G61	Grid Receptor 61	
6501	44 4078773	0.01323	171	0	ANNUAL	G62	Grid Receptor 62	
6501	44 4078373	0.00801	204.6	0	ANNUAL	G63	Grid Receptor 63	
6501		0.00834	216.5	0	ANNUAL	G64	Grid Receptor 64	
6501	44 4077573	0.00749	257.7	0	ANNUAL	G65	Grid Receptor 65	
6501	44 4076373	0.02193	231.4	0	ANNUAL	G68	Grid Receptor 68	
6501	44 4075973	0.01890	249.4	0	ANNUAL	G69	Grid Receptor 69	
6477	44 4076773	0.39886	164.7	0	ANNUAL	G7	Grid Receptor 7	
6501	44 4075573	0.02848	216.4	0	ANNUAL	G70	Grid Receptor 70	
6505	44 4079173	0.00917	177	0	ANNUAL	G71	Grid Receptor 71	
6505	44 4078773	0.01025	180.9	0	ANNUAL	G72	Grid Receptor 72	
6505	44 4078373	0.00952	196.6	0	ANNUAL	G73	Grid Receptor 73	
6505	44 4077973	0.00565	236.9	0	ANNUAL	G74	Grid Receptor 74	
6505	44 4077573	0.00623	261.3	0	ANNUAL	G75	Grid Receptor 75	
6505	44 4076373	0.01286	260.9	0	ANNUAL	G78	Grid Receptor 78	
6505		0.01932	226.7	0	ANNUAL	G79	Grid Receptor 79	
6477	44 4076373	0.19143	164	0	ANNUAL	G8	Grid Receptor 8	

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

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X	Y	AVED ACE CONC	ZELEV	ZFLAG		ID	Dagavintian
		AVERAGE CONC			ANNILAI		Description
650544	4075573	0.01299	268.2	0	ANNUAL	G80	Grid Receptor 80
650944	4079173	0.00793	181.3	0	ANNUAL	G81	Grid Receptor 81
650944	4078773	0.00959	178.4	0	ANNUAL	G82	Grid Receptor 82
650944	4078373	0.00589	214.8	0	ANNUAL	G83	Grid Receptor 83
650944	4077973	0.00462	249.9	0	ANNUAL	G84	Grid Receptor 84
650944	4077573	0.00483	276.5	0	ANNUAL	G85	Grid Receptor 85
650944	4077173	0.01087	225.6	0	ANNUAL	G86	Grid Receptor 86
650944	4076773	0.01429	219.8	0	ANNUAL	G87	Grid Receptor 87
650944	4076373	0.02036	209.2	0	ANNUAL	G88	Grid Receptor 88
650944	4075973	0.01836	216.6	0	ANNUAL	G89	Grid Receptor 89
647744	4075973	0.12284	160.7	0	ANNUAL	G9	Grid Receptor 9
650944	4075573	0.01325	243.2	0	ANNUAL	G90	Grid Receptor 90
651344	4079173	0.00613	191	0	ANNUAL	G91	Grid Receptor 91
651344	4078773	0.00861	181	0	ANNUAL	G92	Grid Receptor 92
651344	4078373	0.00571	214.3	0	ANNUAL	G93	Grid Receptor 93
651344	4077973	0.00443	248.4	0	ANNUAL	G94	Grid Receptor 94
651344	4077573	0.00932	213.2	0	ANNUAL	G95	Grid Receptor 95
651344	4077173	0.01162	213.6	0	ANNUAL	G96	Grid Receptor 96
651344	4076773	0.01606	203.5	0	ANNUAL	G97	Grid Receptor 97
651344	4076373	0.01847	205.6	0	ANNUAL	G98	Grid Receptor 98
651344	4075973	0.01896	205.8	0	ANNUAL	G99	Grid Receptor 99
648584.2	4077523	0.08528	183.61	0	ANNUAL	P1	Boundary Perimeter 1
649484.1	4077537	0.00983	254.01	0	ANNUAL	P10	Boundary Perimeter 10
649584	4077539	0.01136	235.3	0	ANNUAL	P11	Boundary Perimeter 11
649684	4077540	0.01343	221.29	0	ANNUAL	P12	Boundary Perimeter 12
649784	4077541	0.01277	222.37	0	ANNUAL	P13	Boundary Perimeter 13
649884	4077542	0.01051	233.6	0	ANNUAL	P14	Boundary Perimeter 14
649984	4077543	0.00854	249.54	0	ANNUAL	P15	Boundary Perimeter 15
650083.9	4077546	0.00774	258.89	0	ANNUAL	P16	Boundary Perimeter 16
650183.9	4077548	0.00742	259.56	0	ANNUAL	P17	Boundary Perimeter 17
650283.9	4077550	0.00719	256.77	0	ANNUAL	P18	Boundary Perimeter 18
650383.8	4077552	0.00797	242.37	0	ANNUAL	P19	Boundary Perimeter 19
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648684.2	4077525	0.04142	197.16	0	ANNUAL	P2	Boundary Perimeter 2
650483.8	4077554	0.00771	242.23	0	ANNUAL	P20	Boundary Perimeter 20
650583.8	4077557	0.00628	259.71	0	ANNUAL	P21	Boundary Perimeter 21
650683.8	4077559	0.00616	257.58	0	ANNUAL	P22	Boundary Perimeter 22
650776.8	4077554	0.00549	267.9	0	ANNUAL	P23	Boundary Perimeter 23
650778.9	4077454	0.00543	275.91	0	ANNUAL	P24	Boundary Perimeter 24
650781	4077354	0.00607	265.73	0	ANNUAL	P25	Boundary Perimeter 25
650783.1	4077254	0.00763	251.08	0	ANNUAL	P26	Boundary Perimeter 26
650785.2	4077154	0.00821	252.83	0	ANNUAL	P27	Boundary Perimeter 27
650787.3	4077054	0.00921	246.1	0	ANNUAL	P28	Boundary Perimeter 28
650789.4	4076954	0.00998	241.37	0	ANNUAL	P29	Boundary Perimeter 29
648784.2	4077527	0.02664	209.74	0	ANNUAL	P3	Boundary Perimeter 3
650791.5	4076854	0.01010	246.79	0	ANNUAL	P30	Boundary Perimeter 30
650793.6	4076754	0.01356	228.75	0	ANNUAL	P31	Boundary Perimeter 31
650754.4	4076683	0.01722	217.76	0	ANNUAL	P32	Boundary Perimeter 32
650660.2	4076650	0.01734	221.2	0	ANNUAL	P33	Boundary Perimeter 33
650561.4	4076650	0.01838	220.83	0	ANNUAL	P34	Boundary Perimeter 34
650462.7	4076666	0.01849	223.42	0	ANNUAL	P35	Boundary Perimeter 35
650364	4076682	0.01976	222.46	0	ANNUAL	P36	Boundary Perimeter 36
650264.2	4076683	0.02076	223.19	0	ANNUAL	P37	Boundary Perimeter 37
650164.7	4076674	0.02260	222.1	0	ANNUAL	P38	Boundary Perimeter 38
650065.8	4076660	0.02654	217.03	0	ANNUAL	P39	Boundary Perimeter 39
648884.2	4077529	0.02152	214.25	0	ANNUAL	P4	Boundary Perimeter 4
649980.4	4076627	0.02975	214.82	0	ANNUAL	P40	Boundary Perimeter 40
649920.3	4076547	0.03177	214.91	0	ANNUAL	P41	Boundary Perimeter 41
649852.2	4076474	0.03467	214.09	0	ANNUAL	P42	Boundary Perimeter 42
649770.7	4076417	0.03966	211.53	0	ANNUAL	P43	Boundary Perimeter 43
649680.5	4076375	0.04481	210.17	0	ANNUAL	P44	Boundary Perimeter 44
649580.9	4076368	0.05070	208.52	0	ANNUAL	P45	Boundary Perimeter 45
649482.5	4076384	0.05717	207.5	0	ANNUAL	P46	Boundary Perimeter 46
649391.6	4076425	0.06660	205.17	0	ANNUAL	P47	Boundary Perimeter 47
649303.5	4076472	0.07984	202.16	0	ANNUAL	P48	Boundary Perimeter 48

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
649226.2	4076535	0.10383	196.38	0	ANNUAL	P49	Boundary Perimeter 49
648984.1	4077530	0.01828	221.41	0	ANNUAL	P5	Boundary Perimeter 5
649156.2	4076605	0.11860	195.87	0	ANNUAL	P50	Boundary Perimeter 50
649068.3	4076653	0.13885	196.32	0	ANNUAL	P51	Boundary Perimeter 51
648986.7	4076711	0.19190	192.42	0	ANNUAL	P52	Boundary Perimeter 52
648936.5	4076759	0.22530	192.46	0	ANNUAL	P53	Boundary Perimeter 53
648868.6	4076833	0.31166	191.63	0	ANNUAL	P54	Boundary Perimeter 54
648797.2	4076902	0.65303	186.32	0	ANNUAL	P55	Boundary Perimeter 55
648710.6	4076952	2.18254	179.81	0	ANNUAL	P56	Boundary Perimeter 56
648620.8	4076996	2.84739	176.23	0	ANNUAL	P57	Boundary Perimeter 57
648607.2	4077051	1.40198	175.02	0	ANNUAL	P58	Boundary Perimeter 58
648680.1	4077119	0.32640	180.62	0	ANNUAL	P59	Boundary Perimeter 59
649084.1	4077532	0.01805	216.54	0	ANNUAL	P6	Boundary Perimeter 6
648759.2	4077180	0.15985	183.47	0	ANNUAL	P60	Boundary Perimeter 60
648791.4	4077262	0.05271	202.88	0	ANNUAL	P61	Boundary Perimeter 61
648788.5	4077362	0.10466	178.21	0	ANNUAL	P62	Boundary Perimeter 62
648691.3	4077361	0.13078	176.25	0	ANNUAL	P63	Boundary Perimeter 63
648591.4	4077357	0.16612	176	0	ANNUAL	P64	Boundary Perimeter 64
648525.7	4077371	0.19281	175.24	0	ANNUAL	P65	Boundary Perimeter 65
648586.9	4077430	0.13690	175.13	0	ANNUAL	P66	Boundary Perimeter 66
649184.1	4077534	0.01398	230.71	0	ANNUAL	P7	Boundary Perimeter 7
649284.1	4077535	0.01122	248.08	0	ANNUAL	P8	Boundary Perimeter 8
649384.1	4077536	0.01008	258.43	0	ANNUAL	Р9	Boundary Perimeter 9
645930	4077983	0.25066	127.38	0	ANNUAL	RP_G1	New Development
645930	4078083	0.21728	127.58	0	ANNUAL	RP_G10	New Development
646030	4078083	0.22858	130.56	0	ANNUAL	RP_G11	New Development
646130	4078083	0.24020	134.35	0	ANNUAL	RP_G12	New Development
646230	4078083	0.25157	139.22	0	ANNUAL	RP_G13	New Development
646330	4078083	0.25872	144.65	0	ANNUAL	RP_G14	New Development
646430	4078083	0.26467	142.28	0	ANNUAL	RP_G15	New Development
646530	4078083	0.27178	146.76	0	ANNUAL	RP_G16	New Development
646630	4078083	0.27529	150.64	0	ANNUAL	RP_G17	New Development

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
646730	4078083	0.27143	155.4	0	ANNUAL	RP_G18	New Development
645930	4078183	0.19135	127.22	0	ANNUAL	RP_G19	New Development
646030	4077983	0.26719	131.21	0	ANNUAL	RP_G2	New Development
646030	4078183	0.20130	130.56	0	ANNUAL	RP_G20	New Development
646130	4078183	0.21012	133.89	0	ANNUAL	RP_G21	New Development
646230	4078183	0.22212	140.45	0	ANNUAL	RP_G22	New Development
646330	4078183	0.22682	146.94	0	ANNUAL	RP_G23	New Development
646430	4078183	0.23094	140.23	0	ANNUAL	RP_G24	New Development
646530	4078183	0.23965	147.25	0	ANNUAL	RP_G25	New Development
646630	4078183	0.24124	151.56	0	ANNUAL	RP_G26	New Development
646730	4078183	0.23066	157.78	0	ANNUAL	RP_G27	New Development
645930	4078283	0.16975	126.06	0	ANNUAL	RP_G28	New Development
646030	4078283	0.17839	129.56	0	ANNUAL	RP_G29	New Development
646130	4077983	0.28226	135.89	0	ANNUAL	RP_G3	New Development
646130	4078283	0.18624	132.89	0	ANNUAL	RP_G30	New Development
646230	4078283	0.19739	139.24	0	ANNUAL	RP_G31	New Development
646330	4078283	0.20474	142.68	0	ANNUAL	RP_G32	New Development
646430	4078283	0.20640	140.02	0	ANNUAL	RP_G33	New Development
646530	4078283	0.21329	147.22	0	ANNUAL	RP_G34	New Development
646630	4078283	0.21240	151.56	0	ANNUAL	RP_G35	New Development
646730	4078283	0.20333	156.78	0	ANNUAL	RP_G36	New Development
646230	4077983	0.29071	139.18	0	ANNUAL	RP_G4	New Development
646330	4077983	0.29870	140.76	0	ANNUAL	RP_G5	New Development
646430	4077983	0.30800	143.89	0	ANNUAL	RP_G6	New Development
646530	4077983	0.31611	145.22	0	ANNUAL	RP_G7	New Development
646630	4077983	0.32384	147.21	0	ANNUAL	RP_G8	New Development
646730	4077983	0.33296	148.3	0	ANNUAL	RP_G9	New Development
648659.3	4077241	0.06781	205.79	0	ANNUAL	RP_H1	House 1
648071.2	4076116	0.15690	169.6	0	ANNUAL	RP_H10	House 10
648247.4	4076278	0.14414	184.55	0	ANNUAL	RP_H11	House 11
648027.2	4076255	0.18537	169.38	0	ANNUAL	RP_H12	House 12
648065.8	4076359	0.20231	173.83	0	ANNUAL	RP_H13	House 13

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648138.7	4076400	0.19902	178.22	0	ANNUAL	RP_H14	House 14
648254.7	4076411	0.13825	191.28	0	ANNUAL	RP_H15	House 15
647877.8	4076365	0.20971	165.39	0	ANNUAL	RP_H16	House 16
647520	4076206	0.13937	159	0	ANNUAL	RP_H17	House 17
647921	4076247	0.18456	164	0	ANNUAL	RP_H18	House 18
647708.8	4076352	0.18126	163.52	0	ANNUAL	RP_H19	House 19
648371.7	4075470	0.08592	173.69	0	ANNUAL	RP_H2	House 2
647703.6	4076251	0.16115	162.17	0	ANNUAL	RP_H20	House 20
647718.8	4076104	0.14029	159.35	0	ANNUAL	RP_H21	House 21
647843.3	4076125	0.15216	163	0	ANNUAL	RP_H22	House 22
647842.3	4076500	0.24335	167.93	0	ANNUAL	RP_H23	House 23
647727.8	4076644	0.29428	164.15	0	ANNUAL	RP_H24	House 24
647823.9	4076644	0.31203	168.29	0	ANNUAL	RP_H25	House 25
647530	4076497	0.19732	159.56	0	ANNUAL	RP_H26	House 26
647810.1	4076854	0.64787	162.9	0	ANNUAL	RP_H27	House 27
647697.5	4076989	0.73878	161.42	0	ANNUAL	RP_H28	House 28
648225.5	4076182	0.13138	183.22	0	ANNUAL	RP_H29	House 29
647678.2	4075969	0.11878	159.5	0	ANNUAL	RP_H3	House 3
645876.3	4077487	0.27668	127.13	0	ANNUAL	RP_H30	House 30
650902	4076062	0.01907	215.24	0	ANNUAL	RP_H31	House 31
651490	4076597	0.01622	205.5	0	ANNUAL	RP_H32	House 32
651565	4077067	0.01072	213.93	0	ANNUAL	RP_H33	House 33
648672.8	4075307	0.02628	225.91	0	ANNUAL	RP_H34	House 34
648383.6	4075469	0.08519	174.44	0	ANNUAL	RP_H35	House 35
646379.4	4077233	0.39481	146	0	ANNUAL	RP_H36	House 36
651849.7	4075865	0.01681	201.97	0	ANNUAL	RP_H37	House 37
652045.5	4076210	0.01688	196.88	0	ANNUAL	RP_H38	House 38
652255.7	4076391	0.01511	197.06	0	ANNUAL	RP_H39	House 39
647815.3	4075985	0.12881	162.04	0	ANNUAL	RP_H4	House 4
646853.7	4077373	1.05576	145.99	0	ANNUAL	RP_H40	House 40
647050.2	4077360	0.99165	145	0	ANNUAL	RP_H41	House 41
647286.4	4077474	2.46734	149.68	0	ANNUAL	RP_H42	House 42

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* AERMET (19191): John Smith Road DPM Grnd 2019

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
647359.1	4077340	1.02574	154.45	0	ANNUAL	RP_H43	House 43
647490.4	4077329	1.09581	162.28	0	ANNUAL	RP_H44	House 44
647522.2	4077252	0.84947	164.3	0	ANNUAL	RP_H45	House 45
647517.8	4077139	0.56563	164.01	0	ANNUAL	RP_H46	House 46
646819	4077258	0.55420	151.53	0	ANNUAL	RP_H47	House 47
646778.7	4077128	0.29441	158.51	0	ANNUAL	RP_H48	House 48
646987.3	4077213	0.55197	146.44	0	ANNUAL	RP_H49	House 49
647898.2	4076033	0.14027	163.83	0	ANNUAL	RP_H5	House 5
647241.8	4077227	0.58717	154.85	0	ANNUAL	RP_H50	House 50
646773.1	4077063	0.25251	159	0	ANNUAL	RP_H51	House 51
647104.4	4077118	0.43524	148.99	0	ANNUAL	RP_H52	House 52
647291.9	4077123	0.43221	158.62	0	ANNUAL	RP_H53	House 53
646765.2	4076978	0.21815	158.67	0	ANNUAL	RP_H54	House 54
646995.7	4076984	0.30429	152.34	0	ANNUAL	RP_H55	House 55
647317.2	4077031	0.35186	160.22	0	ANNUAL	RP_H56	House 56
647398.4	4077013	0.36315	161.26	0	ANNUAL	RP_H57	House 57
646978.9	4076904	0.24152	156.81	0	ANNUAL	RP_H58	House 58
647015.2	4076807	0.21806	156.21	0	ANNUAL	RP_H59	House 59
648045.4	4076018	0.14072	168.26	0	ANNUAL	RP_H6	House 6
647164	4076802	0.24443	154.38	0	ANNUAL	RP_H60	House 60
647310.6	4076940	0.28532	162.49	0	ANNUAL	RP_H61	House 61
647298.1	4076805	0.25783	158	0	ANNUAL	RP_H62	House 62
647446.6	4076900	0.33291	159.45	0	ANNUAL	RP_H63	House 63
647464.5	4076781	0.28292	159.32	0	ANNUAL	RP_H64	House 64
647512	4076536	0.20515	159	0	ANNUAL	RP_H65	House 65
651131	4078767	0.00914	179.58	0	ANNUAL	RP_H66	House 66
647131	4077336	0.89698	146.77	0	ANNUAL	RP_H67	House 67
646798	4076740	0.16959	156.07	0	ANNUAL	RP_H68	House 68
646900	4076802	0.18706	159	0	ANNUAL	RP_H69	House 69
648126.3	4075955	0.12979	171.51	0	ANNUAL	RP_H7	House 7
647317	4076662	0.20766	159.9	0	ANNUAL	RP_H70	House 70
648249.3	4075970	0.10548	183.42	0	ANNUAL	RP_H8	House 8

* AERMOD (19191): Appendix B Attachment

10/05/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648218.6	4076109	0.12416	182.28	0	ANNUAL	RP_H9	House 9

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10/05/21

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15:31:43

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	Description	ID	AVE	ZFLAG	ZELEV	AVERAGE CONC	Y	X
	AQ Monitoring Station	AQ_ST_1	ANNUAL	0	123.85	0.14153	4078698	645996
]	Hazel Hawkins Memorial Hospital	CR_HP_1	ANNUAL	0	105.68	0.02382	4077719	643903.7
	Dunne Park	CR_PK_1	ANNUAL	0	85.12	0.01392	4079416	642056.8
	Vista Park Hill Park	CR_PK_2	ANNUAL	0	117.99	0.01893	4079950	642179.1
	Las Brisas Park	CR_PK_3	ANNUAL	0	106.44	0.06798	4078753	644733.1
	Frank Klauer Memorial Park	CR_PK_4	ANNUAL	0	112.86	0.1105	4078854	645608.8
	Veterans Memorial Park	CR_PK_5	ANNUAL	0	95.25	0.04184	4078807	644238.1
	Park 6	CR_PK_6	ANNUAL	0	134.61	0.04406	4076559	645311.5
	Park 7	CR_PK_7	ANNUAL	0	159.96	0.03963	4073424	649581.7
]	Cerra Vista Elem School	CR_SC_1	ANNUAL	0	133	0.05382	4077181	645145.1
	San Andreas Continuation	CR_SC_10	ANNUAL	0	86	0.02332	4079955	642904.7
	SouthSide School	CR_SC_11	ANNUAL	0	123	0.01849	4074015	645850.7
	School 12	CR_SC_12	ANNUAL	0	91	0.01125	4078176	642105.7
School 1	Rancho Santana School	CR_SC_13	ANNUAL	0	128.52	0.18093	4078443	646058.9
School 2	Future School	CR_SC_14	ANNUAL	0	158	0.08614	4075575	647269
	Tres Pinos Union Elementary School	CR_SC_15	ANNUAL	0	159	0.05057	4074106	648466
	Sunnyslope Elem School	CR_SC_2	ANNUAL	0	98.2	0.03316	4078389	644109.6
	Hollister Montessori School	CR_SC_3	ANNUAL	0	101.23	0.02022	4077304	643920.1
	Rancho San Justo Middle School	CR_SC_4	ANNUAL	0	92	0.01826	4078621	642961.1
	Marguerite Maze Middle School	CR_SC_5	ANNUAL	0	88	0.04033	4079743	643980
	Hollister Prep Schoo	CR_SC_6	ANNUAL	0	85	0.01171	4079153	641630.2
	Ladd Lane Elementary School	CR_SC_7	ANNUAL	0	98.22	0.01487	4077181	643350
	Gabilan Hills Elementary School	CR_SC_8	ANNUAL	0	87	0.04011	4080079	644003
	San Benito High School	CR_SC_9	ANNUAL	0	90.17	0.01233	4078413	642244.9
	Jovenes De Antano	CR_SR_1	ANNUAL	0	87.58	0.01553	4079794	642083.4
MEIW	Workplace	CR_WP_1	ANNUAL	0	146.33	0.21616	4076879	646402
	Nearest Workplace	CR_WP_2	ANNUAL	0	189.45	0.02629	4077938	648949
]	Grid Receptor 1	G1	ANNUAL	0	155.2	0.04381	4079173	647744
	Grid Receptor 10	G10	ANNUAL	0	160	0.10762	4075573	647744
]	Grid Receptor 100	G100	ANNUAL	0	252.9	0.00899	4075573	651344
	Grid Receptor 11	G11	ANNUAL	0	165.9	0.03083	4079173	648144
1	Grid Receptor 12	G12	ANNUAL	0	159.6	0.04335	4078773	648144

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648144	4078373	0.06325	146.2	0	ANNUAL	G13	Grid Receptor 13
648144	4077973	0.11499	158.3	0	ANNUAL	G14	Grid Receptor 14
648144	4077573	0.27926	166.6	0	ANNUAL	G15	Grid Receptor 15
648144	4077173	0.67801	175.4	0	ANNUAL	G16	Grid Receptor 16
648144	4076773	0.59611	177.1	0	ANNUAL	G17	Grid Receptor 17
648144	4076373	0.23956	178	0	ANNUAL	G18	Grid Receptor 18
648144	4075973	0.16111	173	0	ANNUAL	G19	Grid Receptor 19
647744	4078773	0.06076	145.4	0	ANNUAL	G2	Grid Receptor 2
648144	4075573	0.11648	168.8	0	ANNUAL	G20	Grid Receptor 20
648544	4079173	0.02128	173.5	0	ANNUAL	G21	Grid Receptor 21
648544	4078773	0.03044	166.2	0	ANNUAL	G22	Grid Receptor 22
648544	4078373	0.04485	145.4	0	ANNUAL	G23	Grid Receptor 23
648544	4077973	0.06092	173.9	0	ANNUAL	G24	Grid Receptor 24
648544	4077573	0.10436	179.6	0	ANNUAL	G25	Grid Receptor 25
648544	4077173	0.24395	191	0	ANNUAL	G26	Grid Receptor 26
648544	4076773	0.19952	209.2	0	ANNUAL	G27	Grid Receptor 27
648544	4076373	0.07619	233.7	0	ANNUAL	G28	Grid Receptor 28
648544	4075973	0.09012	199.9	0	ANNUAL	G29	Grid Receptor 29
647744	4078373	0.0933	144.4	0	ANNUAL	G3	Grid Receptor 3
648544	4075573	0.07294	195.5	0	ANNUAL	G30	Grid Receptor 30
648944	4079173	0.01029	190.4	0	ANNUAL	G31	Grid Receptor 31
648944	4078773	0.02337	165.4	0	ANNUAL	G32	Grid Receptor 32
648944	4078373	0.03394	159.6	0	ANNUAL	G33	Grid Receptor 33
648944	4077973	0.03283	183.5	0	ANNUAL	G34	Grid Receptor 34
648944	4077573	0.01408	224	0	ANNUAL	G35	Grid Receptor 35
648944	4076373	0.10982	205	0	ANNUAL	G38	Grid Receptor 38
648944	4075973	0.07269	208.8	0	ANNUAL	G39	Grid Receptor 39
647744	4077973	0.16246	134.6	0	ANNUAL	G4	Grid Receptor 4
648944	4075573	0.10172	185.6	0	ANNUAL	G40	Grid Receptor 40
649344	4079173	0.0097	187.4	0	ANNUAL	G41	Grid Receptor 41
649344	4078773	0.02043	160.9	0	ANNUAL	G42	Grid Receptor 42
649344	4078373	0.00985	200.5	0	ANNUAL	G43	Grid Receptor 43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description	
649344	4077973	0.00646	229	0	ANNUAL	G44	Grid Receptor 44	
649344	4077573	0.00874	253.3	0	ANNUAL	G45	Grid Receptor 45	
649344	4076373	0.05235	220.2	0	ANNUAL	G48	Grid Receptor 48	
649344	4075973	0.04552	227.2	0	ANNUAL	G49	Grid Receptor 49	
647744	4077573	0.42034	163.8	0	ANNUAL	G5	Grid Receptor 5	
649344	4075573	0.05697	205.5	0	ANNUAL	G50	Grid Receptor 50	
649744	4079173	0.01203	176.1	0	ANNUAL	G51	Grid Receptor 51	
649744	4078773	0.00873	195	0	ANNUAL	G52	Grid Receptor 52	
649744	4078373	0.01092	196.1	0	ANNUAL	G53	Grid Receptor 53	
649744	4077973	0.00767	215.3	0	ANNUAL	G54	Grid Receptor 54	
649744	4077573	0.01124	221.6	0	ANNUAL	G55	Grid Receptor 55	
649744	4076373	0.03944	211.7	0	ANNUAL	G58	Grid Receptor 58	
649744	4075973	0.02768	237.7	0	ANNUAL	G59	Grid Receptor 59	
647744	4077173	3.54848	158.4	0	ANNUAL	G6	Grid Receptor 6	PMI
649744	4075573	0.04982	204.2	0	ANNUAL	G60	Grid Receptor 60	
650144	4079173	0.01091	173	0	ANNUAL	G61	Grid Receptor 61	
650144	4078773	0.01381	171	0	ANNUAL	G62	Grid Receptor 62	
650144	4078373	0.00724	204.6	0	ANNUAL	G63	Grid Receptor 63	
650144	4077973	0.00707	216.5	0	ANNUAL	G64	Grid Receptor 64	
650144	4077573	0.0066	257.7	0	ANNUAL	G65	Grid Receptor 65	
650144	4076373	0.02069	231.4	0	ANNUAL	G68	Grid Receptor 68	
650144	4075973	0.01715	249.4	0	ANNUAL	G69	Grid Receptor 69	
647744	4076773	0.48994	164.7	0	ANNUAL	G7	Grid Receptor 7	
650144	4075573	0.02958	216.4	0	ANNUAL	G70	Grid Receptor 70	
650544	4079173	0.00909	177	0	ANNUAL	G71	Grid Receptor 71	
650544	4078773	0.00981	180.9	0	ANNUAL	G72	Grid Receptor 72	
650544	4078373	0.00866	196.6	0	ANNUAL	G73	Grid Receptor 73	
650544	4077973	0.00471	236.9	0	ANNUAL	G74	Grid Receptor 74	
650544	4077573	0.00551	261.3	0	ANNUAL	G75	Grid Receptor 75	
650544	4076373	0.01213	260.9	0	ANNUAL	G78	Grid Receptor 78	
650544	4075973	0.01777	226.7	0	ANNUAL	G79	Grid Receptor 79	
647744	4076373	0.23768	164	0	ANNUAL	G8	Grid Receptor 8	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
650544	4075573	0.01183	268.2	0	ANNUAL	G80	Grid Receptor 80
650944	4079173	0.00734	181.3	0	ANNUAL	G81	Grid Receptor 81
650944	4078773	0.0095	178.4	0	ANNUAL	G82	Grid Receptor 82
650944	4078373	0.00535	214.8	0	ANNUAL	G83	Grid Receptor 83
650944	4077973	0.00379	249.9	0	ANNUAL	G84	Grid Receptor 84
650944	4077573	0.00421	276.5	0	ANNUAL	G85	Grid Receptor 85
650944	4077173	0.01004	225.6	0	ANNUAL	G86	Grid Receptor 86
650944	4076773	0.0138	219.8	0	ANNUAL	G87	Grid Receptor 87
650944	4076373	0.02027	209.2	0	ANNUAL	G88	Grid Receptor 88
650944	4075973	0.01804	216.6	0	ANNUAL	G89	Grid Receptor 89
647744	4075973	0.1536	160.7	0	ANNUAL	G9	Grid Receptor 9
650944	4075573	0.01232	243.2	0	ANNUAL	G90	Grid Receptor 90
651344	4079173	0.00539	191	0	ANNUAL	G91	Grid Receptor 91
651344	4078773	0.00884	181	0	ANNUAL	G92	Grid Receptor 92
651344	4078373	0.0053	214.3	0	ANNUAL	G93	Grid Receptor 93
651344	4077973	0.00361	248.4	0	ANNUAL	G94	Grid Receptor 94
651344	4077573	0.00907	213.2	0	ANNUAL	G95	Grid Receptor 95
651344	4077173	0.0113	213.6	0	ANNUAL	G96	Grid Receptor 96
651344	4076773	0.01707	203.5	0	ANNUAL	G97	Grid Receptor 97
651344	4076373	0.01823	205.6	0	ANNUAL	G98	Grid Receptor 98
651344	4075973	0.01992	205.8	0	ANNUAL	G99	Grid Receptor 99
648584.2	4077523	0.09124	183.61	0	ANNUAL	P1	Boundary Perimeter 1
649484.1	4077537	0.00881	254.01	0	ANNUAL	P10	Boundary Perimeter 10
649584	4077539	0.01017	235.3	0	ANNUAL	P11	Boundary Perimeter 11
649684	4077540	0.01212	221.29	0	ANNUAL	P12	Boundary Perimeter 12
649784	4077541	0.0116	222.37	0	ANNUAL	P13	Boundary Perimeter 13
649884	4077542	0.00948	233.6	0	ANNUAL	P14	Boundary Perimeter 14
649984	4077543	0.00767	249.54	0	ANNUAL	P15	Boundary Perimeter 15
650083.9	4077546	0.00694	258.89	0	ANNUAL	P16	Boundary Perimeter 16
650183.9	4077548	0.00665	259.56	0	ANNUAL	P17	Boundary Perimeter 17
650283.9	4077550	0.00643	256.77	0	ANNUAL	P18	Boundary Perimeter 18
650383.8	4077552	0.00723	242.37	0	ANNUAL	P19	Boundary Perimeter 19

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648684.2	4077525	0.03903	197.16	0	ANNUAL	P2	Boundary Perimeter 2
650483.8	4077554	0.00701	242.23	0	ANNUAL	P20	Boundary Perimeter 20
650583.8	4077557	0.0056	259.71	0	ANNUAL	P21	Boundary Perimeter 21
650683.8	4077559	0.00549	257.58	0	ANNUAL	P22	Boundary Perimeter 22
650776.8	4077554	0.00486	267.9	0	ANNUAL	P23	Boundary Perimeter 23
650778.9	4077454	0.00503	275.91	0	ANNUAL	P24	Boundary Perimeter 24
650781	4077354	0.00575	265.73	0	ANNUAL	P25	Boundary Perimeter 25
650783.1	4077254	0.00702	251.08	0	ANNUAL	P26	Boundary Perimeter 26
650785.2	4077154	0.00742	252.83	0	ANNUAL	P27	Boundary Perimeter 27
650787.3	4077054	0.00858	246.1	0	ANNUAL	P28	Boundary Perimeter 28
650789.4	4076954	0.00974	241.37	0	ANNUAL	P29	Boundary Perimeter 29
648784.2	4077527	0.0239	209.74	0	ANNUAL	Р3	Boundary Perimeter 3
650791.5	4076854	0.00955	246.79	0	ANNUAL	P30	Boundary Perimeter 30
650793.6	4076754	0.01262	228.75	0	ANNUAL	P31	Boundary Perimeter 31
650754.4	4076683	0.0162	217.76	0	ANNUAL	P32	Boundary Perimeter 32
650660.2	4076650	0.01607	221.2	0	ANNUAL	P33	Boundary Perimeter 33
650561.4	4076650	0.01707	220.83	0	ANNUAL	P34	Boundary Perimeter 34
650462.7	4076666	0.0171	223.42	0	ANNUAL	P35	Boundary Perimeter 35
650364	4076682	0.01831	222.46	0	ANNUAL	P36	Boundary Perimeter 36
650264.2	4076683	0.01927	223.19	0	ANNUAL	P37	Boundary Perimeter 37
650164.7	4076674	0.02119	222.1	0	ANNUAL	P38	Boundary Perimeter 38
650065.8	4076660	0.02527	217.03	0	ANNUAL	P39	Boundary Perimeter 39
648884.2	4077529	0.01868	214.25	0	ANNUAL	P4	Boundary Perimeter 4
649980.4	4076627	0.02867	214.82	0	ANNUAL	P40	Boundary Perimeter 40
649920.3	4076547	0.031	214.91	0	ANNUAL	P41	Boundary Perimeter 41
649852.2	4076474	0.03348	214.09	0	ANNUAL	P42	Boundary Perimeter 42
649770.7	4076417	0.0376	211.53	0	ANNUAL	P43	Boundary Perimeter 43
649680.5	4076375	0.0438	210.17	0	ANNUAL	P44	Boundary Perimeter 44
649580.9	4076368	0.05018	208.52	0	ANNUAL	P45	Boundary Perimeter 45
649482.5	4076384	0.05652	207.5	0	ANNUAL	P46	Boundary Perimeter 46
649391.6	4076425	0.0663	205.17	0	ANNUAL	P47	Boundary Perimeter 47
649303.5	4076472	0.08036	202.16	0	ANNUAL	P48	Boundary Perimeter 48

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\mathbf{X}	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
649226.2	4076535	0.1068	196.38	0	ANNUAL	P49	Boundary Perimeter 49
648984.1	4077530	0.01605	221.41	0	ANNUAL	P5	Boundary Perimeter 5
649156.2	4076605	0.12158	195.87	0	ANNUAL	P50	Boundary Perimeter 50
649068.3	4076653	0.14175	196.32	0	ANNUAL	P51	Boundary Perimeter 51
648986.7	4076711	0.19947	192.42	0	ANNUAL	P52	Boundary Perimeter 52
648936.5	4076759	0.23251	192.46	0	ANNUAL	P53	Boundary Perimeter 53
648868.6	4076833	0.31679	191.63	0	ANNUAL	P54	Boundary Perimeter 54
648797.2	4076902	0.66656	186.32	0	ANNUAL	P55	Boundary Perimeter 55
648710.6	4076952	2.26116	179.81	0	ANNUAL	P56	Boundary Perimeter 56
648620.8	4076996	2.99002	176.23	0	ANNUAL	P57	Boundary Perimeter 57
648607.2	4077051	1.48597	175.02	0	ANNUAL	P58	Boundary Perimeter 58
648680.1	4077119	0.35101	180.62	0	ANNUAL	P59	Boundary Perimeter 59
649084.1	4077532	0.01602	216.54	0	ANNUAL	P6	Boundary Perimeter 6
648759.2	4077180	0.16324	183.47	0	ANNUAL	P60	Boundary Perimeter 60
648791.4	4077262	0.04675	202.88	0	ANNUAL	P61	Boundary Perimeter 61
648788.5	4077362	0.10923	178.21	0	ANNUAL	P62	Boundary Perimeter 62
648691.3	4077361	0.14113	176.25	0	ANNUAL	P63	Boundary Perimeter 63
648591.4	4077357	0.18591	176	0	ANNUAL	P64	Boundary Perimeter 64
648525.7	4077371	0.21715	175.24	0	ANNUAL	P65	Boundary Perimeter 65
648586.9	4077430	0.15663	175.13	0	ANNUAL	P66	Boundary Perimeter 66
649184.1	4077534	0.01238	230.71	0	ANNUAL	P7	Boundary Perimeter 7
649284.1	4077535	0.01008	248.08	0	ANNUAL	P8	Boundary Perimeter 8
649384.1	4077536	0.00909	258.43	0	ANNUAL	P9	Boundary Perimeter 9
645930	4077983	0.29466	127.38	0	ANNUAL	RP_G1	New Development
645930	4078083	0.2548	127.58	0	ANNUAL	RP_G10	New Development
646030	4078083	0.26865	130.56	0	ANNUAL	RP_G11	New Development
646130	4078083	0.28094	134.35	0	ANNUAL	RP_G12	New Development
646230	4078083	0.29436	139.22	0	ANNUAL	RP_G13	New Development
646330	4078083	0.30528	144.65	0	ANNUAL	RP_G14	New Development
646430	4078083	0.31235	142.28	0	ANNUAL	RP_G15	New Development
646530	4078083	0.32297	146.76	0	ANNUAL	RP_G16	New Development
646630	4078083	0.32716	150.64	0	ANNUAL	RP_G17	New Development

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15:31:43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
646730	4078083	0.31983	155.4	0	ANNUAL	RP_G18	New Development
645930	4078183	0.22426	127.22	0	ANNUAL	RP_G19	New Development
646030	4077983	0.31445	131.21	0	ANNUAL	RP_G2	New Development
646030	4078183	0.23702	130.56	0	ANNUAL	RP_G20	New Development
646130	4078183	0.24735	133.89	0	ANNUAL	RP_G21	New Development
646230	4078183	0.26186	140.45	0	ANNUAL	RP_G22	New Development
646330	4078183	0.26893	146.94	0	ANNUAL	RP_G23	New Development
646430	4078183	0.27287	140.23	0	ANNUAL	RP_G24	New Development
646530	4078183	0.286	147.25	0	ANNUAL	RP_G25	New Development
646630	4078183	0.28747	151.56	0	ANNUAL	RP_G26	New Development
646730	4078183	0.26935	157.78	0	ANNUAL	RP_G27	New Development
645930	4078283	0.19916	126.06	0	ANNUAL	RP_G28	New Development
646030	4078283	0.21049	129.56	0	ANNUAL	RP_G29	New Development
646130	4077983	0.32921	135.89	0	ANNUAL	RP_G3	New Development
646130	4078283	0.22035	132.89	0	ANNUAL	RP_G30	New Development
646230	4078283	0.23392	139.24	0	ANNUAL	RP_G31	New Development
646330	4078283	0.24271	142.68	0	ANNUAL	RP_G32	New Development
646430	4078283	0.24394	140.02	0	ANNUAL	RP_G33	New Development
646530	4078283	0.25408	147.22	0	ANNUAL	RP_G34	New Development
646630	4078283	0.25102	151.56	0	ANNUAL	RP_G35	New Development
646730	4078283	0.23569	156.78	0	ANNUAL	RP_G36	New Development
646230	4077983	0.33996	139.18	0	ANNUAL	RP_G4	New Development
646330	4077983	0.34973	140.76	0	ANNUAL	RP_G5	New Development
646430	4077983	0.36249	143.89	0	ANNUAL	RP_G6	New Development
646530	4077983	0.37231	145.22	0	ANNUAL	RP_G7	New Development
646630	4077983	0.38136	147.21	0	ANNUAL	RP_G8	New Development
646730	4077983	0.39226	148.3	0	ANNUAL	RP_G9	New Development
648659.3	4077241	0.06168	205.79	0	ANNUAL	RP_H1	House 1
648071.2	4076116	0.19523	169.6	0	ANNUAL	RP_H10	House 10
648247.4	4076278	0.17805	184.55	0	ANNUAL	RP_H11	House 11
648027.2	4076255	0.22991	169.38	0	ANNUAL	RP_H12	House 12
648065.8	4076359	0.25053	173.83	0	ANNUAL	RP_H13	House 13

* AERMOD (19191): Appendix B Attachment

10/05/21

* AERMET (21112): John Smith Road DPM Grnd 2020

15:31:43

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648138.7	4076400	0.24698	178.22	0	ANNUAL	RP_H14	House 14
648254.7	4076411	0.1692	191.28	0	ANNUAL	RP_H15	House 15
647877.8	4076365	0.25943	165.39	0	ANNUAL	RP_H16	House 16
647520	4076206	0.17372	159	0	ANNUAL	RP_H17	House 17
647921	4076247	0.2284	164	0	ANNUAL	RP_H18	House 18
647708.8	4076352	0.22533	163.52	0	ANNUAL	RP_H19	House 19
648371.7	4075470	0.10731	173.69	0	ANNUAL	RP_H2	House 2
647703.6	4076251	0.20108	162.17	0	ANNUAL	RP_H20	House 20
647718.8	4076104	0.1753	159.35	0	ANNUAL	RP_H21	House 21
647843.3	4076125	0.18771	163	0	ANNUAL	RP_H22	House 22
647842.3	4076500	0.29978	167.93	0	ANNUAL	RP_H23	House 23
647727.8	4076644	0.36266	164.15	0	ANNUAL	RP_H24	House 24
647823.9	4076644	0.38242	168.29	0	ANNUAL	RP_H25	House 25
647530	4076497	0.24561	159.56	0	ANNUAL	RP_H26	House 26
647810.1	4076854	0.80807	162.9	0	ANNUAL	RP_H27	House 27
647697.5	4076989	0.94174	161.42	0	ANNUAL	RP_H28	House 28
648225.5	4076182	0.16235	183.22	0	ANNUAL	RP_H29	House 29
647678.2	4075969	0.14892	159.5	0	ANNUAL	RP_H3	House 3
645876.3	4077487	0.39078	127.13	0	ANNUAL	RP_H30	House 30
650902	4076062	0.01896	215.24	0	ANNUAL	RP_H31	House 31
651490	4076597	0.01604	205.5	0	ANNUAL	RP_H32	House 32
651565	4077067	0.01087	213.93	0	ANNUAL	RP_H33	House 33
648672.8	4075307	0.03222	225.91	0	ANNUAL	RP_H34	House 34
648383.6	4075469	0.10638	174.44	0	ANNUAL	RP_H35	House 35
646379.4	4077233	0.49049	146	0	ANNUAL	RP_H36	House 36
651849.7	4075865	0.01811	201.97	0	ANNUAL	RP_H37	House 37
652045.5	4076210	0.01714	196.88	0	ANNUAL	RP_H38	House 38
652255.7	4076391	0.01485	197.06	0	ANNUAL	RP_H39	House 39
647815.3	4075985	0.15991	162.04	0	ANNUAL	RP_H4	House 4
646853.7	4077373	1.26906	145.99	0	ANNUAL	RP_H40	House 40
647050.2	4077360	1.19388	145	0	ANNUAL	RP_H41	House 41
647286.4	4077474	2.84064	149.68	0	ANNUAL	RP_H42	House 42

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\mathbf{X}	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
647359.1	4077340	1.23817	154.45	0	ANNUAL	RP_H43	House 43
647490.4	4077329	1.3073	162.28	0	ANNUAL	RP_H44	House 44
647522.2	4077252	1.01958	164.3	0	ANNUAL	RP_H45	House 45
647517.8	4077139	0.711	164.01	0	ANNUAL	RP_H46	House 46
646819	4077258	0.67806	151.53	0	ANNUAL	RP_H47	House 47
646778.7	4077128	0.36597	158.51	0	ANNUAL	RP_H48	House 48
646987.3	4077213	0.68577	146.44	0	ANNUAL	RP_H49	House 49
647898.2	4076033	0.17304	163.83	0	ANNUAL	RP_H5	House 5
647241.8	4077227	0.72403	154.85	0	ANNUAL	RP_H50	House 50
646773.1	4077063	0.31643	159	0	ANNUAL	RP_H51	House 51
647104.4	4077118	0.54941	148.99	0	ANNUAL	RP_H52	House 52
647291.9	4077123	0.54643	158.62	0	ANNUAL	RP_H53	House 53
646765.2	4076978	0.27352	158.67	0	ANNUAL	RP_H54	House 54
646995.7	4076984	0.38397	152.34	0	ANNUAL	RP_H55	House 55
647317.2	4077031	0.44823	160.22	0	ANNUAL	RP_H56	House 56
647398.4	4077013	0.46452	161.26	0	ANNUAL	RP_H57	House 57
646978.9	4076904	0.30395	156.81	0	ANNUAL	RP_H58	House 58
647015.2	4076807	0.27141	156.21	0	ANNUAL	RP_H59	House 59
648045.4	4076018	0.17507	168.26	0	ANNUAL	RP_H6	House 6
647164	4076802	0.30438	154.38	0	ANNUAL	RP_H60	House 60
647310.6	4076940	0.35754	162.49	0	ANNUAL	RP_H61	House 61
647298.1	4076805	0.31958	158	0	ANNUAL	RP_H62	House 62
647446.6	4076900	0.4152	159.45	0	ANNUAL	RP_H63	House 63
647464.5	4076781	0.3516	159.32	0	ANNUAL	RP_H64	House 64
647512	4076536	0.25635	159	0	ANNUAL	RP_H65	House 65
651131	4078767	0.0092	179.58	0	ANNUAL	RP_H66	House 66
647131	4077336	1.08371	146.77	0	ANNUAL	RP_H67	House 67
646798	4076740	0.21161	156.07	0	ANNUAL	RP_H68	House 68
646900	4076802	0.23296	159	0	ANNUAL	RP_H69	House 69
648126.3	4075955	0.16116	171.51	0	ANNUAL	RP_H7	House 7
647317	4076662	0.25976	159.9	0	ANNUAL	RP_H70	House 70
648249.3	4075970	0.12869	183.42	0	ANNUAL	RP_H8	House 8

* AERMOD (19191): Appendix B Attachment

10/05/21

* AERMET (21112): John Smith Road DPM Grnd 2020

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	ID	Description
648218.6	4076109	0.15284	182.28	0	ANNUAL	RP_H9	House 9

* AERMOD (19191): Appendix B Attachment Flare

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 1-hr 2018

14:01:17

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

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	ID	Description	AVE	ZFLAG	ZELEV	AVERAGE CONC	Y	X
	AQ_ST_1	AQ Monitoring Station	1-HR	1.5	123.85	0.07278	4078698	645996
	CR_HP_1	Hazel Hawkins Memorial Hospital	1-HR	1.5	105.68	0.0425	4077719	643904
	CR_PK_1	Dunne Park	1-HR	1.5	85.12	0.04479	4079416	642057
	CR_PK_2	Vista Park Hill Park	1-HR	1.5	117.99	0.03488	4079950	642179
	CR_PK_3	Las Brisas Park	1-HR	1.5	106.44	0.03967	4078753	644733
	CR_PK_4	Frank Klauer Memorial Park	1-HR	1.5	112.86	0.06755	4078854	645609
	CR_PK_5	Veterans Memorial Park	1-HR	1.5	95.25	0.04731	4078807	644238
	CR_PK_6	Park 6	1-HR	1.5	134.61	0.10089	4076559	645311
	CR_PK_7	Park 7	1-HR	1.5	159.96	0.04028	4073424	649582
	CR_SC_1	Cerra Vista Elem School	1-HR	1.5	133	0.06469	4077181	645145
	CR_SC_10	San Andreas Continuation	1-HR	1.5	86	0.03536	4079955	642905
	CR_SC_11	SouthSide School	1-HR	1.5	123	0.04215	4074015	645851
	CR_SC_12	School 12	1-HR	1.5	91	0.03394	4078176	642106
School 1	CR_SC_13	Rancho Santana School	1-HR	1.5	128.52	0.07006	4078443	646059
School 2	CR_SC_14	Future School	1-HR	1.5	158	0.08819	4075575	647269
	CR_SC_15	Tres Pinos Union Elementary School	1-HR	1.5	159	0.03308	4074106	648466
	CR_SC_2	Sunnyslope Elem School	1-HR	1.5	98.2	0.05441	4078389	644110
	CR_SC_3	Hollister Montessori School	1-HR	1.5	101.23	0.05154	4077304	643920
	CR_SC_4	Rancho San Justo Middle School	1-HR	1.5	92	0.04245	4078621	642961
	CR_SC_5	Marguerite Maze Middle School	1-HR	1.5	88	0.05113	4079743	643980
	CR_SC_6	Hollister Prep Schoo	1-HR	1.5	85	0.03927	4079153	641630
	CR_SC_7	Ladd Lane Elementary School	1-HR	1.5	98.22	0.05699	4077181	643350
	CR_SC_8	Gabilan Hills Elementary School	1-HR	1.5	87	0.05258	4080079	644003
	CR_SC_9	San Benito High School	1-HR	1.5	90.17	0.03435	4078413	642245
	CR_SR_1	Jovenes De Antano	1-HR	1.5	87.58	0.03554	4079794	642083
MEIW	CR_WP_1	Workplace	1-HR	1.5	146.33	0.10747	4076879	646402
	CR_WP_2	Nearest Workplace	1-HR	1.5	189.45	0.10247	4077938	648949
	G1	Grid Receptor 1	1-HR	1.5	155.2	0.11726	4079173	647744
	G10	Grid Receptor 10	1-HR	1.5	160	0.03797	4075573	647744
	G100	Grid Receptor 100	1-HR	1.5	252.9	0.23982	4075573	651344
	G11	Grid Receptor 11	1-HR	1.5	165.9	0.0689	4079173	648144
	G12	Grid Receptor 12	1-HR	1.5	159.6	0.11053	4078773	648144

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 1-hr 2018

14:01:17

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.12596	146.2	1.5	1-HR	Grid Receptor 13	G13
648144	4077973	0.10203	158.3	1.5	1-HR	Grid Receptor 14	G14
648144	4077573	0.11897	166.6	1.5	1-HR	Grid Receptor 15	G15
648144	4077173	0.10087	175.4	1.5	1-HR	Grid Receptor 16	G16
648144	4076773	0.13059	177.1	1.5	1-HR	Grid Receptor 17	G17
648144	4076373	0.13034	178	1.5	1-HR	Grid Receptor 18	G18
648144	4075973	0.08709	173	1.5	1-HR	Grid Receptor 19	G19
647744	4078773	0.10396	145.4	1.5	1-HR	Grid Receptor 2	G2
648144	4075573	0.10216	168.8	1.5	1-HR	Grid Receptor 20	G20
648544	4079173	0.0737	173.5	1.5	1-HR	Grid Receptor 21	G21
648544	4078773	0.05736	166.2	1.5	1-HR	Grid Receptor 22	G22
648544	4078373	0.06418	145.4	1.5	1-HR	Grid Receptor 23	G23
648544	4077973	0.12535	173.9	1.5	1-HR	Grid Receptor 24	G24
648544	4077573	0.12451	179.6	1.5	1-HR	Grid Receptor 25	G25
648544	4077173	0.15364	191	1.5	1-HR	Grid Receptor 26	G26
648544	4076773	0.22148	209.2	1.5	1-HR	Grid Receptor 27	G27
648544	4076373	0.13502	233.7	1.5	1-HR	Grid Receptor 28	G28
648544	4075973	0.07588	199.9	1.5	1-HR	Grid Receptor 29	G29
647744	4078373	0.08513	144.4	1.5	1-HR	Grid Receptor 3	G3
648544	4075573	0.06558	195.5	1.5	1-HR	Grid Receptor 30	G30
648944	4079173	0.10893	190.4	1.5	1-HR	Grid Receptor 31	G31
648944	4078773	0.10764	165.4	1.5	1-HR	Grid Receptor 32	G32
648944	4078373	0.10642	159.6	1.5	1-HR	Grid Receptor 33	G33
648944	4077973	0.10131	183.5	1.5	1-HR	Grid Receptor 34	G34
648944	4077573	0.11705	224	1.5	1-HR	Grid Receptor 35	G35
648944	4076373	0.15379	205	1.5	1-HR	Grid Receptor 38	G38
648944	4075973	0.11004	208.8	1.5	1-HR	Grid Receptor 39	G39
647744	4077973	0.09223	134.6	1.5	1-HR	Grid Receptor 4	G4
648944	4075573	0.05372	185.6	1.5	1-HR	Grid Receptor 40	G40
649344	4079173	0.04992	187.4	1.5	1-HR	Grid Receptor 41	G41
649344	4078773	0.05008	160.9	1.5	1-HR	Grid Receptor 42	G42
649344	4078373	0.05972	200.5	1.5	1-HR	Grid Receptor 43	G43

09/30/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.06672	229	1.5	1-HR	Grid Receptor 44	G44
649344	4077573	0.46334	253.3	1.5	1-HR	Grid Receptor 45	G45
649344	4076373	0.41203	220.2	1.5	1-HR	Grid Receptor 48	G48
649344	4075973	0.15448	227.2	1.5	1-HR	Grid Receptor 49	G49
647744	4077573	0.09727	163.8	1.5	1-HR	Grid Receptor 5	G5
649344	4075573	0.14016	205.5	1.5	1-HR	Grid Receptor 50	G50
649744	4079173	0.05893	176.1	1.5	1-HR	Grid Receptor 51	G51
649744	4078773	0.08305	195	1.5	1-HR	Grid Receptor 52	G52
649744	4078373	0.10099	196.1	1.5	1-HR	Grid Receptor 53	G53
649744	4077973	0.10427	215.3	1.5	1-HR	Grid Receptor 54	G54
649744	4077573	0.07782	221.6	1.5	1-HR	Grid Receptor 55	G55
649744	4076373	0.18426	211.7	1.5	1-HR	Grid Receptor 58	G58
649744	4075973	0.20033	237.7	1.5	1-HR	Grid Receptor 59	G59
647744	4077173	0.07472	158.4	1.5	1-HR	Grid Receptor 6	G6
649744	4075573	0.18619	204.2	1.5	1-HR	Grid Receptor 60	G60
650144	4079173	0.09728	173	1.5	1-HR	Grid Receptor 61	G61
650144	4078773	0.08401	171	1.5	1-HR	Grid Receptor 62	G62
650144	4078373	0.061	204.6	1.5	1-HR	Grid Receptor 63	G63
650144	4077973	0.07146	216.5	1.5	1-HR	Grid Receptor 64	G64
650144	4077573	0.50713	257.7	1.5	1-HR	Grid Receptor 65	G65
650144	4076373	0.17749	231.4	1.5	1-HR	Grid Receptor 68	G68
650144	4075973	0.34616	249.4	1.5	1-HR	Grid Receptor 69	G69
647744	4076773	0.14239	164.7	1.5	1-HR	Grid Receptor 7	G7
650144	4075573	0.1168	216.4	1.5	1-HR	Grid Receptor 70	G70
650544	4079173	0.0423	177	1.5	1-HR	Grid Receptor 71	G71
650544	4078773	0.03559	180.9	1.5	1-HR	Grid Receptor 72	G72
650544	4078373	0.0616	196.6	1.5	1-HR	Grid Receptor 73	G73
650544	4077973	0.07752	236.9	1.5	1-HR	Grid Receptor 74	G74
650544	4077573	0.52352	261.3	1.5	1-HR	Grid Receptor 75	G75
650544	4076373	0.6278	260.9	1.5	1-HR	Grid Receptor 78	G78
650544	4075973	0.11331	226.7	1.5	1-HR	Grid Receptor 79	G79
647744	4076373	0.13736	164	1.5	1-HR	Grid Receptor 8	G8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.62986	268.2	1.5	1-HR	Grid Receptor 80	G80
650944	4079173	0.03729	181.3	1.5	1-HR	Grid Receptor 81	G81
650944	4078773	0.05139	178.4	1.5	1-HR	Grid Receptor 82	G82
650944	4078373	0.06648	214.8	1.5	1-HR	Grid Receptor 83	G83
650944	4077973	0.25432	249.9	1.5	1-HR	Grid Receptor 84	G84
650944	4077573	0.66985	276.5	1.5	1-HR	Grid Receptor 85	G85
650944	4077173	0.08843	225.6	1.5	1-HR	Grid Receptor 86	G86
650944	4076773	0.12921	219.8	1.5	1-HR	Grid Receptor 87	G87
650944	4076373	0.09464	209.2	1.5	1-HR	Grid Receptor 88	G88
650944	4075973	0.08538	216.6	1.5	1-HR	Grid Receptor 89	G89
647744	4075973	0.13662	160.7	1.5	1-HR	Grid Receptor 9	G9
650944	4075573	0.12283	243.2	1.5	1-HR	Grid Receptor 90	G90
651344	4079173	0.04905	191	1.5	1-HR	Grid Receptor 91	G91
651344	4078773	0.05378	181	1.5	1-HR	Grid Receptor 92	G92
651344	4078373	0.05511	214.3	1.5	1-HR	Grid Receptor 93	G93
651344	4077973	0.20607	248.4	1.5	1-HR	Grid Receptor 94	G94
651344	4077573	0.06407	213.2	1.5	1-HR	Grid Receptor 95	G95
651344	4077173	0.07044	213.6	1.5	1-HR	Grid Receptor 96	G96
651344	4076773	0.13646	203.5	1.5	1-HR	Grid Receptor 97	G97
651344	4076373	0.084	205.6	1.5	1-HR	Grid Receptor 98	G98
651344	4075973	0.06701	205.8	1.5	1-HR	Grid Receptor 99	G99
648584	4077523	0.12896	183.61	1.5	1-HR	Boundary Perimeter 1	P1
649484	4077537	0.49956	254.01	1.5	1-HR	Boundary Perimeter 10	P10
649584	4077539	0.08405	235.3	1.5	1-HR	Boundary Perimeter 11	P11
649684	4077540	0.09163	221.29	1.5	1-HR	Boundary Perimeter 12	P12
649784	4077541	0.0594	222.37	1.5	1-HR	Boundary Perimeter 13	P13
649884	4077542	0.09143	233.6	1.5	1-HR	Boundary Perimeter 14	P14
649984	4077543	0.31402	249.54	1.5	1-HR	Boundary Perimeter 15	P15
650084	4077546	0.54683	258.89	1.5	1-HR	Boundary Perimeter 16	P16
650184	4077548	0.57621	259.56	1.5	1-HR	Boundary Perimeter 17	P17
650284	4077550	0.46554	256.77	1.5	1-HR	Boundary Perimeter 18	P18
650384	4077552	0.13029	242.37	1.5	1-HR	Boundary Perimeter 19	P19

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.13149	197.16	1.5	1-HR	Boundary Perimeter 2	P2
650484	4077554	0.13155	242.23	1.5	1-HR	Boundary Perimeter 20	P20
650584	4077557	0.52823	259.71	1.5	1-HR	Boundary Perimeter 21	P21
650684	4077559	0.48884	257.58	1.5	1-HR	Boundary Perimeter 22	P22
650777	4077554	0.71605	267.9	1.5	1-HR	Boundary Perimeter 23	P23
650779	4077454	0.60625	275.91	1.5	1-HR	Boundary Perimeter 24	P24
650781	4077354	0.58663	265.73	1.5	1-HR	Boundary Perimeter 25	P25
650783	4077254	0.26297	251.08	1.5	1-HR	Boundary Perimeter 26	P26
650785	4077154	0.31223	252.83	1.5	1-HR	Boundary Perimeter 27	P27
650787	4077054	0.15876	246.1	1.5	1-HR	Boundary Perimeter 28	P28
650789	4076954	0.10878	241.37	1.5	1-HR	Boundary Perimeter 29	P29
648784	4077527	0.15756	209.74	1.5	1-HR	Boundary Perimeter 3	Р3
650791	4076854	0.19651	246.79	1.5	1-HR	Boundary Perimeter 30	P30
650794	4076754	0.12443	228.75	1.5	1-HR	Boundary Perimeter 31	P31
650754	4076683	0.13452	217.76	1.5	1-HR	Boundary Perimeter 32	P32
650660	4076650	0.1301	221.2	1.5	1-HR	Boundary Perimeter 33	P33
650561	4076650	0.12831	220.83	1.5	1-HR	Boundary Perimeter 34	P34
650463	4076666	0.13886	223.42	1.5	1-HR	Boundary Perimeter 35	P35
650364	4076682	0.15721	222.46	1.5	1-HR	Boundary Perimeter 36	P36
650264	4076683	0.17231	223.19	1.5	1-HR	Boundary Perimeter 37	P37
650165	4076674	0.18854	222.1	1.5	1-HR	Boundary Perimeter 38	P38
650066	4076660	0.20614	217.03	1.5	1-HR	Boundary Perimeter 39	P39
648884	4077529	0.1549	214.25	1.5	1-HR	Boundary Perimeter 4	P4
649980	4076627	0.22013	214.82	1.5	1-HR	Boundary Perimeter 40	P40
649920	4076547	0.23212	214.91	1.5	1-HR	Boundary Perimeter 41	P41
649852	4076474	0.25754	214.09	1.5	1-HR	Boundary Perimeter 42	P42
649771	4076417	0.20797	211.53	1.5	1-HR	Boundary Perimeter 43	P43
649680	4076375	0.21485	210.17	1.5	1-HR	Boundary Perimeter 44	P44
649581	4076368	0.26115	208.52	1.5	1-HR	Boundary Perimeter 45	P45
649482	4076384	0.33279	207.5	1.5	1-HR	Boundary Perimeter 46	P46
649392	4076425	0.35535	205.17	1.5	1-HR	Boundary Perimeter 47	P47
649304	4076472	0.20009	202.16	1.5	1-HR	Boundary Perimeter 48	P48

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 * AVERAGE CONC. ZELEV. ZELAG. AVE

\mathbf{X}	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
649226	4076535	0.16189	196.38	1.5	1-HR	Boundary Perimeter 49	P49	
648984	4077530	0.10446	221.41	1.5	1-HR	Boundary Perimeter 5	P5	
649156	4076605	0.23447	195.87	1.5	1-HR	Boundary Perimeter 50	P50	
649068	4076653	0.42518	196.32	1.5	1-HR	Boundary Perimeter 51	P51	
648987	4076711	0.36459	192.42	1.5	1-HR	Boundary Perimeter 52	P52	
648937	4076759	0.28563	192.46	1.5	1-HR	Boundary Perimeter 53	P53	
648869	4076833	0.25477	191.63	1.5	1-HR	Boundary Perimeter 54	P54	
648797	4076902	0.21086	186.32	1.5	1-HR	Boundary Perimeter 55	P55	
648711	4076952	0.18898	179.81	1.5	1-HR	Boundary Perimeter 56	P56	
648621	4076996	0.16603	176.23	1.5	1-HR	Boundary Perimeter 57	P57	
648607	4077051	0.1476	175.02	1.5	1-HR	Boundary Perimeter 58	P58	
648680	4077119	0.16147	180.62	1.5	1-HR	Boundary Perimeter 59	P59	
649084	4077532	0.10666	216.54	1.5	1-HR	Boundary Perimeter 6	P6	
648759	4077180	0.16117	183.47	1.5	1-HR	Boundary Perimeter 60	P60	
648791	4077262	0.17536	202.88	1.5	1-HR	Boundary Perimeter 61	P61	
648788	4077362	0.14147	178.21	1.5	1-HR	Boundary Perimeter 62	P62	
648691	4077361	0.13825	176.25	1.5	1-HR	Boundary Perimeter 63	P63	
648591	4077357	0.14832	176	1.5	1-HR	Boundary Perimeter 64	P64	
648526	4077371	0.1477	175.24	1.5	1-HR	Boundary Perimeter 65	P65	
648587	4077430	0.13932	175.13	1.5	1-HR	Boundary Perimeter 66	P66	
649184	4077534	0.10205	230.71	1.5	1-HR	Boundary Perimeter 7	P7	
649284	4077535	0.33058	248.08	1.5	1-HR	Boundary Perimeter 8	P8	
649384	4077536	0.73471	258.43	1.5	1-HR	Boundary Perimeter 9	P9	PMI
645930	4077983	0.06486	127.38	1.5	1-HR	New Development	RP_G1	
645930	4078083	0.05713	127.58	1.5	1-HR	New Development	RP_G10	
646030	4078083	0.05353	130.56	1.5	1-HR	New Development	RP_G11	
646130	4078083	0.04937	134.35	1.5	1-HR	New Development	RP_G12	
646230	4078083	0.0542	139.22	1.5	1-HR	New Development	RP_G13	
646330	4078083	0.06058	144.65	1.5	1-HR	New Development	RP_G14	
646430	4078083	0.06599	142.28	1.5	1-HR	New Development	RP_G15	
646530	4078083	0.07207	146.76	1.5	1-HR	New Development	RP_G16	
646630	4078083	0.07765	150.64	1.5	1-HR	New Development	RP_G17	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.08264	155.4	1.5	1-HR	New Development	RP_G18
645930	4078183	0.04735	127.22	1.5	1-HR	New Development	RP_G19
646030	4077983	0.06269	131.21	1.5	1-HR	New Development	RP_G2
646030	4078183	0.05126	130.56	1.5	1-HR	New Development	RP_G20
646130	4078183	0.05692	133.89	1.5	1-HR	New Development	RP_G21
646230	4078183	0.06305	140.45	1.5	1-HR	New Development	RP_G22
646330	4078183	0.06918	146.94	1.5	1-HR	New Development	RP_G23
646430	4078183	0.07306	140.23	1.5	1-HR	New Development	RP_G24
646530	4078183	0.07834	147.25	1.5	1-HR	New Development	RP_G25
646630	4078183	0.08239	151.56	1.5	1-HR	New Development	RP_G26
646730	4078183	0.08566	157.78	1.5	1-HR	New Development	RP_G27
645930	4078283	0.05384	126.06	1.5	1-HR	New Development	RP_G28
646030	4078283	0.05921	129.56	1.5	1-HR	New Development	RP_G29
646130	4077983	0.05978	135.89	1.5	1-HR	New Development	RP_G3
646130	4078283	0.06451	132.89	1.5	1-HR	New Development	RP_G30
646230	4078283	0.07	139.24	1.5	1-HR	New Development	RP_G31
646330	4078283	0.0747	142.68	1.5	1-HR	New Development	RP_G32
646430	4078283	0.07777	140.02	1.5	1-HR	New Development	RP_G33
646530	4078283	0.08143	147.22	1.5	1-HR	New Development	RP_G34
646630	4078283	0.08348	151.56	1.5	1-HR	New Development	RP_G35
646730	4078283	0.0897	156.78	1.5	1-HR	New Development	RP_G36
646230	4077983	0.05601	139.18	1.5	1-HR	New Development	RP_G4
646330	4077983	0.0517	140.76	1.5	1-HR	New Development	RP_G5
646430	4077983	0.05688	143.89	1.5	1-HR	New Development	RP_G6
646530	4077983	0.06315	145.22	1.5	1-HR	New Development	RP_G7
646630	4077983	0.06943	147.21	1.5	1-HR	New Development	RP_G8
646730	4077983	0.07524	148.3	1.5	1-HR	New Development	RP_G9
648659	4077241	0.17523	205.79	1.5	1-HR	House 1	RP_H1
648071	4076116	0.13487	169.6	1.5	1-HR	House 10	RP_H10
648247	4076278	0.11494	184.55	1.5	1-HR	House 11	RP_H11
648027	4076255	0.10809	169.38	1.5	1-HR	House 12	RP_H12
648066	4076359	0.1267	173.83	1.5	1-HR	House 13	RP_H13

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
648139	4076400	0.14366	178.22	1.5	1-HR	House 14	RP_H14	
648255	4076411	0.14995	191.28	1.5	1-HR	House 15	RP_H15	
647878	4076365	0.13304	165.39	1.5	1-HR	House 16	RP_H16	
647520	4076206	0.08542	159	1.5	1-HR	House 17	RP_H17	
647921	4076247	0.10243	164	1.5	1-HR	House 18	RP_H18	
647709	4076352	0.13034	163.52	1.5	1-HR	House 19	RP_H19	
648372	4075470	0.08569	173.69	1.5	1-HR	House 2	RP_H2	
647704	4076251	0.09475	162.17	1.5	1-HR	House 20	RP_H20	
647719	4076104	0.12982	159.35	1.5	1-HR	House 21	RP_H21	
647843	4076125	0.13293	163	1.5	1-HR	House 22	RP_H22	
647842	4076500	0.17412	167.93	1.5	1-HR	House 23	RP_H23	
647728	4076644	0.17216	164.15	1.5	1-HR	House 24	RP_H24	
647824	4076644	0.17609	168.29	1.5	1-HR	House 25	RP_H25	MIER
647530	4076497	0.16217	159.56	1.5	1-HR	House 26	RP_H26	
647810	4076854	0.1111	162.9	1.5	1-HR	House 27	RP_H27	
647697	4076989	0.09762	161.42	1.5	1-HR	House 28	RP_H28	
648226	4076182	0.13226	183.22	1.5	1-HR	House 29	RP_H29	
647678	4075969	0.13812	159.5	1.5	1-HR	House 3	RP_H3	
645876	4077487	0.05888	127.13	1.5	1-HR	House 30	RP_H30	
650902	4076062	0.08238	215.24	1.5	1-HR	House 31	RP_H31	
651490	4076597	0.12069	205.5	1.5	1-HR	House 32	RP_H32	
651565	4077067	0.07728	213.93	1.5	1-HR	House 33	RP_H33	
648673	4075307	0.03576	225.91	1.5	1-HR	House 34	RP_H34	
648384	4075469	0.08276	174.44	1.5	1-HR	House 35	RP_H35	
646379	4077233	0.07012	146	1.5	1-HR	House 36	RP_H36	
651850	4075865	0.0613	201.97	1.5	1-HR	House 37	RP_H37	
652045	4076210	0.08536	196.88	1.5	1-HR	House 38	RP_H38	
652256	4076391	0.06477	197.06	1.5	1-HR	House 39	RP_H39	
647815	4075985	0.13479	162.04	1.5	1-HR	House 4	RP_H4	
646854	4077373	0.06696	145.99	1.5	1-HR	House 40	RP_H40	
647050	4077360	0.06599	145	1.5	1-HR	House 41	RP_H41	
647286	4077474	0.06307	149.68	1.5	1-HR	House 42	RP_H42	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.06378	154.45	1.5	1-HR	House 43	RP_H43
647490	4077329	0.06681	162.28	1.5	1-HR	House 44	RP_H44
647522	4077252	0.07153	164.3	1.5	1-HR	House 45	RP_H45
647518	4077139	0.08561	164.01	1.5	1-HR	House 46	RP_H46
646819	4077258	0.07495	151.53	1.5	1-HR	House 47	RP_H47
646779	4077128	0.07893	158.51	1.5	1-HR	House 48	RP_H48
646987	4077213	0.07731	146.44	1.5	1-HR	House 49	RP_H49
647898	4076033	0.13632	163.83	1.5	1-HR	House 5	RP_H5
647242	4077227	0.07768	154.85	1.5	1-HR	House 50	RP_H50
646773	4077063	0.07836	159	1.5	1-HR	House 51	RP_H51
647104	4077118	0.08274	148.99	1.5	1-HR	House 52	RP_H52
647292	4077123	0.08612	158.62	1.5	1-HR	House 53	RP_H53
646765	4076978	0.09503	158.67	1.5	1-HR	House 54	RP_H54
646996	4076984	0.09044	152.34	1.5	1-HR	House 55	RP_H55
647317	4077031	0.09037	160.22	1.5	1-HR	House 56	RP_H56
647398	4077013	0.09245	161.26	1.5	1-HR	House 57	RP_H57
646979	4076904	0.10937	156.81	1.5	1-HR	House 58	RP_H58
647015	4076807	0.12863	156.21	1.5	1-HR	House 59	RP_H59
648045	4076018	0.11969	168.26	1.5	1-HR	House 6	RP_H6
647164	4076802	0.13071	154.38	1.5	1-HR	House 60	RP_H60
647311	4076940	0.0986	162.49	1.5	1-HR	House 61	RP_H61
647298	4076805	0.13235	158	1.5	1-HR	House 62	RP_H62
647447	4076900	0.10647	159.45	1.5	1-HR	House 63	RP_H63
647464	4076781	0.13938	159.32	1.5	1-HR	House 64	RP_H64
647512	4076536	0.16549	159	1.5	1-HR	House 65	RP_H65
651131	4078767	0.05447	179.58	1.5	1-HR	House 66	RP_H66
647131	4077336	0.06734	146.77	1.5	1-HR	House 67	RP_H67
646798	4076740	0.13428	156.07	1.5	1-HR	House 68	RP_H68
646900	4076802	0.12877	159	1.5	1-HR	House 69	RP_H69
648126	4075955	0.08373	171.51	1.5	1-HR	House 7	RP_H7
647317	4076662	0.15753	159.9	1.5	1-HR	House 70	RP_H70
648249	4075970	0.0645	183.42	1.5	1-HR	House 8	RP_H8

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 1-hr 2018

14:01:17

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.12268	182.28	1.5	1-HR	House 9	RP_H9

09/30/21

* AERMET (21112): Future Flare SO2 (1.5m) 1-yr 2018

14:01:17

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.00081	123.85	1.5	ANNUAL	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.0006	105.68	1.5	ANNUAL	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	0.00063	85.12	1.5	ANNUAL	Dunne Park	CR_PK_1	
642179	4079950	0.00061	117.99	1.5	ANNUAL	Vista Park Hill Park	CR_PK_2	
644733	4078753	0.00077	106.44	1.5	ANNUAL	Las Brisas Park	CR_PK_3	
645609	4078854	0.00077	112.86	1.5	ANNUAL	Frank Klauer Memorial Park	CR_PK_4	
644238	4078807	0.00075	95.25	1.5	ANNUAL	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.00038	134.61	1.5	ANNUAL	Park 6	CR_PK_6	
649582	4073424	0.00046	159.96	1.5	ANNUAL	Park 7	CR_PK_7	
645145	4077181	0.00055	133	1.5	ANNUAL	Cerra Vista Elem School	CR_SC_1	
642905	4079955	0.00059	86	1.5	ANNUAL	San Andreas Continuation	CR_SC_10	
645851	4074015	0.00009	123	1.5	ANNUAL	SouthSide School	CR_SC_11	
642106	4078176	0.00054	91	1.5	ANNUAL	School 12	CR_SC_12	
646059	4078443	0.00085	128.52	1.5	ANNUAL	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.00016	158	1.5	ANNUAL	Future School	CR_SC_14	School 2
648466	4074106	0.00014	159	1.5	ANNUAL	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.00076	98.2	1.5	ANNUAL	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.00047	101.23	1.5	ANNUAL	Hollister Montessori School	CR_SC_3	
642961	4078621	0.00067	92	1.5	ANNUAL	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.00062	88	1.5	ANNUAL	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.0006	85	1.5	ANNUAL	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.00042	98.22	1.5	ANNUAL	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.00062	87	1.5	ANNUAL	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.00059	90.17	1.5	ANNUAL	San Benito High School	CR_SC_9	
642083	4079794	0.00062	87.58	1.5	ANNUAL	Jovenes De Antano	CR_SR_1	
646402	4076879	0.0006	146.33	1.5	ANNUAL	Workplace	CR_WP_1	MEIW
648949	4077938	0.00042	189.45	1.5	ANNUAL	Nearest Workplace	CR_WP_2	
647744	4079173	0.00062	155.2	1.5	ANNUAL	Grid Receptor 1	G1	
647744	4075573	0.00016	160	1.5	ANNUAL	Grid Receptor 10	G10	
651344	4075573	0.00444	252.9	1.5	ANNUAL	Grid Receptor 100	G100	
648144	4079173	0.00041	165.9	1.5	ANNUAL	Grid Receptor 11	G11	
648144	4078773	0.00057	159.6	1.5	ANNUAL	Grid Receptor 12	G12	

09/30/21

* AERMET (21112): Future Flare SO2 (1.5m) 1-yr 2018

14:01:17

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.00083	146.2	1.5	ANNUAL	Grid Receptor 13	G13
648144	4077973	0.00122	158.3	1.5	ANNUAL	Grid Receptor 14	G14
648144	4077573	0.00151	166.6	1.5	ANNUAL	Grid Receptor 15	G15
648144	4077173	0.00197	175.4	1.5	ANNUAL	Grid Receptor 16	G16
648144	4076773	0.00161	177.1	1.5	ANNUAL	Grid Receptor 17	G17
648144	4076373	0.00053	178	1.5	ANNUAL	Grid Receptor 18	G18
648144	4075973	0.00026	173	1.5	ANNUAL	Grid Receptor 19	G19
647744	4078773	0.00081	145.4	1.5	ANNUAL	Grid Receptor 2	G2
648144	4075573	0.00019	168.8	1.5	ANNUAL	Grid Receptor 20	G20
648544	4079173	0.00027	173.5	1.5	ANNUAL	Grid Receptor 21	G21
648544	4078773	0.00034	166.2	1.5	ANNUAL	Grid Receptor 22	G22
648544	4078373	0.00048	145.4	1.5	ANNUAL	Grid Receptor 23	G23
648544	4077973	0.00086	173.9	1.5	ANNUAL	Grid Receptor 24	G24
648544	4077573	0.0016	179.6	1.5	ANNUAL	Grid Receptor 25	G25
648544	4077173	0.00239	191	1.5	ANNUAL	Grid Receptor 26	G26
648544	4076773	0.00357	209.2	1.5	ANNUAL	Grid Receptor 27	G27
648544	4076373	0.00107	233.7	1.5	ANNUAL	Grid Receptor 28	G28
648544	4075973	0.00033	199.9	1.5	ANNUAL	Grid Receptor 29	G29
647744	4078373	0.00104	144.4	1.5	ANNUAL	Grid Receptor 3	G3
648544	4075573	0.00024	195.5	1.5	ANNUAL	Grid Receptor 30	G30
648944	4079173	0.00021	190.4	1.5	ANNUAL	Grid Receptor 31	G31
648944	4078773	0.00023	165.4	1.5	ANNUAL	Grid Receptor 32	G32
648944	4078373	0.00027	159.6	1.5	ANNUAL	Grid Receptor 33	G33
648944	4077973	0.0004	183.5	1.5	ANNUAL	Grid Receptor 34	G34
648944	4077573	0.00082	224	1.5	ANNUAL	Grid Receptor 35	G35
648944	4076373	0.00105	205	1.5	ANNUAL	Grid Receptor 38	G38
648944	4075973	0.00049	208.8	1.5	ANNUAL	Grid Receptor 39	G39
647744	4077973	0.00116	134.6	1.5	ANNUAL	Grid Receptor 4	G4
648944	4075573	0.00028	185.6	1.5	ANNUAL	Grid Receptor 40	G40
649344	4079173	0.00019	187.4	1.5	ANNUAL	Grid Receptor 41	G41
649344	4078773	0.0002	160.9	1.5	ANNUAL	Grid Receptor 42	G42
649344	4078373	0.00025	200.5	1.5	ANNUAL	Grid Receptor 43	G43

* AERMET (21112): Future Flare SO2 (1.5m) 1-yr 2018

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- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

			ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00037	229	1.5	ANNUAL	Grid Receptor 44	G44
649344	4077573	0.00208	253.3	1.5	ANNUAL	Grid Receptor 45	G45
649344	4076373	0.00744	220.2	1.5	ANNUAL	Grid Receptor 48	G48
649344	4075973	0.00154	227.2	1.5	ANNUAL	Grid Receptor 49	G49
647744	4077573	0.00138	163.8	1.5	ANNUAL	Grid Receptor 5	G5
649344	4075573	0.00071	205.5	1.5	ANNUAL	Grid Receptor 50	G50
649744	4079173	0.00019	176.1	1.5	ANNUAL	Grid Receptor 51	G51
649744	4078773	0.00022	195	1.5	ANNUAL	Grid Receptor 52	G52
649744	4078373	0.00025	196.1	1.5	ANNUAL	Grid Receptor 53	G53
649744	4077973	0.0003	215.3	1.5	ANNUAL	Grid Receptor 54	G54
649744	4077573	0.0004	221.6	1.5	ANNUAL	Grid Receptor 55	G55
649744	4076373	0.01317	211.7	1.5	ANNUAL	Grid Receptor 58	G58
649744	4075973	0.01047	237.7	1.5	ANNUAL	Grid Receptor 59	G59
647744	4077173	0.00154	158.4	1.5	ANNUAL	Grid Receptor 6	G6
649744	4075573	0.00211	204.2	1.5	ANNUAL	Grid Receptor 60	G60
650144	4079173	0.00018	173	1.5	ANNUAL	Grid Receptor 61	G61
650144	4078773	0.0002	171	1.5	ANNUAL	Grid Receptor 62	G62
650144	4078373	0.00024	204.6	1.5	ANNUAL	Grid Receptor 63	G63
650144	4077973	0.0003	216.5	1.5	ANNUAL	Grid Receptor 64	G64
650144	4077573	0.00177	257.7	1.5	ANNUAL	Grid Receptor 65	G65
650144	4076373	0.00597	231.4	1.5	ANNUAL	Grid Receptor 68	G68
650144	4075973	0.01083	249.4	1.5	ANNUAL	Grid Receptor 69	G69
647744	4076773	0.00104	164.7	1.5	ANNUAL	Grid Receptor 7	G7
650144	4075573	0.00464	216.4	1.5	ANNUAL	Grid Receptor 70	G70
650544	4079173	0.00018	177	1.5	ANNUAL	Grid Receptor 71	G71
650544	4078773	0.00021	180.9	1.5	ANNUAL	Grid Receptor 72	G72
650544	4078373	0.00025	196.6	1.5	ANNUAL	Grid Receptor 73	G73
650544	4077973	0.00054	236.9	1.5	ANNUAL	Grid Receptor 74	G74
650544	4077573	0.00256	261.3	1.5	ANNUAL	Grid Receptor 75	G75
650544	4076373	0.0084	260.9	1.5	ANNUAL	Grid Receptor 78	G78
650544	4075973	0.00382	226.7	1.5	ANNUAL	Grid Receptor 79	G79
647744	4076373	0.00047	164	1.5	ANNUAL	Grid Receptor 8	G8

* AERMET (21112): Future Flare SO2 (1.5m) 1-yr 2018

14:01:17

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.00973	268.2	1.5	ANNUAL	Grid Receptor 80	G80
650944	4079173	0.0002	181.3	1.5	ANNUAL	Grid Receptor 81	G81
650944	4078773	0.00023	178.4	1.5	ANNUAL	Grid Receptor 82	G82
650944	4078373	0.00033	214.8	1.5	ANNUAL	Grid Receptor 83	G83
650944	4077973	0.00129	249.9	1.5	ANNUAL	Grid Receptor 84	G84
650944	4077573	0.00235	276.5	1.5	ANNUAL	Grid Receptor 85	G85
650944	4077173	0.00122	225.6	1.5	ANNUAL	Grid Receptor 86	G86
650944	4076773	0.00234	219.8	1.5	ANNUAL	Grid Receptor 87	G87
650944	4076373	0.00261	209.2	1.5	ANNUAL	Grid Receptor 88	G88
650944	4075973	0.00253	216.6	1.5	ANNUAL	Grid Receptor 89	G89
647744	4075973	0.00025	160.7	1.5	ANNUAL	Grid Receptor 9	G9
650944	4075573	0.00421	243.2	1.5	ANNUAL	Grid Receptor 90	G90
651344	4079173	0.00022	191	1.5	ANNUAL	Grid Receptor 91	G91
651344	4078773	0.00027	181	1.5	ANNUAL	Grid Receptor 92	G92
651344	4078373	0.00042	214.3	1.5	ANNUAL	Grid Receptor 93	G93
651344	4077973	0.00113	248.4	1.5	ANNUAL	Grid Receptor 94	G94
651344	4077573	0.0007	213.2	1.5	ANNUAL	Grid Receptor 95	G95
651344	4077173	0.00127	213.6	1.5	ANNUAL	Grid Receptor 96	G96
651344	4076773	0.0019	203.5	1.5	ANNUAL	Grid Receptor 97	G97
651344	4076373	0.00205	205.6	1.5	ANNUAL	Grid Receptor 98	G98
651344	4075973	0.00204	205.8	1.5	ANNUAL	Grid Receptor 99	G99
648584	4077523	0.00168	183.61	1.5	ANNUAL	Boundary Perimeter 1	P1
649484	4077537	0.00199	254.01	1.5	ANNUAL	Boundary Perimeter 10	P10
649584	4077539	0.00062	235.3	1.5	ANNUAL	Boundary Perimeter 11	P11
649684	4077540	0.00042	221.29	1.5	ANNUAL	Boundary Perimeter 12	P12
649784	4077541	0.00041	222.37	1.5	ANNUAL	Boundary Perimeter 13	P13
649884	4077542	0.00055	233.6	1.5	ANNUAL	Boundary Perimeter 14	P14
649984	4077543	0.00126	249.54	1.5	ANNUAL	Boundary Perimeter 15	P15
650084	4077546	0.00187	258.89	1.5	ANNUAL	Boundary Perimeter 16	P16
650184	4077548	0.0021	259.56	1.5	ANNUAL	Boundary Perimeter 17	P17
650284	4077550	0.00208	256.77	1.5	ANNUAL	Boundary Perimeter 18	P18
650384	4077552	0.00108	242.37	1.5	ANNUAL	Boundary Perimeter 19	P19

09/30/21

* AERMET (21112): Future Flare SO2 (1.5m) 1-yr 2018

14:01:17

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.0016	197.16	1.5	ANNUAL	Boundary Perimeter 2	P2
650484	4077554	0.00112	242.23	1.5	ANNUAL	Boundary Perimeter 20	P20
650584	4077557	0.00246	259.71	1.5	ANNUAL	Boundary Perimeter 21	P21
650684	4077559	0.00222	257.58	1.5	ANNUAL	Boundary Perimeter 22	P22
650777	4077554	0.00265	267.9	1.5	ANNUAL	Boundary Perimeter 23	P23
650779	4077454	0.00261	275.91	1.5	ANNUAL	Boundary Perimeter 24	P24
650781	4077354	0.00291	265.73	1.5	ANNUAL	Boundary Perimeter 25	P25
650783	4077254	0.00208	251.08	1.5	ANNUAL	Boundary Perimeter 26	P26
650785	4077154	0.00239	252.83	1.5	ANNUAL	Boundary Perimeter 27	P27
650787	4077054	0.0023	246.1	1.5	ANNUAL	Boundary Perimeter 28	P28
650789	4076954	0.00256	241.37	1.5	ANNUAL	Boundary Perimeter 29	P29
648784	4077527	0.00142	209.74	1.5	ANNUAL	Boundary Perimeter 3	Р3
650791	4076854	0.00366	246.79	1.5	ANNUAL	Boundary Perimeter 30	P30
650794	4076754	0.00274	228.75	1.5	ANNUAL	Boundary Perimeter 31	P31
650754	4076683	0.00274	217.76	1.5	ANNUAL	Boundary Perimeter 32	P32
650660	4076650	0.00299	221.2	1.5	ANNUAL	Boundary Perimeter 33	P33
650561	4076650	0.00322	220.83	1.5	ANNUAL	Boundary Perimeter 34	P34
650463	4076666	0.00349	223.42	1.5	ANNUAL	Boundary Perimeter 35	P35
650364	4076682	0.00372	222.46	1.5	ANNUAL	Boundary Perimeter 36	P36
650264	4076683	0.00407	223.19	1.5	ANNUAL	Boundary Perimeter 37	P37
650165	4076674	0.00452	222.1	1.5	ANNUAL	Boundary Perimeter 38	P38
650066	4076660	0.0051	217.03	1.5	ANNUAL	Boundary Perimeter 39	P39
648884	4077529	0.00105	214.25	1.5	ANNUAL	Boundary Perimeter 4	P4
649980	4076627	0.0061	214.82	1.5	ANNUAL	Boundary Perimeter 40	P40
649920	4076547	0.00761	214.91	1.5	ANNUAL	Boundary Perimeter 41	P41
649852	4076474	0.0092	214.09	1.5	ANNUAL	Boundary Perimeter 42	P42
649771	4076417	0.01154	211.53	1.5	ANNUAL	Boundary Perimeter 43	P43
649680	4076375	0.01664	210.17	1.5	ANNUAL	Boundary Perimeter 44	P44
649581	4076368	0.02511	208.52	1.5	ANNUAL	Boundary Perimeter 45	P45
649482	4076384	0.03187	207.5	1.5	ANNUAL	Boundary Perimeter 46	P46
649392	4076425	0.02177	205.17	1.5	ANNUAL	Boundary Perimeter 47	P47
649304	4076472	0.00232	202.16	1.5	ANNUAL	Boundary Perimeter 48	P48

PMI

* AERMET (21112): Future Flare SO2 (1.5m) 1-yr 2018

14:01:17

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.00111	196.38	1.5	ANNUAL	Boundary Perimeter 49	P49
648984	4077530	0.00078	221.41	1.5	ANNUAL	Boundary Perimeter 5	P5
649156	4076605	0.00537	195.87	1.5	ANNUAL	Boundary Perimeter 50	P50
649068	4076653	0.007	196.32	1.5	ANNUAL	Boundary Perimeter 51	P51
648987	4076711	0.00618	192.42	1.5	ANNUAL	Boundary Perimeter 52	P52
648937	4076759	0.00537	192.46	1.5	ANNUAL	Boundary Perimeter 53	P53
648869	4076833	0.00442	191.63	1.5	ANNUAL	Boundary Perimeter 54	P54
648797	4076902	0.00367	186.32	1.5	ANNUAL	Boundary Perimeter 55	P55
648711	4076952	0.0032	179.81	1.5	ANNUAL	Boundary Perimeter 56	P56
648621	4076996	0.00287	176.23	1.5	ANNUAL	Boundary Perimeter 57	P57
648607	4077051	0.00265	175.02	1.5	ANNUAL	Boundary Perimeter 58	P58
648680	4077119	0.00259	180.62	1.5	ANNUAL	Boundary Perimeter 59	P59
649084	4077532	0.00059	216.54	1.5	ANNUAL	Boundary Perimeter 6	P6
648759	4077180	0.00257	183.47	1.5	ANNUAL	Boundary Perimeter 60	P60
648791	4077262	0.00245	202.88	1.5	ANNUAL	Boundary Perimeter 61	P61
648788	4077362	0.00176	178.21	1.5	ANNUAL	Boundary Perimeter 62	P62
648691	4077361	0.00196	176.25	1.5	ANNUAL	Boundary Perimeter 63	P63
648591	4077357	0.00201	176	1.5	ANNUAL	Boundary Perimeter 64	P64
648526	4077371	0.00195	175.24	1.5	ANNUAL	Boundary Perimeter 65	P65
648587	4077430	0.00186	175.13	1.5	ANNUAL	Boundary Perimeter 66	P66
649184	4077534	0.0006	230.71	1.5	ANNUAL	Boundary Perimeter 7	P7
649284	4077535	0.00157	248.08	1.5	ANNUAL	Boundary Perimeter 8	P8
649384	4077536	0.00274	258.43	1.5	ANNUAL	Boundary Perimeter 9	P9
645930	4077983	0.00094	127.38	1.5	ANNUAL	New Development	RP_G1
645930	4078083	0.00092	127.58	1.5	ANNUAL	New Development	RP_G10
646030	4078083	0.00093	130.56	1.5	ANNUAL	New Development	RP_G11
646130	4078083	0.00094	134.35	1.5	ANNUAL	New Development	RP_G12
646230	4078083	0.00094	139.22	1.5	ANNUAL	New Development	RP_G13
646330	4078083	0.00095	144.65	1.5	ANNUAL	New Development	RP_G14
646430	4078083	0.00096	142.28	1.5	ANNUAL	New Development	RP_G15
646530	4078083	0.00097	146.76	1.5	ANNUAL	New Development	RP_G16
646630	4078083	0.00098	150.64	1.5	ANNUAL	New Development	RP_G17

09/30/21

* AERMET (21112): Future Flare SO2 (1.5m) 1-yr 2018

14:01:17

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.001	155.4	1.5	ANNUAL	New Development	RP G18
645930	4078183	0.0009	127.22	1.5	ANNUAL	New Development	RP_G19
646030	4077983	0.00095	131.21	1.5	ANNUAL	New Development	RP_G2
646030	4078183	0.00091	130.56	1.5	ANNUAL	New Development	RP_G20
646130	4078183	0.00091	133.89	1.5	ANNUAL	New Development	RP_G21
646230	4078183	0.00092	140.45	1.5	ANNUAL	New Development	RP_G22
646330	4078183	0.00093	146.94	1.5	ANNUAL	New Development	RP_G23
646430	4078183	0.00093	140.23	1.5	ANNUAL	New Development	RP_G24
646530	4078183	0.00095	147.25	1.5	ANNUAL	New Development	RP_G25
646630	4078183	0.00096	151.56	1.5	ANNUAL	New Development	RP_G26
646730	4078183	0.00098	157.78	1.5	ANNUAL	New Development	RP_G27
645930	4078283	0.00088	126.06	1.5	ANNUAL	New Development	RP_G28
646030	4078283	0.00088	129.56	1.5	ANNUAL	New Development	RP_G29
646130	4077983	0.00096	135.89	1.5	ANNUAL	New Development	RP_G3
646130	4078283	0.00089	132.89	1.5	ANNUAL	New Development	RP_G30
646230	4078283	0.0009	139.24	1.5	ANNUAL	New Development	RP_G31
646330	4078283	0.00091	142.68	1.5	ANNUAL	New Development	RP_G32
646430	4078283	0.00091	140.02	1.5	ANNUAL	New Development	RP_G33
646530	4078283	0.00093	147.22	1.5	ANNUAL	New Development	RP_G34
646630	4078283	0.00094	151.56	1.5	ANNUAL	New Development	RP_G35
646730	4078283	0.00096	156.78	1.5	ANNUAL	New Development	RP_G36
646230	4077983	0.00097	139.18	1.5	ANNUAL	New Development	RP_G4
646330	4077983	0.00097	140.76	1.5	ANNUAL	New Development	RP_G5
646430	4077983	0.00098	143.89	1.5	ANNUAL	New Development	RP_G6
646530	4077983	0.00099	145.22	1.5	ANNUAL	New Development	RP_G7
646630	4077983	0.001	147.21	1.5	ANNUAL	New Development	RP_G8
646730	4077983	0.00101	148.3	1.5	ANNUAL	New Development	RP_G9
648659	4077241	0.00264	205.79	1.5	ANNUAL	House 1	RP_H1
648071	4076116	0.00032	169.6	1.5	ANNUAL	House 10	RP_H10
648247	4076278	0.00045	184.55	1.5	ANNUAL	House 11	RP_H11
648027	4076255	0.0004	169.38	1.5	ANNUAL	House 12	RP_H12
648066	4076359	0.0005	173.83	1.5	ANNUAL	House 13	RP_H13

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.00057	178.22	1.5	ANNUAL	House 14	RP_H14
648255	4076411	0.00063	191.28	1.5	ANNUAL	House 15	RP_H15
647878	4076365	0.00048	165.39	1.5	ANNUAL	House 16	RP_H16
647520	4076206	0.00034	159	1.5	ANNUAL	House 17	RP_H17
647921	4076247	0.00038	164	1.5	ANNUAL	House 18	RP_H18
647709	4076352	0.00045	163.52	1.5	ANNUAL	House 19	RP_H19
648372	4075470	0.00021	173.69	1.5	ANNUAL	House 2	RP_H2
647704	4076251	0.00037	162.17	1.5	ANNUAL	House 20	RP_H20
647719	4076104	0.0003	159.35	1.5	ANNUAL	House 21	RP_H21
647843	4076125	0.00031	163	1.5	ANNUAL	House 22	RP_H22
647842	4076500	0.00063	167.93	1.5	ANNUAL	House 23	RP_H23
647728	4076644	0.00079	164.15	1.5	ANNUAL	House 24	RP_H24
647824	4076644	0.00085	168.29	1.5	ANNUAL	House 25	RP_H25
647530	4076497	0.00055	159.56	1.5	ANNUAL	House 26	RP_H26
647810	4076854	0.00127	162.9	1.5	ANNUAL	House 27	RP_H27
647697	4076989	0.00137	161.42	1.5	ANNUAL	House 28	RP_H28
648226	4076182	0.00037	183.22	1.5	ANNUAL	House 29	RP_H29
647678	4075969	0.00025	159.5	1.5	ANNUAL	House 3	RP_H3
645876	4077487	0.00084	127.13	1.5	ANNUAL	House 30	RP_H30
650902	4076062	0.00257	215.24	1.5	ANNUAL	House 31	RP_H31
651490	4076597	0.00189	205.5	1.5	ANNUAL	House 32	RP_H32
651565	4077067	0.00149	213.93	1.5	ANNUAL	House 33	RP_H33
648673	4075307	0.00024	225.91	1.5	ANNUAL	House 34	RP_H34
648384	4075469	0.00021	174.44	1.5	ANNUAL	House 35	RP_H35
646379	4077233	0.00084	146	1.5	ANNUAL	House 36	RP_H36
651850	4075865	0.00169	201.97	1.5	ANNUAL	House 37	RP_H37
652045	4076210	0.00154	196.88	1.5	ANNUAL	House 38	RP_H38
652256	4076391	0.00143	197.06	1.5	ANNUAL	House 39	RP_H39
647815	4075985	0.00026	162.04	1.5	ANNUAL	House 4	RP_H4
646854	4077373	0.00108	145.99	1.5	ANNUAL	House 40	RP_H40
647050	4077360	0.00115	145	1.5	ANNUAL	House 41	RP_H41
647286	4077474	0.00125	149.68	1.5	ANNUAL	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.0013	154.45	1.5	ANNUAL	House 43	RP_H43
647490	4077329	0.00138	162.28	1.5	ANNUAL	House 44	RP_H44
647522	4077252	0.0014	164.3	1.5	ANNUAL	House 45	RP_H45
647518	4077139	0.00135	164.01	1.5	ANNUAL	House 46	RP_H46
646819	4077258	0.00102	151.53	1.5	ANNUAL	House 47	RP_H47
646779	4077128	0.00091	158.51	1.5	ANNUAL	House 48	RP_H48
646987	4077213	0.00106	146.44	1.5	ANNUAL	House 49	RP_H49
647898	4076033	0.00027	163.83	1.5	ANNUAL	House 5	RP_H5
647242	4077227	0.00121	154.85	1.5	ANNUAL	House 50	RP_H50
646773	4077063	0.00085	159	1.5	ANNUAL	House 51	RP_H51
647104	4077118	0.00105	148.99	1.5	ANNUAL	House 52	RP_H52
647292	4077123	0.00117	158.62	1.5	ANNUAL	House 53	RP_H53
646765	4076978	0.00077	158.67	1.5	ANNUAL	House 54	RP_H54
646996	4076984	0.00086	152.34	1.5	ANNUAL	House 55	RP_H55
647317	4077031	0.0011	160.22	1.5	ANNUAL	House 56	RP_H56
647398	4077013	0.00114	161.26	1.5	ANNUAL	House 57	RP_H57
646979	4076904	0.00078	156.81	1.5	ANNUAL	House 58	RP_H58
647015	4076807	0.0007	156.21	1.5	ANNUAL	House 59	RP_H59
648045	4076018	0.00027	168.26	1.5	ANNUAL	House 6	RP_H6
647164	4076802	0.00074	154.38	1.5	ANNUAL	House 60	RP_H60
647311	4076940	0.00099	162.49	1.5	ANNUAL	House 61	RP_H61
647298	4076805	0.0008	158	1.5	ANNUAL	House 62	RP_H62
647447	4076900	0.00102	159.45	1.5	ANNUAL	House 63	RP_H63
647464	4076781	0.00086	159.32	1.5	ANNUAL	House 64	RP_H64
647512	4076536	0.00059	159	1.5	ANNUAL	House 65	RP_H65
651131	4078767	0.00024	179.58	1.5	ANNUAL	House 66	RP_H66
647131	4077336	0.00118	146.77	1.5	ANNUAL	House 67	RP_H67
646798	4076740	0.0006	156.07	1.5	ANNUAL	House 68	RP_H68
646900	4076802	0.00066	159	1.5	ANNUAL	House 69	RP_H69
648126	4075955	0.00025	171.51	1.5	ANNUAL	House 7	RP_H7
647317	4076662	0.00066	159.9	1.5	ANNUAL	House 70	RP_H70
648249	4075970	0.00027	183.42	1.5	ANNUAL	House 8	RP_H8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.00033	182.28	1.5	ANNUAL	House 9	RP_H9

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.02984	123.85	1.5	3-HR	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.02099	105.68	1.5	3-HR	Hazel Hawkins Memorial Hospital	CR_HP_1]
642057	4079416	0.02174	85.12	1.5	3-HR	Dunne Park	CR_PK_1	
642179	4079950	0.02117	117.99	1.5	3-HR	Vista Park Hill Park	CR_PK_2]
644733	4078753	0.02077	106.44	1.5	3-HR	Las Brisas Park	CR_PK_3	
645609	4078854	0.0268	112.86	1.5	3-HR	Frank Klauer Memorial Park	CR_PK_4]
644238	4078807	0.02306	95.25	1.5	3-HR	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.03427	134.61	1.5	3-HR	Park 6	CR_PK_6]
649582	4073424	0.03003	159.96	1.5	3-HR	Park 7	CR_PK_7	
645145	4077181	0.02466	133	1.5	3-HR	Cerra Vista Elem School	CR_SC_1]
642905	4079955	0.018	86	1.5	3-HR	San Andreas Continuation	CR_SC_10	
645851	4074015	0.01453	123	1.5	3-HR	SouthSide School	CR_SC_11	
642106	4078176	0.02078	91	1.5	3-HR	School 12	CR_SC_12	
646059	4078443	0.03029	128.52	1.5	3-HR	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.0294	158	1.5	3-HR	Future School	CR_SC_14	School 2
648466	4074106	0.01625	159	1.5	3-HR	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.02246	98.2	1.5	3-HR	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.01876	101.23	1.5	3-HR	Hollister Montessori School	CR_SC_3	
642961	4078621	0.02523	92	1.5	3-HR	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.02099	88	1.5	3-HR	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.02385	85	1.5	3-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.01943	98.22	1.5	3-HR	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.01802	87	1.5	3-HR	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.02109	90.17	1.5	3-HR	San Benito High School	CR_SC_9	
642083	4079794	0.02242	87.58	1.5	3-HR	Jovenes De Antano	CR_SR_1	
646402	4076879	0.03756	146.33	1.5	3-HR	Workplace		MEIW
648949	4077938	0.03453	189.45	1.5	3-HR	Nearest Workplace	CR_WP_2	
647744	4079173	0.03939	155.2	1.5	3-HR	Grid Receptor 1	G1	_
647744	4075573	0.01361	160	1.5	3-HR	Grid Receptor 10	G10	
651344	4075573	0.1298	252.9	1.5	3-HR	Grid Receptor 100	G100	
648144	4079173	0.02521	165.9	1.5	3-HR	Grid Receptor 11	G11	
648144	4078773	0.03722	159.6	1.5	3-HR	Grid Receptor 12	G12	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.04232	146.2	1.5	3-HR	Grid Receptor 13	G13
648144	4077973	0.05171	158.3	1.5	3-HR	Grid Receptor 14	G14
648144	4077573	0.06538	166.6	1.5	3-HR	Grid Receptor 15	G15
648144	4077173	0.09618	175.4	1.5	3-HR	Grid Receptor 16	G16
648144	4076773	0.09158	177.1	1.5	3-HR	Grid Receptor 17	G17
648144	4076373	0.06368	178	1.5	3-HR	Grid Receptor 18	G18
648144	4075973	0.02903	173	1.5	3-HR	Grid Receptor 19	G19
647744	4078773	0.03492	145.4	1.5	3-HR	Grid Receptor 2	G2
648144	4075573	0.03514	168.8	1.5	3-HR	Grid Receptor 20	G20
648544	4079173	0.02479	173.5	1.5	3-HR	Grid Receptor 21	G21
648544	4078773	0.02873	166.2	1.5	3-HR	Grid Receptor 22	G22
648544	4078373	0.03469	145.4	1.5	3-HR	Grid Receptor 23	G23
648544	4077973	0.05316	173.9	1.5	3-HR	Grid Receptor 24	G24
648544	4077573	0.07914	179.6	1.5	3-HR	Grid Receptor 25	G25
648544	4077173	0.10906	191	1.5	3-HR	Grid Receptor 26	G26
648544	4076773	0.18128	209.2	1.5	3-HR	Grid Receptor 27	G27
648544	4076373	0.07072	233.7	1.5	3-HR	Grid Receptor 28	G28
648544	4075973	0.02727	199.9	1.5	3-HR	Grid Receptor 29	G29
647744	4078373	0.04472	144.4	1.5	3-HR	Grid Receptor 3	G3
648544	4075573	0.02989	195.5	1.5	3-HR	Grid Receptor 30	G30
648944	4079173	0.03654	190.4	1.5	3-HR	Grid Receptor 31	G31
648944	4078773	0.03614	165.4	1.5	3-HR	Grid Receptor 32	G32
648944	4078373	0.03577	159.6	1.5	3-HR	Grid Receptor 33	G33
648944	4077973	0.03413	183.5	1.5	3-HR	Grid Receptor 34	G34
648944	4077573	0.05558	224	1.5	3-HR	Grid Receptor 35	G35
648944	4076373	0.0666	205	1.5	3-HR	Grid Receptor 38	G38
648944	4075973	0.03816	208.8	1.5	3-HR	Grid Receptor 39	G39
647744	4077973	0.04906	134.6	1.5	3-HR	Grid Receptor 4	G4
648944	4075573	0.01801	185.6	1.5	3-HR	Grid Receptor 40	G40
649344	4079173	0.01688	187.4	1.5	3-HR	Grid Receptor 41	G41
649344	4078773	0.01696	160.9	1.5	3-HR	Grid Receptor 42	G42
649344	4078373	0.02023	200.5	1.5	3-HR	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.02225	229	1.5	3-HR	Grid Receptor 44	G44
649344	4077573	0.17857	253.3	1.5	3-HR	Grid Receptor 45	G45
649344	4076373	0.35785	220.2	1.5	3-HR	Grid Receptor 48	G48
649344	4075973	0.08713	227.2	1.5	3-HR	Grid Receptor 49	G49
647744	4077573	0.05924	163.8	1.5	3-HR	Grid Receptor 5	G5
649344	4075573	0.05427	205.5	1.5	3-HR	Grid Receptor 50	G50
649744	4079173	0.01977	176.1	1.5	3-HR	Grid Receptor 51	G51
649744	4078773	0.02783	195	1.5	3-HR	Grid Receptor 52	G52
649744	4078373	0.03382	196.1	1.5	3-HR	Grid Receptor 53	G53
649744	4077973	0.03491	215.3	1.5	3-HR	Grid Receptor 54	G54
649744	4077573	0.02601	221.6	1.5	3-HR	Grid Receptor 55	G55
649744	4076373	0.17534	211.7	1.5	3-HR	Grid Receptor 58	G58
649744	4075973	0.13864	237.7	1.5	3-HR	Grid Receptor 59	G59
647744	4077173	0.05966	158.4	1.5	3-HR	Grid Receptor 6	G6
649744	4075573	0.07516	204.2	1.5	3-HR	Grid Receptor 60	G60
650144	4079173	0.03255	173	1.5	3-HR	Grid Receptor 61	G61
650144	4078773	0.02814	171	1.5	3-HR	Grid Receptor 62	G62
650144	4078373	0.02049	204.6	1.5	3-HR	Grid Receptor 63	G63
650144	4077973	0.03727	216.5	1.5	3-HR	Grid Receptor 64	G64
650144	4077573	0.16913	257.7	1.5	3-HR	Grid Receptor 65	G65
650144	4076373	0.08911	231.4	1.5	3-HR	Grid Receptor 68	G68
650144	4075973	0.21297	249.4	1.5	3-HR	Grid Receptor 69	G69
647744	4076773	0.05772	164.7	1.5	3-HR	Grid Receptor 7	G7
650144	4075573	0.0851	216.4	1.5	3-HR	Grid Receptor 70	G70
650544	4079173	0.02077	177	1.5	3-HR	Grid Receptor 71	G71
650544	4078773	0.0151	180.9	1.5	3-HR	Grid Receptor 72	G72
650544	4078373	0.03875	196.6	1.5	3-HR	Grid Receptor 73	G73
650544	4077973	0.05012	236.9	1.5	3-HR	Grid Receptor 74	G74
650544	4077573	0.17462	261.3	1.5	3-HR	Grid Receptor 75	G75
650544	4076373	0.37932	260.9	1.5	3-HR	Grid Receptor 78	G78
650544	4075973	0.10331	226.7	1.5	3-HR	Grid Receptor 79	G79
647744	4076373	0.06111	164	1.5	3-HR	Grid Receptor 8	G8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.32519	268.2	1.5	3-HR	Grid Receptor 80	G80
650944	4079173	0.01902	181.3	1.5	3-HR	Grid Receptor 81	G81
650944	4078773	0.0299	178.4	1.5	3-HR	Grid Receptor 82	G82
650944	4078373	0.03917	214.8	1.5	3-HR	Grid Receptor 83	G83
650944	4077973	0.08481	249.9	1.5	3-HR	Grid Receptor 84	G84
650944	4077573	0.33967	276.5	1.5	3-HR	Grid Receptor 85	G85
650944	4077173	0.07196	225.6	1.5	3-HR	Grid Receptor 86	G86
650944	4076773	0.07992	219.8	1.5	3-HR	Grid Receptor 87	G87
650944	4076373	0.07429	209.2	1.5	3-HR	Grid Receptor 88	G88
650944	4075973	0.07382	216.6	1.5	3-HR	Grid Receptor 89	G89
647744	4075973	0.04554	160.7	1.5	3-HR	Grid Receptor 9	G9
650944	4075573	0.06201	243.2	1.5	3-HR	Grid Receptor 90	G90
651344	4079173	0.0262	191	1.5	3-HR	Grid Receptor 91	G91
651344	4078773	0.02705	181	1.5	3-HR	Grid Receptor 92	G92
651344	4078373	0.04419	214.3	1.5	3-HR	Grid Receptor 93	G93
651344	4077973	0.06876	248.4	1.5	3-HR	Grid Receptor 94	G94
651344	4077573	0.0498	213.2	1.5	3-HR	Grid Receptor 95	G95
651344	4077173	0.05989	213.6	1.5	3-HR	Grid Receptor 96	G96
651344	4076773	0.0657	203.5	1.5	3-HR	Grid Receptor 97	G97
651344	4076373	0.06363	205.6	1.5	3-HR	Grid Receptor 98	G98
651344	4075973	0.05622	205.8	1.5	3-HR	Grid Receptor 99	G99
648584	4077523	0.08591	183.61	1.5	3-HR	Boundary Perimeter 1	P1
649484	4077537	0.16827	254.01	1.5	3-HR	Boundary Perimeter 10	P10
649584	4077539	0.02935	235.3	1.5	3-HR	Boundary Perimeter 11	P11
649684	4077540	0.03062	221.29	1.5	3-HR	Boundary Perimeter 12	P12
649784	4077541	0.02222	222.37	1.5	3-HR	Boundary Perimeter 13	P13
649884	4077542	0.04695	233.6	1.5	3-HR	Boundary Perimeter 14	P14
649984	4077543	0.10475	249.54	1.5	3-HR	Boundary Perimeter 15	P15
650084	4077546	0.18238	258.89	1.5	3-HR	Boundary Perimeter 16	P16
650184	4077548	0.19215	259.56	1.5	3-HR	Boundary Perimeter 17	P17
650284	4077550	0.1553	256.77	1.5	3-HR	Boundary Perimeter 18	P18
650384	4077552	0.06545	242.37	1.5	3-HR	Boundary Perimeter 19	P19

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* AERMET (21112): Future Flare (1.5m) SO2 3-hr 2018

14:01:17

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.0986	197.16	1.5	3-HR	Boundary Perimeter 2	P2
650484	4077554	0.06229	242.23	1.5	3-HR	Boundary Perimeter 20	P20
650584	4077557	0.177	259.71	1.5	3-HR	Boundary Perimeter 21	P21
650684	4077559	0.16304	257.58	1.5	3-HR	Boundary Perimeter 22	P22
650777	4077554	0.28704	267.9	1.5	3-HR	Boundary Perimeter 23	P23
650779	4077454	0.29926	275.91	1.5	3-HR	Boundary Perimeter 24	P24
650781	4077354	0.19566	265.73	1.5	3-HR	Boundary Perimeter 25	P25
650783	4077254	0.0877	251.08	1.5	3-HR	Boundary Perimeter 26	P26
650785	4077154	0.10612	252.83	1.5	3-HR	Boundary Perimeter 27	P27
650787	4077054	0.07934	246.1	1.5	3-HR	Boundary Perimeter 28	P28
650789	4076954	0.08032	241.37	1.5	3-HR	Boundary Perimeter 29	P29
648784	4077527	0.11665	209.74	1.5	3-HR	Boundary Perimeter 3	P3
650791	4076854	0.12003	246.79	1.5	3-HR	Boundary Perimeter 30	P30
650794	4076754	0.08643	228.75	1.5	3-HR	Boundary Perimeter 31	P31
650754	4076683	0.09193	217.76	1.5	3-HR	Boundary Perimeter 32	P32
650660	4076650	0.09248	221.2	1.5	3-HR	Boundary Perimeter 33	P33
650561	4076650	0.09785	220.83	1.5	3-HR	Boundary Perimeter 34	P34
650463	4076666	0.10543	223.42	1.5	3-HR	Boundary Perimeter 35	P35
650364	4076682	0.10748	222.46	1.5	3-HR	Boundary Perimeter 36	P36
650264	4076683	0.10826	223.19	1.5	3-HR	Boundary Perimeter 37	P37
650165	4076674	0.11397	222.1	1.5	3-HR	Boundary Perimeter 38	P38
650066	4076660	0.13029	217.03	1.5	3-HR	Boundary Perimeter 39	P39
648884	4077529	0.09874	214.25	1.5	3-HR	Boundary Perimeter 4	P4
649980	4076627	0.14382	214.82	1.5	3-HR	Boundary Perimeter 40	P40
649920	4076547	0.127	214.91	1.5	3-HR	Boundary Perimeter 41	P41
649852	4076474	0.14099	214.09	1.5	3-HR	Boundary Perimeter 42	P42
649771	4076417	0.17288	211.53	1.5	3-HR	Boundary Perimeter 43	P43
649680	4076375	0.19678	210.17	1.5	3-HR	Boundary Perimeter 44	P44
649581	4076368	0.2442	208.52	1.5	3-HR	Boundary Perimeter 45	P45
649482	4076384	0.31912	207.5	1.5	3-HR	Boundary Perimeter 46	P46
649392	4076425	0.32034	205.17	1.5	3-HR	Boundary Perimeter 47	P47
649304	4076472	0.09081	202.16	1.5	3-HR	Boundary Perimeter 48	P48

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
649226	4076535	0.06846	196.38	1.5	3-HR	Boundary Perimeter 49	P49	
648984	4077530	0.05365	221.41	1.5	3-HR	Boundary Perimeter 5	P5	
649156	4076605	0.18828	195.87	1.5	3-HR	Boundary Perimeter 50	P50	
649068	4076653	0.31066	196.32	1.5	3-HR	Boundary Perimeter 51	P51	
648987	4076711	0.24634	192.42	1.5	3-HR	Boundary Perimeter 52	P52	
648937	4076759	0.24023	192.46	1.5	3-HR	Boundary Perimeter 53	P53	
648869	4076833	0.21477	191.63	1.5	3-HR	Boundary Perimeter 54	P54	
648797	4076902	0.17973	186.32	1.5	3-HR	Boundary Perimeter 55	P55	
648711	4076952	0.16748	179.81	1.5	3-HR	Boundary Perimeter 56	P56	
648621	4076996	0.15443	176.23	1.5	3-HR	Boundary Perimeter 57	P57	
648607	4077051	0.13223	175.02	1.5	3-HR	Boundary Perimeter 58	P58	
648680	4077119	0.10728	180.62	1.5	3-HR	Boundary Perimeter 59	P59	
649084	4077532	0.04001	216.54	1.5	3-HR	Boundary Perimeter 6	P6	
648759	4077180	0.10201	183.47	1.5	3-HR	Boundary Perimeter 60	P60	
648791	4077262	0.14607	202.88	1.5	3-HR	Boundary Perimeter 61	P61	
648788	4077362	0.10644	178.21	1.5	3-HR	Boundary Perimeter 62	P62	
648691	4077361	0.10099	176.25	1.5	3-HR	Boundary Perimeter 63	P63	
648591	4077357	0.09404	176	1.5	3-HR	Boundary Perimeter 64	P64	
648526	4077371	0.09219	175.24	1.5	3-HR	Boundary Perimeter 65	P65	
648587	4077430	0.08123	175.13	1.5	3-HR	Boundary Perimeter 66	P66	
649184	4077534	0.03453	230.71	1.5	3-HR	Boundary Perimeter 7	P7	
649284	4077535	0.11028	248.08	1.5	3-HR	Boundary Perimeter 8	P8	
649384	4077536	0.39489	258.43	1.5	3-HR	Boundary Perimeter 9	P9	PM
645930	4077983	0.02467	127.38	1.5	3-HR	New Development	RP_G1	
645930	4078083	0.0274	127.58	1.5	3-HR	New Development	RP_G10	
646030	4078083	0.02949	130.56	1.5	3-HR	New Development	RP_G11	
646130	4078083	0.03131	134.35	1.5	3-HR	New Development	RP_G12	
646230	4078083	0.03271	139.22	1.5	3-HR	New Development	RP_G13	
646330	4078083	0.03356	144.65	1.5	3-HR	New Development	RP_G14	
646430	4078083	0.03355	142.28	1.5	3-HR	New Development	RP_G15	
646530	4078083	0.03399	146.76	1.5	3-HR	New Development	RP_G16	
646630	4078083	0.03578	150.64	1.5	3-HR	New Development	RP_G17	

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* AERMET (21112): Future Flare (1.5m) SO2 3-hr 2018

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.03695	155.4	1.5	3-HR	New Development	RP G18
645930	4078183	0.02925	127.22	1.5	3-HR	New Development	RP_G19
646030	4077983	0.02657	131.21	1.5	3-HR	New Development	RP_G2
646030	4078183	0.0305	130.56	1.5	3-HR	New Development	RP_G20
646130	4078183	0.03127	133.89	1.5	3-HR	New Development	RP_G21
646230	4078183	0.03147	140.45	1.5	3-HR	New Development	RP_G22
646330	4078183	0.03232	146.94	1.5	3-HR	New Development	RP_G23
646430	4078183	0.03353	140.23	1.5	3-HR	New Development	RP_G24
646530	4078183	0.03486	147.25	1.5	3-HR	New Development	RP_G25
646630	4078183	0.0362	151.56	1.5	3-HR	New Development	RP_G26
646730	4078183	0.03796	157.78	1.5	3-HR	New Development	RP_G27
645930	4078283	0.02924	126.06	1.5	3-HR	New Development	RP_G28
646030	4078283	0.02947	129.56	1.5	3-HR	New Development	RP_G29
646130	4077983	0.02914	135.89	1.5	3-HR	New Development	RP_G3
646130	4078283	0.03056	132.89	1.5	3-HR	New Development	RP_G30
646230	4078283	0.03145	139.24	1.5	3-HR	New Development	RP_G31
646330	4078283	0.03285	142.68	1.5	3-HR	New Development	RP_G32
646430	4078283	0.03353	140.02	1.5	3-HR	New Development	RP_G33
646530	4078283	0.03551	147.22	1.5	3-HR	New Development	RP_G34
646630	4078283	0.03645	151.56	1.5	3-HR	New Development	RP_G35
646730	4078283	0.03614	156.78	1.5	3-HR	New Development	RP_G36
646230	4077983	0.03154	139.18	1.5	3-HR	New Development	RP_G4
646330	4077983	0.03359	140.76	1.5	3-HR	New Development	RP_G5
646430	4077983	0.03514	143.89	1.5	3-HR	New Development	RP_G6
646530	4077983	0.03594	145.22	1.5	3-HR	New Development	RP_G7
646630	4077983	0.03584	147.21	1.5	3-HR	New Development	RP_G8
646730	4077983	0.03599	148.3	1.5	3-HR	New Development	RP_G9
648659	4077241	0.1267	205.79	1.5	3-HR	House 1	RP_H1
648071	4076116	0.04496	169.6	1.5	3-HR	House 10	RP_H10
648247	4076278	0.04085	184.55	1.5	3-HR	House 11	RP_H11
648027	4076255	0.0406	169.38	1.5	3-HR	House 12	RP_H12
648066	4076359	0.06394	173.83	1.5	3-HR	House 13	RP_H13

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09/30/21

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- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.06487	178.22	1.5	3-HR	House 14	RP_H14
648255	4076411	0.06386	191.28	1.5	3-HR	House 15	RP_H15
647878	4076365	0.06426	165.39	1.5	3-HR	House 16	RP_H16
647520	4076206	0.04957	159	1.5	3-HR	House 17	RP_H17
647921	4076247	0.04488	164	1.5	3-HR	House 18	RP_H18
647709	4076352	0.06172	163.52	1.5	3-HR	House 19	RP_H19
648372	4075470	0.02973	173.69	1.5	3-HR	House 2	RP_H2
647704	4076251	0.054	162.17	1.5	3-HR	House 20	RP_H20
647719	4076104	0.04327	159.35	1.5	3-HR	House 21	RP_H21
647843	4076125	0.04431	163	1.5	3-HR	House 22	RP_H22
647842	4076500	0.05946	167.93	1.5	3-HR	House 23	RP_H23
647728	4076644	0.05874	164.15	1.5	3-HR	House 24	RP_H24
647824	4076644	0.06011	168.29	1.5	3-HR	House 25	RP_H25
647530	4076497	0.0553	159.56	1.5	3-HR	House 26	RP_H26
647810	4076854	0.07265	162.9	1.5	3-HR	House 27	RP_H27
647697	4076989	0.0573	161.42	1.5	3-HR	House 28	RP_H28
648226	4076182	0.04409	183.22	1.5	3-HR	House 29	RP_H29
647678	4075969	0.04604	159.5	1.5	3-HR	House 3	RP_H3
645876	4077487	0.02646	127.13	1.5	3-HR	House 30	RP_H30
650902	4076062	0.05992	215.24	1.5	3-HR	House 31	RP_H31
651490	4076597	0.06231	205.5	1.5	3-HR	House 32	RP_H32
651565	4077067	0.05479	213.93	1.5	3-HR	House 33	RP_H33
648673	4075307	0.01406	225.91	1.5	3-HR	House 34	RP_H34
648384	4075469	0.02876	174.44	1.5	3-HR	House 35	RP_H35
646379	4077233	0.0339	146	1.5	3-HR	House 36	RP_H36
651850	4075865	0.04933	201.97	1.5	3-HR	House 37	RP_H37
652045	4076210	0.04533	196.88	1.5	3-HR	House 38	RP_H38
652256	4076391	0.04147	197.06	1.5	3-HR	House 39	RP_H39
647815	4075985	0.04493	162.04	1.5	3-HR	House 4	RP_H4
646854	4077373	0.03937	145.99	1.5	3-HR	House 40	RP_H40
647050	4077360	0.04284	145	1.5	3-HR	House 41	RP_H41
647286	4077474	0.04773	149.68	1.5	3-HR	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.04383	154.45	1.5	3-HR	House 43	RP_H43
647490	4077329	0.04889	162.28	1.5	3-HR	House 44	RP_H44
647522	4077252	0.05059	164.3	1.5	3-HR	House 45	RP_H45
647518	4077139	0.04844	164.01	1.5	3-HR	House 46	RP_H46
646819	4077258	0.03357	151.53	1.5	3-HR	House 47	RP_H47
646779	4077128	0.04055	158.51	1.5	3-HR	House 48	RP_H48
646987	4077213	0.03557	146.44	1.5	3-HR	House 49	RP_H49
647898	4076033	0.04544	163.83	1.5	3-HR	House 5	RP_H5
647242	4077227	0.04407	154.85	1.5	3-HR	House 50	RP_H50
646773	4077063	0.04058	159	1.5	3-HR	House 51	RP_H51
647104	4077118	0.04362	148.99	1.5	3-HR	House 52	RP_H52
647292	4077123	0.04249	158.62	1.5	3-HR	House 53	RP_H53
646765	4076978	0.03762	158.67	1.5	3-HR	House 54	RP_H54
646996	4076984	0.04371	152.34	1.5	3-HR	House 55	RP_H55
647317	4077031	0.05196	160.22	1.5	3-HR	House 56	RP_H56
647398	4077013	0.05428	161.26	1.5	3-HR	House 57	RP_H57
646979	4076904	0.04315	156.81	1.5	3-HR	House 58	RP_H58
647015	4076807	0.0457	156.21	1.5	3-HR	House 59	RP_H59
648045	4076018	0.0399	168.26	1.5	3-HR	House 6	RP_H6
647164	4076802	0.04804	154.38	1.5	3-HR	House 60	RP_H60
647311	4076940	0.05324	162.49	1.5	3-HR	House 61	RP_H61
647298	4076805	0.05018	158	1.5	3-HR	House 62	RP_H62
647447	4076900	0.0566	159.45	1.5	3-HR	House 63	RP_H63
647464	4076781	0.05295	159.32	1.5	3-HR	House 64	RP_H64
647512	4076536	0.05639	159	1.5	3-HR	House 65	RP_H65
651131	4078767	0.02875	179.58	1.5	3-HR	House 66	RP_H66
647131	4077336	0.044	146.77	1.5	3-HR	House 67	RP_H67
646798	4076740	0.04572	156.07	1.5	3-HR	House 68	RP_H68
646900	4076802	0.04392	159	1.5	3-HR	House 69	RP_H69
648126	4075955	0.02791	171.51	1.5	3-HR	House 7	RP_H7
647317	4076662	0.05366	159.9	1.5	3-HR	House 70	RP_H70
648249	4075970	0.0215	183.42	1.5	3-HR	House 8	RP_H8

09/30/21

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14:01:17

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.0409	182.28	1.5	3-HR	House 9	RP H9

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* AERMET (21112): Future Flare (1.5m) SO2 24-hr 2018

14:01:17

- PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.00877	123.85	1.5	24-HR	AQ Monitoring Station	AQ_ST_1	1
643904	4077719	0.00607	105.68	1.5	24-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	1
642057	4079416	0.0056	85.12	1.5	24-HR	Dunne Park	CR_PK_1	1
642179	4079950	0.00508	117.99	1.5	24-HR	Vista Park Hill Park	CR_PK_2	1
644733	4078753	0.00816	106.44	1.5	24-HR	Las Brisas Park	CR_PK_3	1
645609	4078854	0.00767	112.86	1.5	24-HR	Frank Klauer Memorial Park	CR_PK_4	1
644238	4078807	0.00779	95.25	1.5	24-HR	Veterans Memorial Park	CR_PK_5	1
645311	4076559	0.0063	134.61	1.5	24-HR	Park 6	CR_PK_6	1
649582	4073424	0.00544	159.96	1.5	24-HR	Park 7	CR_PK_7	1
645145	4077181	0.00749	133	1.5	24-HR	Cerra Vista Elem School	CR_SC_1	1
642905	4079955	0.0046	86	1.5	24-HR	San Andreas Continuation	CR_SC_10	1
645851	4074015	0.00185	123	1.5	24-HR	SouthSide School	CR_SC_11	1
642106	4078176	0.00562	91	1.5	24-HR	School 12	CR SC 12	
646059	4078443	0.01032	128.52	1.5	24-HR	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.00379	158	1.5	24-HR	Future School	CR_SC_14	School 2
648466	4074106	0.00273	159	1.5	24-HR	Tres Pinos Union Elementary School	CR_SC_15	1
644110	4078389	0.0071	98.2	1.5	24-HR	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.00573	101.23	1.5	24-HR	Hollister Montessori School	CR_SC_3	1
642961	4078621	0.00537	92	1.5	24-HR	Rancho San Justo Middle School	CR_SC_4	1
643980	4079743	0.00516	88	1.5	24-HR	Marguerite Maze Middle School	CR_SC_5	1
641630	4079153	0.0049	85	1.5	24-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.00545	98.22	1.5	24-HR	Ladd Lane Elementary School	CR_SC_7	1
644003	4080079	0.00561	87	1.5	24-HR	Gabilan Hills Elementary School	CR_SC_8	1
642245	4078413	0.00494	90.17	1.5	24-HR	San Benito High School	CR_SC_9	1
642083	4079794	0.00519	87.58	1.5	24-HR	Jovenes De Antano	CR_SR_1	1
646402	4076879	0.01154	146.33	1.5	24-HR	Workplace	CR_WP_1	MEIW
648949	4077938	0.00437	189.45	1.5	24-HR	Nearest Workplace	CR_WP_2	1
647744	4079173	0.01219	155.2	1.5	24-HR	Grid Receptor 1	G1	1
647744	4075573	0.00178	160	1.5	24-HR	Grid Receptor 10	G10	1
651344	4075573	0.03132	252.9	1.5	24-HR	Grid Receptor 100	G100	1
648144	4079173	0.00812	165.9	1.5	24-HR	Grid Receptor 11	G11	1
648144	4078773	0.01311	159.6	1.5	24-HR	Grid Receptor 12	G12	1

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* AERMET (21112): Future Flare (1.5m) SO2 24-hr 2018

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- PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.01709	146.2	1.5	24-HR	Grid Receptor 13	G13
648144	4077973	0.0157	158.3	1.5	24-HR	Grid Receptor 14	G14
648144	4077573	0.022	166.6	1.5	24-HR	Grid Receptor 15	G15
648144	4077173	0.04788	175.4	1.5	24-HR	Grid Receptor 16	G16
648144	4076773	0.02755	177.1	1.5	24-HR	Grid Receptor 17	G17
648144	4076373	0.02181	178	1.5	24-HR	Grid Receptor 18	G18
648144	4075973	0.00403	173	1.5	24-HR	Grid Receptor 19	G19
647744	4078773	0.01282	145.4	1.5	24-HR	Grid Receptor 2	G2
648144	4075573	0.00448	168.8	1.5	24-HR	Grid Receptor 20	G20
648544	4079173	0.00313	173.5	1.5	24-HR	Grid Receptor 21	G21
648544	4078773	0.00424	166.2	1.5	24-HR	Grid Receptor 22	G22
648544	4078373	0.00936	145.4	1.5	24-HR	Grid Receptor 23	G23
648544	4077973	0.02149	173.9	1.5	24-HR	Grid Receptor 24	G24
648544	4077573	0.02887	179.6	1.5	24-HR	Grid Receptor 25	G25
648544	4077173	0.03675	191	1.5	24-HR	Grid Receptor 26	G26
648544	4076773	0.07011	209.2	1.5	24-HR	Grid Receptor 27	G27
648544	4076373	0.03262	233.7	1.5	24-HR	Grid Receptor 28	G28
648544	4075973	0.00467	199.9	1.5	24-HR	Grid Receptor 29	G29
647744	4078373	0.0129	144.4	1.5	24-HR	Grid Receptor 3	G3
648544	4075573	0.00594	195.5	1.5	24-HR	Grid Receptor 30	G30
648944	4079173	0.00459	190.4	1.5	24-HR	Grid Receptor 31	G31
648944	4078773	0.00455	165.4	1.5	24-HR	Grid Receptor 32	G32
648944	4078373	0.00451	159.6	1.5	24-HR	Grid Receptor 33	G33
648944	4077973	0.00432	183.5	1.5	24-HR	Grid Receptor 34	G34
648944	4077573	0.01273	224	1.5	24-HR	Grid Receptor 35	G35
648944	4076373	0.01023	205	1.5	24-HR	Grid Receptor 38	G38
648944	4075973	0.01031	208.8	1.5	24-HR	Grid Receptor 39	G39
647744	4077973	0.01552	134.6	1.5	24-HR	Grid Receptor 4	G4
648944	4075573	0.00384	185.6	1.5	24-HR	Grid Receptor 40	G40
649344	4079173	0.003	187.4	1.5	24-HR	Grid Receptor 41	G41
649344	4078773	0.00287	160.9	1.5	24-HR	Grid Receptor 42	G42
649344	4078373	0.00322	200.5	1.5	24-HR	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00423	229	1.5	24-HR	Grid Receptor 44	G44
649344	4077573	0.03988	253.3	1.5	24-HR	Grid Receptor 45	G45
649344	4076373	0.08299	220.2	1.5	24-HR	Grid Receptor 48	G48
649344	4075973	0.02294	227.2	1.5	24-HR	Grid Receptor 49	G49
647744	4077573	0.02272	163.8	1.5	24-HR	Grid Receptor 5	G5
649344	4075573	0.0137	205.5	1.5	24-HR	Grid Receptor 50	G50
649744	4079173	0.00285	176.1	1.5	24-HR	Grid Receptor 51	G51
649744	4078773	0.00401	195	1.5	24-HR	Grid Receptor 52	G52
649744	4078373	0.00488	196.1	1.5	24-HR	Grid Receptor 53	G53
649744	4077973	0.00507	215.3	1.5	24-HR	Grid Receptor 54	G54
649744	4077573	0.0042	221.6	1.5	24-HR	Grid Receptor 55	G55
649744	4076373	0.05709	211.7	1.5	24-HR	Grid Receptor 58	G58
649744	4075973	0.04626	237.7	1.5	24-HR	Grid Receptor 59	G59
647744	4077173	0.0251	158.4	1.5	24-HR	Grid Receptor 6	G6
649744	4075573	0.02485	204.2	1.5	24-HR	Grid Receptor 60	G60
650144	4079173	0.00469	173	1.5	24-HR	Grid Receptor 61	G61
650144	4078773	0.00405	171	1.5	24-HR	Grid Receptor 62	G62
650144	4078373	0.00296	204.6	1.5	24-HR	Grid Receptor 63	G63
650144	4077973	0.0082	216.5	1.5	24-HR	Grid Receptor 64	G64
650144	4077573	0.02285	257.7	1.5	24-HR	Grid Receptor 65	G65
650144	4076373	0.04873	231.4	1.5	24-HR	Grid Receptor 68	G68
650144	4075973	0.04697	249.4	1.5	24-HR	Grid Receptor 69	G69
647744	4076773	0.01917	164.7	1.5	24-HR	Grid Receptor 7	G7
650144	4075573	0.02286	216.4	1.5	24-HR	Grid Receptor 70	G70
650544	4079173	0.00305	177	1.5	24-HR	Grid Receptor 71	G71
650544	4078773	0.00353	180.9	1.5	24-HR	Grid Receptor 72	G72
650544	4078373	0.00901	196.6	1.5	24-HR	Grid Receptor 73	G73
650544	4077973	0.01155	236.9	1.5	24-HR	Grid Receptor 74	G74
650544	4077573	0.03369	261.3	1.5	24-HR	Grid Receptor 75	G75
650544	4076373	0.05841	260.9	1.5	24-HR	Grid Receptor 78	G78
650544	4075973	0.0307	226.7	1.5	24-HR	Grid Receptor 79	G79
647744	4076373	0.01895	164	1.5	24-HR	Grid Receptor 8	G8

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.08598	268.2	1.5	24-HR	Grid Receptor 80	G80
650944	4079173	0.00463	181.3	1.5	24-HR	Grid Receptor 81	G81
650944	4078773	0.00727	178.4	1.5	24-HR	Grid Receptor 82	G82
650944	4078373	0.0092	214.8	1.5	24-HR	Grid Receptor 83	G83
650944	4077973	0.01455	249.9	1.5	24-HR	Grid Receptor 84	G84
650944	4077573	0.04276	276.5	1.5	24-HR	Grid Receptor 85	G85
650944	4077173	0.02234	225.6	1.5	24-HR	Grid Receptor 86	G86
650944	4076773	0.02143	219.8	1.5	24-HR	Grid Receptor 87	G87
650944	4076373	0.03663	209.2	1.5	24-HR	Grid Receptor 88	G88
650944	4075973	0.01988	216.6	1.5	24-HR	Grid Receptor 89	G89
647744	4075973	0.00824	160.7	1.5	24-HR	Grid Receptor 9	G9
650944	4075573	0.0196	243.2	1.5	24-HR	Grid Receptor 90	G90
651344	4079173	0.00659	191	1.5	24-HR	Grid Receptor 91	G91
651344	4078773	0.0061	181	1.5	24-HR	Grid Receptor 92	G92
651344	4078373	0.00826	214.3	1.5	24-HR	Grid Receptor 93	G93
651344	4077973	0.02309	248.4	1.5	24-HR	Grid Receptor 94	G94
651344	4077573	0.01888	213.2	1.5	24-HR	Grid Receptor 95	G95
651344	4077173	0.01431	213.6	1.5	24-HR	Grid Receptor 96	G96
651344	4076773	0.02205	203.5	1.5	24-HR	Grid Receptor 97	G97
651344	4076373	0.03055	205.6	1.5	24-HR	Grid Receptor 98	G98
651344	4075973	0.01675	205.8	1.5	24-HR	Grid Receptor 99	G99
648584	4077523	0.03108	183.61	1.5	24-HR	Boundary Perimeter 1	P1
649484	4077537	0.05414	254.01	1.5	24-HR	Boundary Perimeter 10	P10
649584	4077539	0.00626	235.3	1.5	24-HR	Boundary Perimeter 11	P11
649684	4077540	0.00422	221.29	1.5	24-HR	Boundary Perimeter 12	P12
649784	4077541	0.00513	222.37	1.5	24-HR	Boundary Perimeter 13	P13
649884	4077542	0.01003	233.6	1.5	24-HR	Boundary Perimeter 14	P14
649984	4077543	0.0227	249.54	1.5	24-HR	Boundary Perimeter 15	P15
650084	4077546	0.03106	258.89	1.5	24-HR	Boundary Perimeter 16	P16
650184	4077548	0.03254	259.56	1.5	24-HR	Boundary Perimeter 17	P17
650284	4077550	0.02367	256.77	1.5	24-HR	Boundary Perimeter 18	P18
650384	4077552	0.01164	242.37	1.5	24-HR	Boundary Perimeter 19	P19

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.03893	197.16	1.5	24-HR	Boundary Perimeter 2	P2
650484	4077554	0.01899	242.23	1.5	24-HR	Boundary Perimeter 20	P20
650584	4077557	0.03139	259.71	1.5	24-HR	Boundary Perimeter 21	P21
650684	4077559	0.03744	257.58	1.5	24-HR	Boundary Perimeter 22	P22
650777	4077554	0.0547	267.9	1.5	24-HR	Boundary Perimeter 23	P23
650779	4077454	0.03959	275.91	1.5	24-HR	Boundary Perimeter 24	P24
650781	4077354	0.05298	265.73	1.5	24-HR	Boundary Perimeter 25	P25
650783	4077254	0.02979	251.08	1.5	24-HR	Boundary Perimeter 26	P26
650785	4077154	0.03541	252.83	1.5	24-HR	Boundary Perimeter 27	P27
650787	4077054	0.02839	246.1	1.5	24-HR	Boundary Perimeter 28	P28
650789	4076954	0.0207	241.37	1.5	24-HR	Boundary Perimeter 29	P29
648784	4077527	0.0402	209.74	1.5	24-HR	Boundary Perimeter 3	Р3
650791	4076854	0.02775	246.79	1.5	24-HR	Boundary Perimeter 30	P30
650794	4076754	0.02243	228.75	1.5	24-HR	Boundary Perimeter 31	P31
650754	4076683	0.02707	217.76	1.5	24-HR	Boundary Perimeter 32	P32
650660	4076650	0.0287	221.2	1.5	24-HR	Boundary Perimeter 33	P33
650561	4076650	0.02861	220.83	1.5	24-HR	Boundary Perimeter 34	P34
650463	4076666	0.02739	223.42	1.5	24-HR	Boundary Perimeter 35	P35
650364	4076682	0.0248	222.46	1.5	24-HR	Boundary Perimeter 36	P36
650264	4076683	0.02787	223.19	1.5	24-HR	Boundary Perimeter 37	P37
650165	4076674	0.03121	222.1	1.5	24-HR	Boundary Perimeter 38	P38
650066	4076660	0.03638	217.03	1.5	24-HR	Boundary Perimeter 39	P39
648884	4077529	0.02535	214.25	1.5	24-HR	Boundary Perimeter 4	P4
649980	4076627	0.03987	214.82	1.5	24-HR	Boundary Perimeter 40	P40
649920	4076547	0.05582	214.91	1.5	24-HR	Boundary Perimeter 41	P41
649852	4076474	0.0715	214.09	1.5	24-HR	Boundary Perimeter 42	P42
649771	4076417	0.07797	211.53	1.5	24-HR	Boundary Perimeter 43	P43
649680	4076375	0.07118	210.17	1.5	24-HR	Boundary Perimeter 44	P44
649581	4076368	0.09493	208.52	1.5	24-HR	Boundary Perimeter 45	P45
649482	4076384	0.11519	207.5	1.5	24-HR	Boundary Perimeter 46	P46
649392	4076425	0.10013	205.17	1.5	24-HR	Boundary Perimeter 47	P47
649304	4076472	0.01599	202.16	1.5	24-HR	Boundary Perimeter 48	P48

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
649226	4076535	0.0101	196.38	1.5	24-HR	Boundary Perimeter 49	P49	
648984	4077530	0.01084	221.41	1.5	24-HR	Boundary Perimeter 5	P5	
649156	4076605	0.04498	195.87	1.5	24-HR	Boundary Perimeter 50	P50	
649068	4076653	0.12341	196.32	1.5	24-HR	Boundary Perimeter 51	P51	
648987	4076711	0.12637	192.42	1.5	24-HR	Boundary Perimeter 52	P52	PMI
648937	4076759	0.11816	192.46	1.5	24-HR	Boundary Perimeter 53	P53	
648869	4076833	0.08726	191.63	1.5	24-HR	Boundary Perimeter 54	P54	
648797	4076902	0.0628	186.32	1.5	24-HR	Boundary Perimeter 55	P55	
648711	4076952	0.06099	179.81	1.5	24-HR	Boundary Perimeter 56	P56	
648621	4076996	0.06064	176.23	1.5	24-HR	Boundary Perimeter 57	P57	
648607	4077051	0.04129	175.02	1.5	24-HR	Boundary Perimeter 58	P58	
648680	4077119	0.03506	180.62	1.5	24-HR	Boundary Perimeter 59	P59	
649084	4077532	0.00588	216.54	1.5	24-HR	Boundary Perimeter 6	P6	
648759	4077180	0.03581	183.47	1.5	24-HR	Boundary Perimeter 60	P60	
648791	4077262	0.05054	202.88	1.5	24-HR	Boundary Perimeter 61	P61	
648788	4077362	0.04129	178.21	1.5	24-HR	Boundary Perimeter 62	P62	
648691	4077361	0.03492	176.25	1.5	24-HR	Boundary Perimeter 63	P63	
648591	4077357	0.02852	176	1.5	24-HR	Boundary Perimeter 64	P64	
648526	4077371	0.02734	175.24	1.5	24-HR	Boundary Perimeter 65	P65	
648587	4077430	0.02701	175.13	1.5	24-HR	Boundary Perimeter 66	P66	
649184	4077534	0.00771	230.71	1.5	24-HR	Boundary Perimeter 7	P7	
649284	4077535	0.01925	248.08	1.5	24-HR	Boundary Perimeter 8	P8	
649384	4077536	0.06664	258.43	1.5	24-HR	Boundary Perimeter 9	P9	
645930	4077983	0.0121	127.38	1.5	24-HR	New Development	RP_G1	
645930	4078083	0.01185	127.58	1.5	24-HR	New Development	RP_G10	
646030	4078083	0.01202	130.56	1.5	24-HR	New Development	RP_G11	
646130	4078083	0.01215	134.35	1.5	24-HR	New Development	RP_G12	
646230	4078083	0.01225	139.22	1.5	24-HR	New Development	RP_G13	
646330	4078083	0.01304	144.65	1.5	24-HR	New Development	RP_G14	
646430	4078083	0.0136	142.28	1.5	24-HR	New Development	RP_G15	
646530	4078083	0.01413	146.76	1.5	24-HR	New Development	RP_G16	
646630	4078083	0.01443	150.64	1.5	24-HR	New Development	RP_G17	

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* FOR A TOTAL OF 289 RECEPTORS.

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1 01		A,5(174,1 15.5),5(174,1 0.2	2,,521,113,211,	,, 10,211,113,31	1,110,211,10)		
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.01447	155.4	1.5	24-HR	New Development	RP_G18
645930	4078183	0.01131	127.22	1.5	24-HR	New Development	RP_G19
646030	4077983	0.01242	131.21	1.5	24-HR	New Development	RP_G2
646030	4078183	0.01134	130.56	1.5	24-HR	New Development	RP_G20
646130	4078183	0.01169	133.89	1.5	24-HR	New Development	RP_G21
646230	4078183	0.01233	140.45	1.5	24-HR	New Development	RP_G22
646330	4078183	0.01287	146.94	1.5	24-HR	New Development	RP_G23
646430	4078183	0.01295	140.23	1.5	24-HR	New Development	RP_G24
646530	4078183	0.01309	147.25	1.5	24-HR	New Development	RP_G25
646630	4078183	0.01292	151.56	1.5	24-HR	New Development	RP_G26
646730	4078183	0.01252	157.78	1.5	24-HR	New Development	RP_G27
645930	4078283	0.01059	126.06	1.5	24-HR	New Development	RP_G28
646030	4078283	0.01111	129.56	1.5	24-HR	New Development	RP_G29
646130	4077983	0.01271	135.89	1.5	24-HR	New Development	RP_G3
646130	4078283	0.01152	132.89	1.5	24-HR	New Development	RP_G30
646230	4078283	0.01185	139.24	1.5	24-HR	New Development	RP_G31
646330	4078283	0.01196	142.68	1.5	24-HR	New Development	RP_G32
646430	4078283	0.01174	140.02	1.5	24-HR	New Development	RP_G33
646530	4078283	0.01149	147.22	1.5	24-HR	New Development	RP_G34
646630	4078283	0.01136	151.56	1.5	24-HR	New Development	RP_G35
646730	4078283	0.01196	156.78	1.5	24-HR	New Development	RP_G36
646230	4077983	0.01295	139.18	1.5	24-HR	New Development	RP_G4
646330	4077983	0.01311	140.76	1.5	24-HR	New Development	RP_G5
646430	4077983	0.01354	143.89	1.5	24-HR	New Development	RP_G6
646530	4077983	0.01442	145.22	1.5	24-HR	New Development	RP_G7
646630	4077983	0.01516	147.21	1.5	24-HR	New Development	RP_G8
646730	4077983	0.01565	148.3	1.5	24-HR	New Development	RP_G9
648659	4077241	0.03748	205.79	1.5	24-HR	House 1	RP_H1
648071	4076116	0.01095	169.6	1.5	24-HR	House 10	RP_H10
648247	4076278	0.01707	184.55	1.5	24-HR	House 11	RP_H11
648027	4076255	0.01655	169.38	1.5	24-HR	House 12	RP_H12
648066	4076359	0.02097	173.83	1.5	24-HR	House 13	RP_H13

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 24-hr 2018

14:01:17

- PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.02268	178.22	1.5	24-HR	House 14	RP_H14
648255	4076411	0.02435	191.28	1.5	24-HR	House 15	RP_H15
647878	4076365	0.01995	165.39	1.5	24-HR	House 16	RP_H16
647520	4076206	0.01476	159	1.5	24-HR	House 17	RP_H17
647921	4076247	0.01635	164	1.5	24-HR	House 18	RP_H18
647709	4076352	0.01851	163.52	1.5	24-HR	House 19	RP_H19
648372	4075470	0.00468	173.69	1.5	24-HR	House 2	RP_H2
647704	4076251	0.01637	162.17	1.5	24-HR	House 20	RP_H20
647719	4076104	0.0119	159.35	1.5	24-HR	House 21	RP_H21
647843	4076125	0.01227	163	1.5	24-HR	House 22	RP_H22
647842	4076500	0.01821	167.93	1.5	24-HR	House 23	RP_H23
647728	4076644	0.01607	164.15	1.5	24-HR	House 24	RP_H24
647824	4076644	0.01675	168.29	1.5	24-HR	House 25	RP_H25
647530	4076497	0.01492	159.56	1.5	24-HR	House 26	RP_H26
647810	4076854	0.02187	162.9	1.5	24-HR	House 27	RP_H27
647697	4076989	0.01849	161.42	1.5	24-HR	House 28	RP_H28
648226	4076182	0.01266	183.22	1.5	24-HR	House 29	RP_H29
647678	4075969	0.00846	159.5	1.5	24-HR	House 3	RP_H3
645876	4077487	0.00736	127.13	1.5	24-HR	House 30	RP_H30
650902	4076062	0.01954	215.24	1.5	24-HR	House 31	RP_H31
651490	4076597	0.02351	205.5	1.5	24-HR	House 32	RP_H32
651565	4077067	0.01417	213.93	1.5	24-HR	House 33	RP_H33
648673	4075307	0.00225	225.91	1.5	24-HR	House 34	RP_H34
648384	4075469	0.0048	174.44	1.5	24-HR	House 35	RP_H35
646379	4077233	0.00975	146	1.5	24-HR	House 36	RP_H36
651850	4075865	0.01354	201.97	1.5	24-HR	House 37	RP_H37
652045	4076210	0.01961	196.88	1.5	24-HR	House 38	RP_H38
652256	4076391	0.02037	197.06	1.5	24-HR	House 39	RP_H39
647815	4075985	0.00817	162.04	1.5	24-HR	House 4	RP_H4
646854	4077373	0.01382	145.99	1.5	24-HR	House 40	RP_H40
647050	4077360	0.01608	145	1.5	24-HR	House 41	RP_H41
647286	4077474	0.02105	149.68	1.5	24-HR	House 42	RP_H42

09/30/21

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.02028	154.45	1.5	24-HR	House 43	RP_H43
647490	4077329	0.02295	162.28	1.5	24-HR	House 44	RP_H44
647522	4077252	0.02169	164.3	1.5	24-HR	House 45	RP_H45
647518	4077139	0.01894	164.01	1.5	24-HR	House 46	RP_H46
646819	4077258	0.01095	151.53	1.5	24-HR	House 47	RP_H47
646779	4077128	0.01197	158.51	1.5	24-HR	House 48	RP_H48
646987	4077213	0.01189	146.44	1.5	24-HR	House 49	RP_H49
647898	4076033	0.00913	163.83	1.5	24-HR	House 5	RP_H5
647242	4077227	0.01552	154.85	1.5	24-HR	House 50	RP_H50
646773	4077063	0.0122	159	1.5	24-HR	House 51	RP_H51
647104	4077118	0.01307	148.99	1.5	24-HR	House 52	RP_H52
647292	4077123	0.0145	158.62	1.5	24-HR	House 53	RP_H53
646765	4076978	0.0119	158.67	1.5	24-HR	House 54	RP_H54
646996	4076984	0.01348	152.34	1.5	24-HR	House 55	RP_H55
647317	4077031	0.01552	160.22	1.5	24-HR	House 56	RP_H56
647398	4077013	0.01626	161.26	1.5	24-HR	House 57	RP_H57
646979	4076904	0.0132	156.81	1.5	24-HR	House 58	RP_H58
647015	4076807	0.01408	156.21	1.5	24-HR	House 59	RP_H59
648045	4076018	0.00714	168.26	1.5	24-HR	House 6	RP_H6
647164	4076802	0.01474	154.38	1.5	24-HR	House 60	RP_H60
647311	4076940	0.01618	162.49	1.5	24-HR	House 61	RP_H61
647298	4076805	0.01537	158	1.5	24-HR	House 62	RP_H62
647447	4076900	0.01735	159.45	1.5	24-HR	House 63	RP_H63
647464	4076781	0.01631	159.32	1.5	24-HR	House 64	RP_H64
647512	4076536	0.01363	159	1.5	24-HR	House 65	RP_H65
651131	4078767	0.00708	179.58	1.5	24-HR	House 66	RP_H66
647131	4077336	0.01672	146.77	1.5	24-HR	House 67	RP_H67
646798	4076740	0.01272	156.07	1.5	24-HR	House 68	RP_H68
646900	4076802	0.0136	159	1.5	24-HR	House 69	RP_H69
648126	4075955	0.00368	171.51	1.5	24-HR	House 7	RP_H7
647317	4076662	0.01407	159.9	1.5	24-HR	House 70	RP_H70
648249	4075970	0.00295	183.42	1.5	24-HR	House 8	RP_H8

09/30/21

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.00903	182.28	1.5	24-HR	House 9	RP_H9

09/30/21

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14:01:30

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.05923	123.85	1.5	1-HR	AQ Monitoring Station	AQ_ST_1	1
643904	4077719	0.03668	105.68	1.5	1-HR	Hazel Hawkins Memorial Hospital	CR_HP_1]
642057	4079416	0.03471	85.12	1.5	1-HR	Dunne Park	CR_PK_1	1
642179	4079950	0.03454	117.99	1.5	1-HR	Vista Park Hill Park	CR_PK_2	1
644733	4078753	0.03712	106.44	1.5	1-HR	Las Brisas Park	CR_PK_3	1
645609	4078854	0.06203	112.86	1.5	1-HR	Frank Klauer Memorial Park	CR_PK_4	1
644238	4078807	0.03254	95.25	1.5	1-HR	Veterans Memorial Park	CR_PK_5	1
645311	4076559	0.03163	134.61	1.5	1-HR	Park 6	CR_PK_6	1
649582	4073424	0.03596	159.96	1.5	1-HR	Park 7	CR_PK_7	1
645145	4077181	0.04026	133	1.5	1-HR	Cerra Vista Elem School	CR_SC_1	1
642905	4079955	0.0456	86	1.5	1-HR	San Andreas Continuation	CR_SC_10	1
645851	4074015	0.056	123	1.5	1-HR	SouthSide School	CR_SC_11	1
642106	4078176	0.03327	91	1.5	1-HR	School 12	CR SC 12	
646059	4078443	0.06344	128.52	1.5	1-HR	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.14666	158	1.5	1-HR	Future School	CR_SC_14	School 2
648466	4074106	0.06129	159	1.5	1-HR	Tres Pinos Union Elementary School	CR_SC_15	1
644110	4078389	0.03192	98.2	1.5	1-HR	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.03143	101.23	1.5	1-HR	Hollister Montessori School	CR_SC_3	1
642961	4078621	0.03247	92	1.5	1-HR	Rancho San Justo Middle School	CR_SC_4	1
643980	4079743	0.05898	88	1.5	1-HR	Marguerite Maze Middle School	CR_SC_5	1
641630	4079153	0.03498	85	1.5	1-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.03171	98.22	1.5	1-HR	Ladd Lane Elementary School	CR_SC_7	1
644003	4080079	0.04964	87	1.5	1-HR	Gabilan Hills Elementary School	CR_SC_8	1
642245	4078413	0.03328	90.17	1.5	1-HR	San Benito High School	CR_SC_9	1
642083	4079794	0.03401	87.58	1.5	1-HR	Jovenes De Antano	CR_SR_1	1
646402	4076879	0.04299	146.33	1.5	1-HR	Workplace	CR_WP_1	1
648949	4077938	0.24685	189.45	1.5	1-HR	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.09641	155.2	1.5	1-HR	Grid Receptor 1	G1	1
647744	4075573	0.09297	160	1.5	1-HR	Grid Receptor 10	G10	1
651344	4075573	0.23307	252.9	1.5	1-HR	Grid Receptor 100	G100	1
648144	4079173	0.09715	165.9	1.5	1-HR	Grid Receptor 11	G11	1
648144	4078773	0.09043	159.6	1.5	1-HR	Grid Receptor 12	G12	1

09/30/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.13327	146.2	1.5	1-HR	Grid Receptor 13	G13
648144	4077973	0.16504	158.3	1.5	1-HR	Grid Receptor 14	G14
648144	4077573	0.07954	166.6	1.5	1-HR	Grid Receptor 15	G15
648144	4077173	0.08416	175.4	1.5	1-HR	Grid Receptor 16	G16
648144	4076773	0.05479	177.1	1.5	1-HR	Grid Receptor 17	G17
648144	4076373	0.1055	178	1.5	1-HR	Grid Receptor 18	G18
648144	4075973	0.17012	173	1.5	1-HR	Grid Receptor 19	G19
647744	4078773	0.13966	145.4	1.5	1-HR	Grid Receptor 2	G2
648144	4075573	0.12372	168.8	1.5	1-HR	Grid Receptor 20	G20
648544	4079173	0.16853	173.5	1.5	1-HR	Grid Receptor 21	G21
648544	4078773	0.16919	166.2	1.5	1-HR	Grid Receptor 22	G22
648544	4078373	0.14177	145.4	1.5	1-HR	Grid Receptor 23	G23
648544	4077973	0.09836	173.9	1.5	1-HR	Grid Receptor 24	G24
648544	4077573	0.16665	179.6	1.5	1-HR	Grid Receptor 25	G25
648544	4077173	0.13977	191	1.5	1-HR	Grid Receptor 26	G26
648544	4076773	0.12429	209.2	1.5	1-HR	Grid Receptor 27	G27
648544	4076373	0.17285	233.7	1.5	1-HR	Grid Receptor 28	G28
648544	4075973	0.155	199.9	1.5	1-HR	Grid Receptor 29	G29
647744	4078373	0.14121	144.4	1.5	1-HR	Grid Receptor 3	G3
648544	4075573	0.09647	195.5	1.5	1-HR	Grid Receptor 30	G30
648944	4079173	0.12433	190.4	1.5	1-HR	Grid Receptor 31	G31
648944	4078773	0.14622	165.4	1.5	1-HR	Grid Receptor 32	G32
648944	4078373	0.18181	159.6	1.5	1-HR	Grid Receptor 33	G33
648944	4077973	0.23852	183.5	1.5	1-HR	Grid Receptor 34	G34
648944	4077573	0.2726	224	1.5	1-HR	Grid Receptor 35	G35
648944	4076373	0.11111	205	1.5	1-HR	Grid Receptor 38	G38
648944	4075973	0.10367	208.8	1.5	1-HR	Grid Receptor 39	G39
647744	4077973	0.07119	134.6	1.5	1-HR	Grid Receptor 4	G4
648944	4075573	0.07005	185.6	1.5	1-HR	Grid Receptor 40	G40
649344	4079173	0.10255	187.4	1.5	1-HR	Grid Receptor 41	G41
649344	4078773	0.09504	160.9	1.5	1-HR	Grid Receptor 42	G42
649344	4078373	0.12111	200.5	1.5	1-HR	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.14419	229	1.5	1-HR	Grid Receptor 44	G44
649344	4077573	0.43879	253.3	1.5	1-HR	Grid Receptor 45	G45
649344	4076373	0.40059	220.2	1.5	1-HR	Grid Receptor 48	G48
649344	4075973	0.25366	227.2	1.5	1-HR	Grid Receptor 49	G49
647744	4077573	0.06476	163.8	1.5	1-HR	Grid Receptor 5	G5
649344	4075573	0.14615	205.5	1.5	1-HR	Grid Receptor 50	G50
649744	4079173	0.07998	176.1	1.5	1-HR	Grid Receptor 51	G51
649744	4078773	0.0868	195	1.5	1-HR	Grid Receptor 52	G52
649744	4078373	0.08111	196.1	1.5	1-HR	Grid Receptor 53	G53
649744	4077973	0.08018	215.3	1.5	1-HR	Grid Receptor 54	G54
649744	4077573	0.13751	221.6	1.5	1-HR	Grid Receptor 55	G55
649744	4076373	0.27118	211.7	1.5	1-HR	Grid Receptor 58	G58
649744	4075973	0.16752	237.7	1.5	1-HR	Grid Receptor 59	G59
647744	4077173	0.07108	158.4	1.5	1-HR	Grid Receptor 6	G6
649744	4075573	0.13673	204.2	1.5	1-HR	Grid Receptor 60	G60
650144	4079173	0.09087	173	1.5	1-HR	Grid Receptor 61	G61
650144	4078773	0.09129	171	1.5	1-HR	Grid Receptor 62	G62
650144	4078373	0.07391	204.6	1.5	1-HR	Grid Receptor 63	G63
650144	4077973	0.04686	216.5	1.5	1-HR	Grid Receptor 64	G64
650144	4077573	0.44879	257.7	1.5	1-HR	Grid Receptor 65	G65
650144	4076373	0.18697	231.4	1.5	1-HR	Grid Receptor 68	G68
650144	4075973	0.3318	249.4	1.5	1-HR	Grid Receptor 69	G69
647744	4076773	0.0542	164.7	1.5	1-HR	Grid Receptor 7	G7
650144	4075573	0.1044	216.4	1.5	1-HR	Grid Receptor 70	G70
650544	4079173	0.07663	177	1.5	1-HR	Grid Receptor 71	G71
650544	4078773	0.05531	180.9	1.5	1-HR	Grid Receptor 72	G72
650544	4078373	0.06757	196.6	1.5	1-HR	Grid Receptor 73	G73
650544	4077973	0.11874	236.9	1.5	1-HR	Grid Receptor 74	G74
650544	4077573	0.54057	261.3	1.5	1-HR	Grid Receptor 75	G75
650544	4076373	0.57946	260.9	1.5	1-HR	Grid Receptor 78	G78
650544	4075973	0.11483	226.7	1.5	1-HR	Grid Receptor 79	G79
647744	4076373	0.06931	164	1.5	1-HR	Grid Receptor 8	G8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.56182	268.2	1.5	1-HR	Grid Receptor 80	G80
650944	4079173	0.04973	181.3	1.5	1-HR	Grid Receptor 81	G81
650944	4078773	0.07353	178.4	1.5	1-HR	Grid Receptor 82	G82
650944	4078373	0.12062	214.8	1.5	1-HR	Grid Receptor 83	G83
650944	4077973	0.23783	249.9	1.5	1-HR	Grid Receptor 84	G84
650944	4077573	0.61039	276.5	1.5	1-HR	Grid Receptor 85	G85
650944	4077173	0.08664	225.6	1.5	1-HR	Grid Receptor 86	G86
650944	4076773	0.08487	219.8	1.5	1-HR	Grid Receptor 87	G87
650944	4076373	0.08688	209.2	1.5	1-HR	Grid Receptor 88	G88
650944	4075973	0.08857	216.6	1.5	1-HR	Grid Receptor 89	G89
647744	4075973	0.18981	160.7	1.5	1-HR	Grid Receptor 9	G9
650944	4075573	0.12128	243.2	1.5	1-HR	Grid Receptor 90	G90
651344	4079173	0.07973	191	1.5	1-HR	Grid Receptor 91	G91
651344	4078773	0.10499	181	1.5	1-HR	Grid Receptor 92	G92
651344	4078373	0.10249	214.3	1.5	1-HR	Grid Receptor 93	G93
651344	4077973	0.16152	248.4	1.5	1-HR	Grid Receptor 94	G94
651344	4077573	0.06545	213.2	1.5	1-HR	Grid Receptor 95	G95
651344	4077173	0.0694	213.6	1.5	1-HR	Grid Receptor 96	G96
651344	4076773	0.06653	203.5	1.5	1-HR	Grid Receptor 97	G97
651344	4076373	0.06844	205.6	1.5	1-HR	Grid Receptor 98	G98
651344	4075973	0.07542	205.8	1.5	1-HR	Grid Receptor 99	G99
648584	4077523	0.16495	183.61	1.5	1-HR	Boundary Perimeter 1	P1
649484	4077537	0.50567	254.01	1.5	1-HR	Boundary Perimeter 10	P10
649584	4077539	0.11101	235.3	1.5	1-HR	Boundary Perimeter 11	P11
649684	4077540	0.15631	221.29	1.5	1-HR	Boundary Perimeter 12	P12
649784	4077541	0.11022	222.37	1.5	1-HR	Boundary Perimeter 13	P13
649884	4077542	0.04811	233.6	1.5	1-HR	Boundary Perimeter 14	P14
649984	4077543	0.26512	249.54	1.5	1-HR	Boundary Perimeter 15	P15
650084	4077546	0.55014	258.89	1.5	1-HR	Boundary Perimeter 16	P16
650184	4077548	0.52719	259.56	1.5	1-HR	Boundary Perimeter 17	P17
650284	4077550	0.39989	256.77	1.5	1-HR	Boundary Perimeter 18	P18
650384	4077552	0.12173	242.37	1.5	1-HR	Boundary Perimeter 19	P19

09/30/21

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- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.14829	197.16	1.5	1-HR	Boundary Perimeter 2	P2
650484	4077554	0.12099	242.23	1.5	1-HR	Boundary Perimeter 20	P20
650584	4077557	0.48276	259.71	1.5	1-HR	Boundary Perimeter 21	P21
650684	4077559	0.43038	257.58	1.5	1-HR	Boundary Perimeter 22	P22
650777	4077554	0.57864	267.9	1.5	1-HR	Boundary Perimeter 23	P23
650779	4077454	0.56725	275.91	1.5	1-HR	Boundary Perimeter 24	P24
650781	4077354	0.54436	265.73	1.5	1-HR	Boundary Perimeter 25	P25
650783	4077254	0.24014	251.08	1.5	1-HR	Boundary Perimeter 26	P26
650785	4077154	0.28551	252.83	1.5	1-HR	Boundary Perimeter 27	P27
650787	4077054	0.1686	246.1	1.5	1-HR	Boundary Perimeter 28	P28
650789	4076954	0.09949	241.37	1.5	1-HR	Boundary Perimeter 29	P29
648784	4077527	0.15506	209.74	1.5	1-HR	Boundary Perimeter 3	Р3
650791	4076854	0.16733	246.79	1.5	1-HR	Boundary Perimeter 30	P30
650794	4076754	0.09161	228.75	1.5	1-HR	Boundary Perimeter 31	P31
650754	4076683	0.08932	217.76	1.5	1-HR	Boundary Perimeter 32	P32
650660	4076650	0.09823	221.2	1.5	1-HR	Boundary Perimeter 33	P33
650561	4076650	0.10263	220.83	1.5	1-HR	Boundary Perimeter 34	P34
650463	4076666	0.10218	223.42	1.5	1-HR	Boundary Perimeter 35	P35
650364	4076682	0.1085	222.46	1.5	1-HR	Boundary Perimeter 36	P36
650264	4076683	0.11083	223.19	1.5	1-HR	Boundary Perimeter 37	P37
650165	4076674	0.11031	222.1	1.5	1-HR	Boundary Perimeter 38	P38
650066	4076660	0.11683	217.03	1.5	1-HR	Boundary Perimeter 39	P39
648884	4077529	0.22398	214.25	1.5	1-HR	Boundary Perimeter 4	P4
649980	4076627	0.11714	214.82	1.5	1-HR	Boundary Perimeter 40	P40
649920	4076547	0.20954	214.91	1.5	1-HR	Boundary Perimeter 41	P41
649852	4076474	0.24462	214.09	1.5	1-HR	Boundary Perimeter 42	P42
649771	4076417	0.32291	211.53	1.5	1-HR	Boundary Perimeter 43	P43
649680	4076375	0.31017	210.17	1.5	1-HR	Boundary Perimeter 44	P44
649581	4076368	0.26165	208.52	1.5	1-HR	Boundary Perimeter 45	P45
649482	4076384	0.32021	207.5	1.5	1-HR	Boundary Perimeter 46	P46
649392	4076425	0.35668	205.17	1.5	1-HR	Boundary Perimeter 47	P47
649304	4076472	0.2007	202.16	1.5	1-HR	Boundary Perimeter 48	P48

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* AERMET (19191): Flare (1.5m) SO2 1-hr 2019

14:01:30

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

1 01	CIVII 11 . (21,12	(171,113.3),3(171,10.3)	2),311,113,211,	1 10,211,113,31	1,110,211,10)		
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.11428	196.38	1.5	1-HR	Boundary Perimeter 49	P49
648984	4077530	0.28172	221.41	1.5	1-HR	Boundary Perimeter 5	P5
649156	4076605	0.25233	195.87	1.5	1-HR	Boundary Perimeter 50	P50
649068	4076653	0.2731	196.32	1.5	1-HR	Boundary Perimeter 51	P51
648987	4076711	0.21489	192.42	1.5	1-HR	Boundary Perimeter 52	P52
648937	4076759	0.19276	192.46	1.5	1-HR	Boundary Perimeter 53	P53
648869	4076833	0.16687	191.63	1.5	1-HR	Boundary Perimeter 54	P54
648797	4076902	0.16187	186.32	1.5	1-HR	Boundary Perimeter 55	P55
648711	4076952	0.15196	179.81	1.5	1-HR	Boundary Perimeter 56	P56
648621	4076996	0.1485	176.23	1.5	1-HR	Boundary Perimeter 57	P57
648607	4077051	0.13338	175.02	1.5	1-HR	Boundary Perimeter 58	P58
648680	4077119	0.15915	180.62	1.5	1-HR	Boundary Perimeter 59	P59
649084	4077532	0.27113	216.54	1.5	1-HR	Boundary Perimeter 6	P6
648759	4077180	0.16002	183.47	1.5	1-HR	Boundary Perimeter 60	P60
648791	4077262	0.18127	202.88	1.5	1-HR	Boundary Perimeter 61	P61
648788	4077362	0.13677	178.21	1.5	1-HR	Boundary Perimeter 62	P62
648691	4077361	0.14178	176.25	1.5	1-HR	Boundary Perimeter 63	P63
648591	4077357	0.13665	176	1.5	1-HR	Boundary Perimeter 64	P64
648526	4077371	0.12476	175.24	1.5	1-HR	Boundary Perimeter 65	P65
648587	4077430	0.15235	175.13	1.5	1-HR	Boundary Perimeter 66	P66
649184	4077534	0.19594	230.71	1.5	1-HR	Boundary Perimeter 7	P7
649284	4077535	0.30092	248.08	1.5	1-HR	Boundary Perimeter 8	P8
649384	4077536	0.64976	258.43	1.5	1-HR	Boundary Perimeter 9	Р9
645930	4077983	0.03304	127.38	1.5	1-HR	New Development	RP G1
645930	4078083	0.03334	127.58	1.5	1-HR	New Development	RP G10
646030	4078083	0.03744	130.56	1.5	1-HR	New Development	RP_G11
646130	4078083	0.04251	134.35	1.5	1-HR	New Development	RP_G12
646230	4078083	0.04771	139.22	1.5	1-HR	New Development	RP_G13
646330	4078083	0.05283	144.65	1.5	1-HR	New Development	RP_G14
646430	4078083	0.05653	142.28	1.5	1-HR	New Development	RP_G15
646530	4078083	0.05972	146.76	1.5	1-HR	New Development	RP_G16
646630	4078083	0.06166	150.64	1.5	1-HR	New Development	RP_G17
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09/30/21

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14:01:30

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.06213	155.4	1.5	1-HR	New Development	RP_G18
645930	4078183	0.04211	127.22	1.5	1-HR	New Development	RP_G19
646030	4077983	0.03413	131.21	1.5	1-HR	New Development	RP_G2
646030	4078183	0.04702	130.56	1.5	1-HR	New Development	RP_G20
646130	4078183	0.05178	133.89	1.5	1-HR	New Development	RP_G21
646230	4078183	0.05644	140.45	1.5	1-HR	New Development	RP_G22
646330	4078183	0.06055	146.94	1.5	1-HR	New Development	RP_G23
646430	4078183	0.06227	140.23	1.5	1-HR	New Development	RP_G24
646530	4078183	0.06365	147.25	1.5	1-HR	New Development	RP_G25
646630	4078183	0.0631	151.56	1.5	1-HR	New Development	RP_G26
646730	4078183	0.06102	157.78	1.5	1-HR	New Development	RP_G27
645930	4078283	0.05096	126.06	1.5	1-HR	New Development	RP_G28
646030	4078283	0.05527	129.56	1.5	1-HR	New Development	RP_G29
646130	4077983	0.03466	135.89	1.5	1-HR	New Development	RP_G3
646130	4078283	0.059	132.89	1.5	1-HR	New Development	RP_G30
646230	4078283	0.0622	139.24	1.5	1-HR	New Development	RP_G31
646330	4078283	0.06405	142.68	1.5	1-HR	New Development	RP_G32
646430	4078283	0.06389	140.02	1.5	1-HR	New Development	RP_G33
646530	4078283	0.06311	147.22	1.5	1-HR	New Development	RP_G34
646630	4078283	0.05997	151.56	1.5	1-HR	New Development	RP_G35
646730	4078283	0.05528	156.78	1.5	1-HR	New Development	RP_G36
646230	4077983	0.03762	139.18	1.5	1-HR	New Development	RP_G4
646330	4077983	0.04275	140.76	1.5	1-HR	New Development	RP_G5
646430	4077983	0.04747	143.89	1.5	1-HR	New Development	RP_G6
646530	4077983	0.05177	145.22	1.5	1-HR	New Development	RP_G7
646630	4077983	0.05545	147.21	1.5	1-HR	New Development	RP_G8
646730	4077983	0.05797	148.3	1.5	1-HR	New Development	RP_G9
648659	4077241	0.17263	205.79	1.5	1-HR	House 1	RP_H1
648071	4076116	0.19676	169.6	1.5	1-HR	House 10	RP_H10
648247	4076278	0.17141	184.55	1.5	1-HR	House 11	RP_H11
648027	4076255	0.15117	169.38	1.5	1-HR	House 12	RP_H12
648066	4076359	0.10424	173.83	1.5	1-HR	House 13	RP_H13

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.09044	178.22	1.5	1-HR	House 14	RP_H14
648255	4076411	0.09843	191.28	1.5	1-HR	House 15	RP_H15
647878	4076365	0.08254	165.39	1.5	1-HR	House 16	RP_H16
647520	4076206	0.11069	159	1.5	1-HR	House 17	RP_H17
647921	4076247	0.14033	164	1.5	1-HR	House 18	RP_H18
647709	4076352	0.0746	163.52	1.5	1-HR	House 19	RP_H19
648372	4075470	0.09963	173.69	1.5	1-HR	House 2	RP_H2
647704	4076251	0.11362	162.17	1.5	1-HR	House 20	RP_H20
647719	4076104	0.16734	159.35	1.5	1-HR	House 21	RP_H21
647843	4076125	0.17609	163	1.5	1-HR	House 22	RP_H22
647842	4076500	0.05432	167.93	1.5	1-HR	House 23	RP_H23
647728	4076644	0.0518	164.15	1.5	1-HR	House 24	RP_H24
647824	4076644	0.05297	168.29	1.5	1-HR	House 25	RP_H25
647530	4076497	0.05052	159.56	1.5	1-HR	House 26	RP_H26
647810	4076854	0.05754	162.9	1.5	1-HR	House 27	RP_H27
647697	4076989	0.05516	161.42	1.5	1-HR	House 28	RP_H28
648226	4076182	0.20092	183.22	1.5	1-HR	House 29	RP_H29
647678	4075969	0.18674	159.5	1.5	1-HR	House 3	RP_H3
645876	4077487	0.04371	127.13	1.5	1-HR	House 30	RP_H30
650902	4076062	0.09087	215.24	1.5	1-HR	House 31	RP_H31
651490	4076597	0.06384	205.5	1.5	1-HR	House 32	RP_H32
651565	4077067	0.05913	213.93	1.5	1-HR	House 33	RP_H33
648673	4075307	0.11228	225.91	1.5	1-HR	House 34	RP_H34
648384	4075469	0.09797	174.44	1.5	1-HR	House 35	RP_H35
646379	4077233	0.05187	146	1.5	1-HR	House 36	RP_H36
651850	4075865	0.06879	201.97	1.5	1-HR	House 37	RP_H37
652045	4076210	0.06004	196.88	1.5	1-HR	House 38	RP_H38
652256	4076391	0.06952	197.06	1.5	1-HR	House 39	RP_H39
647815	4075985	0.19215	162.04	1.5	1-HR	House 4	RP_H4
646854	4077373	0.04323	145.99	1.5	1-HR	House 40	RP_H40
647050	4077360	0.04368	145	1.5	1-HR	House 41	RP_H41
647286	4077474	0.0531	149.68	1.5	1-HR	House 42	RP_H42

09/30/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.05403	154.45	1.5	1-HR	House 43	RP_H43
647490	4077329	0.05799	162.28	1.5	1-HR	House 44	RP_H44
647522	4077252	0.06126	164.3	1.5	1-HR	House 45	RP_H45
647518	4077139	0.05365	164.01	1.5	1-HR	House 46	RP_H46
646819	4077258	0.05016	151.53	1.5	1-HR	House 47	RP_H47
646779	4077128	0.05572	158.51	1.5	1-HR	House 48	RP_H48
646987	4077213	0.05055	146.44	1.5	1-HR	House 49	RP_H49
647898	4076033	0.19443	163.83	1.5	1-HR	House 5	RP_H5
647242	4077227	0.04951	154.85	1.5	1-HR	House 50	RP_H50
646773	4077063	0.05601	159	1.5	1-HR	House 51	RP_H51
647104	4077118	0.05451	148.99	1.5	1-HR	House 52	RP_H52
647292	4077123	0.05334	158.62	1.5	1-HR	House 53	RP_H53
646765	4076978	0.05409	158.67	1.5	1-HR	House 54	RP_H54
646996	4076984	0.05598	152.34	1.5	1-HR	House 55	RP_H55
647317	4077031	0.0576	160.22	1.5	1-HR	House 56	RP_H56
647398	4077013	0.05781	161.26	1.5	1-HR	House 57	RP_H57
646979	4076904	0.05336	156.81	1.5	1-HR	House 58	RP_H58
647015	4076807	0.04756	156.21	1.5	1-HR	House 59	RP_H59
648045	4076018	0.19261	168.26	1.5	1-HR	House 6	RP_H6
647164	4076802	0.04911	154.38	1.5	1-HR	House 60	RP_H60
647311	4076940	0.05849	162.49	1.5	1-HR	House 61	RP_H61
647298	4076805	0.05148	158	1.5	1-HR	House 62	RP_H62
647447	4076900	0.058	159.45	1.5	1-HR	House 63	RP_H63
647464	4076781	0.05173	159.32	1.5	1-HR	House 64	RP_H64
647512	4076536	0.05077	159	1.5	1-HR	House 65	RP_H65
651131	4078767	0.09414	179.58	1.5	1-HR	House 66	RP_H66
647131	4077336	0.04509	146.77	1.5	1-HR	House 67	RP_H67
646798	4076740	0.04037	156.07	1.5	1-HR	House 68	RP_H68
646900	4076802	0.04573	159	1.5	1-HR	House 69	RP_H69
648126	4075955	0.16609	171.51	1.5	1-HR	House 7	RP_H7
647317	4076662	0.04723	159.9	1.5	1-HR	House 70	RP_H70
648249	4075970	0.15083	183.42	1.5	1-HR	House 8	RP_H8

09/30/21

* AERMET (19191): Flare (1.5m) SO2 1-hr 2019

14:01:30

- $*\,\mathsf{MODELING}\,\mathsf{OPTIONS}\,\mathsf{USED}\colon\;\mathsf{RegDFAULT}\,\;\mathsf{CONC}\,\;\mathsf{ELEV}\,\;\mathsf{FLGPOL}\,\;\mathsf{NODRYDPLT}\,\;\mathsf{NOWETDPLT}\,\;\mathsf{RURAL}\,\;\mathsf{ADJ}_{_}\mathsf{U}^*$
- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
648219	4076109	0.20174	182.28	1.5	1-HR	House 9	RP_H9	MEIR

09/30/21

* AERMET (19191): Future Flare SO2 (1.5m) 1-yr 2019

14:01:30

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.00095	123.85	1.5	ANNUAL	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.00017	105.68	1.5	ANNUAL	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	0.00029	85.12	1.5	ANNUAL	Dunne Park	CR_PK_1	
642179	4079950	0.00041	117.99	1.5	ANNUAL	Vista Park Hill Park	CR_PK_2	
644733	4078753	0.00052	106.44	1.5	ANNUAL	Las Brisas Park	CR_PK_3	
645609	4078854	0.00084	112.86	1.5	ANNUAL	Frank Klauer Memorial Park	CR_PK_4	
644238	4078807	0.00043	95.25	1.5	ANNUAL	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.00011	134.61	1.5	ANNUAL	Park 6	CR_PK_6	
649582	4073424	0.00055	159.96	1.5	ANNUAL	Park 7	CR_PK_7	
645145	4077181	0.00015	133	1.5	ANNUAL	Cerra Vista Elem School	CR_SC_1	
642905	4079955	0.0005	86	1.5	ANNUAL	San Andreas Continuation	CR_SC_10	
645851	4074015	0.00009	123	1.5	ANNUAL	SouthSide School	CR_SC_11	
642106	4078176	0.00016	91	1.5	ANNUAL	School 12	CR_SC_12	
646059	4078443	0.00081	128.52	1.5	ANNUAL	Rancho Santana School	CR_SC_13	-
647269	4075575	0.00015	158	1.5	ANNUAL	Future School	CR_SC_14	School 2
648466	4074106	0.0002	159	1.5	ANNUAL	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.0003	98.2	1.5	ANNUAL	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.00013	101.23	1.5	ANNUAL	Hollister Montessori School	CR_SC_3	
642961	4078621	0.00025	92	1.5	ANNUAL	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.00064	88	1.5	ANNUAL	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.00024	85	1.5	ANNUAL	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.00012	98.22	1.5	ANNUAL	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.00074	87	1.5	ANNUAL	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.00019	90.17	1.5	ANNUAL	San Benito High School	CR_SC_9	
642083	4079794	0.00036	87.58	1.5	ANNUAL	Jovenes De Antano	CR_SR_1	
646402	4076879	0.00015	146.33	1.5	ANNUAL	Workplace	CR_WP_1	
648949	4077938	0.00108	189.45	1.5	ANNUAL	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.00174	155.2	1.5	ANNUAL	Grid Receptor 1	G1	
647744	4075573	0.00016	160	1.5	ANNUAL	Grid Receptor 10	G10	
651344	4075573	0.00426	252.9	1.5	ANNUAL	Grid Receptor 100	G100	
648144	4079173	0.00129	165.9	1.5	ANNUAL	Grid Receptor 11	G11	
648144	4078773	0.00181	159.6	1.5	ANNUAL	Grid Receptor 12	G12	

* AERMET (19191): Future Flare SO2 (1.5m) 1-yr 2019

14:01:30

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.00243	146.2	1.5	ANNUAL	Grid Receptor 13	G13
648144	4077973	0.00301	158.3	1.5	ANNUAL	Grid Receptor 14	G14
648144	4077573	0.00276	166.6	1.5	ANNUAL	Grid Receptor 15	G15
648144	4077173	0.00121	175.4	1.5	ANNUAL	Grid Receptor 16	G16
648144	4076773	0.00035	177.1	1.5	ANNUAL	Grid Receptor 17	G17
648144	4076373	0.00026	178	1.5	ANNUAL	Grid Receptor 18	G18
648144	4075973	0.00023	173	1.5	ANNUAL	Grid Receptor 19	G19
647744	4078773	0.00212	145.4	1.5	ANNUAL	Grid Receptor 2	G2
648144	4075573	0.00017	168.8	1.5	ANNUAL	Grid Receptor 20	G20
648544	4079173	0.00071	173.5	1.5	ANNUAL	Grid Receptor 21	G21
648544	4078773	0.00102	166.2	1.5	ANNUAL	Grid Receptor 22	G22
648544	4078373	0.00161	145.4	1.5	ANNUAL	Grid Receptor 23	G23
648544	4077973	0.00295	173.9	1.5	ANNUAL	Grid Receptor 24	G24
648544	4077573	0.0045	179.6	1.5	ANNUAL	Grid Receptor 25	G25
648544	4077173	0.0039	191	1.5	ANNUAL	Grid Receptor 26	G26
648544	4076773	0.00081	209.2	1.5	ANNUAL	Grid Receptor 27	G27
648544	4076373	0.00059	233.7	1.5	ANNUAL	Grid Receptor 28	G28
648544	4075973	0.0003	199.9	1.5	ANNUAL	Grid Receptor 29	G29
647744	4078373	0.00238	144.4	1.5	ANNUAL	Grid Receptor 3	G3
648544	4075573	0.00022	195.5	1.5	ANNUAL	Grid Receptor 30	G30
648944	4079173	0.00038	190.4	1.5	ANNUAL	Grid Receptor 31	G31
648944	4078773	0.00044	165.4	1.5	ANNUAL	Grid Receptor 32	G32
648944	4078373	0.00059	159.6	1.5	ANNUAL	Grid Receptor 33	G33
648944	4077973	0.00102	183.5	1.5	ANNUAL	Grid Receptor 34	G34
648944	4077573	0.00268	224	1.5	ANNUAL	Grid Receptor 35	G35
648944	4076373	0.00085	205	1.5	ANNUAL	Grid Receptor 38	G38
648944	4075973	0.00049	208.8	1.5	ANNUAL	Grid Receptor 39	G39
647744	4077973	0.00221	134.6	1.5	ANNUAL	Grid Receptor 4	G4
648944	4075573	0.00033	185.6	1.5	ANNUAL	Grid Receptor 40	G40
649344	4079173	0.00025	187.4	1.5	ANNUAL	Grid Receptor 41	G41
649344	4078773	0.00026	160.9	1.5	ANNUAL	Grid Receptor 42	G42
649344	4078373	0.00032	200.5	1.5	ANNUAL	Grid Receptor 43	G43

09/30/21

* AERMET (19191): Future Flare SO2 (1.5m) 1-yr 2019

14:01:30

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- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00046	229	1.5	ANNUAL	Grid Receptor 44	G44
649344	4077573	0.00202	253.3	1.5	ANNUAL	Grid Receptor 45	G45
649344	4076373	0.00913	220.2	1.5	ANNUAL	Grid Receptor 48	G48
649344	4075973	0.00165	227.2	1.5	ANNUAL	Grid Receptor 49	G49
647744	4077573	0.00146	163.8	1.5	ANNUAL	Grid Receptor 5	G5
649344	4075573	0.00071	205.5	1.5	ANNUAL	Grid Receptor 50	G50
649744	4079173	0.00019	176.1	1.5	ANNUAL	Grid Receptor 51	G51
649744	4078773	0.00021	195	1.5	ANNUAL	Grid Receptor 52	G52
649744	4078373	0.00024	196.1	1.5	ANNUAL	Grid Receptor 53	G53
649744	4077973	0.00029	215.3	1.5	ANNUAL	Grid Receptor 54	G54
649744	4077573	0.00036	221.6	1.5	ANNUAL	Grid Receptor 55	G55
649744	4076373	0.01652	211.7	1.5	ANNUAL	Grid Receptor 58	G58
649744	4075973	0.01086	237.7	1.5	ANNUAL	Grid Receptor 59	G59
647744	4077173	0.00057	158.4	1.5	ANNUAL	Grid Receptor 6	G6
649744	4075573	0.0026	204.2	1.5	ANNUAL	Grid Receptor 60	G60
650144	4079173	0.00018	173	1.5	ANNUAL	Grid Receptor 61	G61
650144	4078773	0.00019	171	1.5	ANNUAL	Grid Receptor 62	G62
650144	4078373	0.00021	204.6	1.5	ANNUAL	Grid Receptor 63	G63
650144	4077973	0.00022	216.5	1.5	ANNUAL	Grid Receptor 64	G64
650144	4077573	0.00098	257.7	1.5	ANNUAL	Grid Receptor 65	G65
650144	4076373	0.0057	231.4	1.5	ANNUAL	Grid Receptor 68	G68
650144	4075973	0.0117	249.4	1.5	ANNUAL	Grid Receptor 69	G69
647744	4076773	0.00024	164.7	1.5	ANNUAL	Grid Receptor 7	G7
650144	4075573	0.00484	216.4	1.5	ANNUAL	Grid Receptor 70	G70
650544	4079173	0.00016	177	1.5	ANNUAL	Grid Receptor 71	G71
650544	4078773	0.00016	180.9	1.5	ANNUAL	Grid Receptor 72	G72
650544	4078373	0.00017	196.6	1.5	ANNUAL	Grid Receptor 73	G73
650544	4077973	0.0003	236.9	1.5	ANNUAL	Grid Receptor 74	G74
650544	4077573	0.00115	261.3	1.5	ANNUAL	Grid Receptor 75	G75
650544	4076373	0.00663	260.9	1.5	ANNUAL	Grid Receptor 78	G78
650544	4075973	0.00497	226.7	1.5	ANNUAL	Grid Receptor 79	G79
647744	4076373	0.00019	164	1.5	ANNUAL	Grid Receptor 8	G8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.00956	268.2	1.5	ANNUAL	Grid Receptor 80	G80
650944	4079173	0.00014	181.3	1.5	ANNUAL	Grid Receptor 81	G81
650944	4078773	0.00014	178.4	1.5	ANNUAL	Grid Receptor 82	G82
650944	4078373	0.00017	214.8	1.5	ANNUAL	Grid Receptor 83	G83
650944	4077973	0.00059	249.9	1.5	ANNUAL	Grid Receptor 84	G84
650944	4077573	0.00123	276.5	1.5	ANNUAL	Grid Receptor 85	G85
650944	4077173	0.0007	225.6	1.5	ANNUAL	Grid Receptor 86	G86
650944	4076773	0.00122	219.8	1.5	ANNUAL	Grid Receptor 87	G87
650944	4076373	0.00213	209.2	1.5	ANNUAL	Grid Receptor 88	G88
650944	4075973	0.0032	216.6	1.5	ANNUAL	Grid Receptor 89	G89
647744	4075973	0.00019	160.7	1.5	ANNUAL	Grid Receptor 9	G9
650944	4075573	0.00467	243.2	1.5	ANNUAL	Grid Receptor 90	G90
651344	4079173	0.00013	191	1.5	ANNUAL	Grid Receptor 91	G91
651344	4078773	0.00014	181	1.5	ANNUAL	Grid Receptor 92	G92
651344	4078373	0.00019	214.3	1.5	ANNUAL	Grid Receptor 93	G93
651344	4077973	0.00053	248.4	1.5	ANNUAL	Grid Receptor 94	G94
651344	4077573	0.00044	213.2	1.5	ANNUAL	Grid Receptor 95	G95
651344	4077173	0.00073	213.6	1.5	ANNUAL	Grid Receptor 96	G96
651344	4076773	0.00109	203.5	1.5	ANNUAL	Grid Receptor 97	G97
651344	4076373	0.00165	205.6	1.5	ANNUAL	Grid Receptor 98	G98
651344	4075973	0.00235	205.8	1.5	ANNUAL	Grid Receptor 99	G99
648584	4077523	0.00481	183.61	1.5	ANNUAL	Boundary Perimeter 1	P1
649484	4077537	0.00166	254.01	1.5	ANNUAL	Boundary Perimeter 10	P10
649584	4077539	0.00057	235.3	1.5	ANNUAL	Boundary Perimeter 11	P11
649684	4077540	0.00039	221.29	1.5	ANNUAL	Boundary Perimeter 12	P12
649784	4077541	0.00035	222.37	1.5	ANNUAL	Boundary Perimeter 13	P13
649884	4077542	0.00038	233.6	1.5	ANNUAL	Boundary Perimeter 14	P14
649984	4077543	0.0007	249.54	1.5	ANNUAL	Boundary Perimeter 15	P15
650084	4077546	0.00102	258.89	1.5	ANNUAL	Boundary Perimeter 16	P16
650184	4077548	0.00116	259.56	1.5	ANNUAL	Boundary Perimeter 17	P17
650284	4077550	0.00107	256.77	1.5	ANNUAL	Boundary Perimeter 18	P18
650384	4077552	0.00053	242.37	1.5	ANNUAL	Boundary Perimeter 19	P19

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.00527	197.16	1.5	ANNUAL	Boundary Perimeter 2	P2
650484	4077554	0.00053	242.23	1.5	ANNUAL	Boundary Perimeter 20	P20
650584	4077557	0.00109	259.71	1.5	ANNUAL	Boundary Perimeter 21	P21
650684	4077559	0.00099	257.58	1.5	ANNUAL	Boundary Perimeter 22	P22
650777	4077554	0.00123	267.9	1.5	ANNUAL	Boundary Perimeter 23	P23
650779	4077454	0.00139	275.91	1.5	ANNUAL	Boundary Perimeter 24	P24
650781	4077354	0.00159	265.73	1.5	ANNUAL	Boundary Perimeter 25	P25
650783	4077254	0.00117	251.08	1.5	ANNUAL	Boundary Perimeter 26	P26
650785	4077154	0.00143	252.83	1.5	ANNUAL	Boundary Perimeter 27	P27
650787	4077054	0.00132	246.1	1.5	ANNUAL	Boundary Perimeter 28	P28
650789	4076954	0.00135	241.37	1.5	ANNUAL	Boundary Perimeter 29	P29
648784	4077527	0.00536	209.74	1.5	ANNUAL	Boundary Perimeter 3	Р3
650791	4076854	0.00188	246.79	1.5	ANNUAL	Boundary Perimeter 30	P30
650794	4076754	0.00141	228.75	1.5	ANNUAL	Boundary Perimeter 31	P31
650754	4076683	0.00144	217.76	1.5	ANNUAL	Boundary Perimeter 32	P32
650660	4076650	0.00159	221.2	1.5	ANNUAL	Boundary Perimeter 33	P33
650561	4076650	0.00165	220.83	1.5	ANNUAL	Boundary Perimeter 34	P34
650463	4076666	0.0017	223.42	1.5	ANNUAL	Boundary Perimeter 35	P35
650364	4076682	0.0017	222.46	1.5	ANNUAL	Boundary Perimeter 36	P36
650264	4076683	0.00179	223.19	1.5	ANNUAL	Boundary Perimeter 37	P37
650165	4076674	0.00191	222.1	1.5	ANNUAL	Boundary Perimeter 38	P38
650066	4076660	0.00207	217.03	1.5	ANNUAL	Boundary Perimeter 39	P39
648884	4077529	0.00403	214.25	1.5	ANNUAL	Boundary Perimeter 4	P4
649980	4076627	0.00253	214.82	1.5	ANNUAL	Boundary Perimeter 40	P40
649920	4076547	0.004	214.91	1.5	ANNUAL	Boundary Perimeter 41	P41
649852	4076474	0.00695	214.09	1.5	ANNUAL	Boundary Perimeter 42	P42
649771	4076417	0.01249	211.53	1.5	ANNUAL	Boundary Perimeter 43	P43
649680	4076375	0.02117	210.17	1.5	ANNUAL	Boundary Perimeter 44	P44
649581	4076368	0.03047	208.52	1.5	ANNUAL	Boundary Perimeter 45	P45
649482	4076384	0.03516	207.5	1.5	ANNUAL	Boundary Perimeter 46	P46
649392	4076425	0.02305	205.17	1.5	ANNUAL	Boundary Perimeter 47	P47
649304	4076472	0.00237	202.16	1.5	ANNUAL	Boundary Perimeter 48	P48

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.00082	196.38	1.5	ANNUAL	Boundary Perimeter 49	P49
648984	4077530	0.00242	221.41	1.5	ANNUAL	Boundary Perimeter 5	P5
649156	4076605	0.00283	195.87	1.5	ANNUAL	Boundary Perimeter 50	P50
649068	4076653	0.00352	196.32	1.5	ANNUAL	Boundary Perimeter 51	P51
648987	4076711	0.00361	192.42	1.5	ANNUAL	Boundary Perimeter 52	P52
648937	4076759	0.00392	192.46	1.5	ANNUAL	Boundary Perimeter 53	P53
648869	4076833	0.00431	191.63	1.5	ANNUAL	Boundary Perimeter 54	P54
648797	4076902	0.00419	186.32	1.5	ANNUAL	Boundary Perimeter 55	P55
648711	4076952	0.00338	179.81	1.5	ANNUAL	Boundary Perimeter 56	P56
648621	4076996	0.00274	176.23	1.5	ANNUAL	Boundary Perimeter 57	P57
648607	4077051	0.00324	175.02	1.5	ANNUAL	Boundary Perimeter 58	P58
648680	4077119	0.00507	180.62	1.5	ANNUAL	Boundary Perimeter 59	P59
649084	4077532	0.00135	216.54	1.5	ANNUAL	Boundary Perimeter 6	P6
648759	4077180	0.00661	183.47	1.5	ANNUAL	Boundary Perimeter 60	P60
648791	4077262	0.00758	202.88	1.5	ANNUAL	Boundary Perimeter 61	P61
648788	4077362	0.0058	178.21	1.5	ANNUAL	Boundary Perimeter 62	P62
648691	4077361	0.00558	176.25	1.5	ANNUAL	Boundary Perimeter 63	P63
648591	4077357	0.00494	176	1.5	ANNUAL	Boundary Perimeter 64	P64
648526	4077371	0.00446	175.24	1.5	ANNUAL	Boundary Perimeter 65	P65
648587	4077430	0.00487	175.13	1.5	ANNUAL	Boundary Perimeter 66	P66
649184	4077534	0.00094	230.71	1.5	ANNUAL	Boundary Perimeter 7	P7
649284	4077535	0.00173	248.08	1.5	ANNUAL	Boundary Perimeter 8	P8
649384	4077536	0.00238	258.43	1.5	ANNUAL	Boundary Perimeter 9	P9
645930	4077983	0.00047	127.38	1.5	ANNUAL	New Development	RP_G1
645930	4078083	0.00053	127.58	1.5	ANNUAL	New Development	RP_G10
646030	4078083	0.00056	130.56	1.5	ANNUAL	New Development	RP_G11
646130	4078083	0.0006	134.35	1.5	ANNUAL	New Development	RP_G12
646230	4078083	0.00065	139.22	1.5	ANNUAL	New Development	RP_G13
646330	4078083	0.0007	144.65	1.5	ANNUAL	New Development	RP_G14
646430	4078083	0.00075	142.28	1.5	ANNUAL	New Development	RP_G15
646530	4078083	0.0008	146.76	1.5	ANNUAL	New Development	RP_G16
646630	4078083	0.00087	150.64	1.5	ANNUAL	New Development	RP_G17

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.00095	155.4	1.5	ANNUAL	New Development	RP_G18
645930	4078183	0.00059	127.22	1.5	ANNUAL	New Development	RP_G19
646030	4077983	0.0005	131.21	1.5	ANNUAL	New Development	RP_G2
646030	4078183	0.00063	130.56	1.5	ANNUAL	New Development	RP_G20
646130	4078183	0.00067	133.89	1.5	ANNUAL	New Development	RP_G21
646230	4078183	0.00072	140.45	1.5	ANNUAL	New Development	RP_G22
646330	4078183	0.00077	146.94	1.5	ANNUAL	New Development	RP_G23
646430	4078183	0.00083	140.23	1.5	ANNUAL	New Development	RP_G24
646530	4078183	0.00089	147.25	1.5	ANNUAL	New Development	RP_G25
646630	4078183	0.00097	151.56	1.5	ANNUAL	New Development	RP_G26
646730	4078183	0.00106	157.78	1.5	ANNUAL	New Development	RP_G27
645930	4078283	0.00065	126.06	1.5	ANNUAL	New Development	RP_G28
646030	4078283	0.00069	129.56	1.5	ANNUAL	New Development	RP_G29
646130	4077983	0.00054	135.89	1.5	ANNUAL	New Development	RP_G3
646130	4078283	0.00074	132.89	1.5	ANNUAL	New Development	RP_G30
646230	4078283	0.00079	139.24	1.5	ANNUAL	New Development	RP_G31
646330	4078283	0.00085	142.68	1.5	ANNUAL	New Development	RP_G32
646430	4078283	0.00091	140.02	1.5	ANNUAL	New Development	RP_G33
646530	4078283	0.00099	147.22	1.5	ANNUAL	New Development	RP_G34
646630	4078283	0.00107	151.56	1.5	ANNUAL	New Development	RP_G35
646730	4078283	0.00117	156.78	1.5	ANNUAL	New Development	RP_G36
646230	4077983	0.00057	139.18	1.5	ANNUAL	New Development	RP_G4
646330	4077983	0.00062	140.76	1.5	ANNUAL	New Development	RP_G5
646430	4077983	0.00066	143.89	1.5	ANNUAL	New Development	RP_G6
646530	4077983	0.00072	145.22	1.5	ANNUAL	New Development	RP_G7
646630	4077983	0.00077	147.21	1.5	ANNUAL	New Development	RP_G8
646730	4077983	0.00084	148.3	1.5	ANNUAL	New Development	RP_G9
648659	4077241	0.00638	205.79	1.5	ANNUAL	House 1	RP_H1
648071	4076116	0.00024	169.6	1.5	ANNUAL	House 10	RP_H10
648247	4076278	0.00029	184.55	1.5	ANNUAL	House 11	RP_H11
648027	4076255	0.00023	169.38	1.5	ANNUAL	House 12	RP_H12
648066	4076359	0.00024	173.83	1.5	ANNUAL	House 13	RP_H13

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.00026	178.22	1.5	ANNUAL	House 14	RP_H14
648255	4076411	0.0003	191.28	1.5	ANNUAL	House 15	RP_H15
647878	4076365	0.00021	165.39	1.5	ANNUAL	House 16	RP_H16
647520	4076206	0.00017	159	1.5	ANNUAL	House 17	RP_H17
647921	4076247	0.00022	164	1.5	ANNUAL	House 18	RP_H18
647709	4076352	0.00019	163.52	1.5	ANNUAL	House 19	RP_H19
648372	4075470	0.00018	173.69	1.5	ANNUAL	House 2	RP_H2
647704	4076251	0.00019	162.17	1.5	ANNUAL	House 20	RP_H20
647719	4076104	0.00019	159.35	1.5	ANNUAL	House 21	RP_H21
647843	4076125	0.00021	163	1.5	ANNUAL	House 22	RP_H22
647842	4076500	0.00021	167.93	1.5	ANNUAL	House 23	RP_H23
647728	4076644	0.00021	164.15	1.5	ANNUAL	House 24	RP_H24
647824	4076644	0.00022	168.29	1.5	ANNUAL	House 25	RP_H25
647530	4076497	0.00017	159.56	1.5	ANNUAL	House 26	RP_H26
647810	4076854	0.00029	162.9	1.5	ANNUAL	House 27	RP_H27
647697	4076989	0.00034	161.42	1.5	ANNUAL	House 28	RP_H28
648226	4076182	0.00027	183.22	1.5	ANNUAL	House 29	RP_H29
647678	4075969	0.00019	159.5	1.5	ANNUAL	House 3	RP_H3
645876	4077487	0.00025	127.13	1.5	ANNUAL	House 30	RP_H30
650902	4076062	0.00309	215.24	1.5	ANNUAL	House 31	RP_H31
651490	4076597	0.00126	205.5	1.5	ANNUAL	House 32	RP_H32
651565	4077067	0.00085	213.93	1.5	ANNUAL	House 33	RP_H33
648673	4075307	0.0003	225.91	1.5	ANNUAL	House 34	RP_H34
648384	4075469	0.00018	174.44	1.5	ANNUAL	House 35	RP_H35
646379	4077233	0.00023	146	1.5	ANNUAL	House 36	RP_H36
651850	4075865	0.00188	201.97	1.5	ANNUAL	House 37	RP_H37
652045	4076210	0.00138	196.88	1.5	ANNUAL	House 38	RP_H38
652256	4076391	0.00115	197.06	1.5	ANNUAL	House 39	RP_H39
647815	4075985	0.0002	162.04	1.5	ANNUAL	House 4	RP_H4
646854	4077373	0.00036	145.99	1.5	ANNUAL	House 40	RP_H40
647050	4077360	0.00041	145	1.5	ANNUAL	House 41	RP_H41
647286	4077474	0.00065	149.68	1.5	ANNUAL	House 42	RP_H42

* AERMET (19191): Future Flare SO2 (1.5m) 1-yr 2019

14:01:30

- PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.00053	154.45	1.5	ANNUAL	House 43	RP_H43
647490	4077329	0.00061	162.28	1.5	ANNUAL	House 44	RP_H44
647522	4077252	0.00053	164.3	1.5	ANNUAL	House 45	RP_H45
647518	4077139	0.0004	164.01	1.5	ANNUAL	House 46	RP_H46
646819	4077258	0.00029	151.53	1.5	ANNUAL	House 47	RP_H47
646779	4077128	0.00024	158.51	1.5	ANNUAL	House 48	RP_H48
646987	4077213	0.0003	146.44	1.5	ANNUAL	House 49	RP_H49
647898	4076033	0.00021	163.83	1.5	ANNUAL	House 5	RP_H5
647242	4077227	0.00037	154.85	1.5	ANNUAL	House 50	RP_H50
646773	4077063	0.00022	159	1.5	ANNUAL	House 51	RP_H51
647104	4077118	0.00028	148.99	1.5	ANNUAL	House 52	RP_H52
647292	4077123	0.00032	158.62	1.5	ANNUAL	House 53	RP_H53
646765	4076978	0.00019	158.67	1.5	ANNUAL	House 54	RP_H54
646996	4076984	0.00021	152.34	1.5	ANNUAL	House 55	RP_H55
647317	4077031	0.00027	160.22	1.5	ANNUAL	House 56	RP_H56
647398	4077013	0.00028	161.26	1.5	ANNUAL	House 57	RP_H57
646979	4076904	0.00019	156.81	1.5	ANNUAL	House 58	RP_H58
647015	4076807	0.00017	156.21	1.5	ANNUAL	House 59	RP_H59
648045	4076018	0.00023	168.26	1.5	ANNUAL	House 6	RP_H6
647164	4076802	0.00018	154.38	1.5	ANNUAL	House 60	RP_H60
647311	4076940	0.00024	162.49	1.5	ANNUAL	House 61	RP_H61
647298	4076805	0.00019	158	1.5	ANNUAL	House 62	RP_H62
647447	4076900	0.00024	159.45	1.5	ANNUAL	House 63	RP_H63
647464	4076781	0.0002	159.32	1.5	ANNUAL	House 64	RP_H64
647512	4076536	0.00017	159	1.5	ANNUAL	House 65	RP_H65
651131	4078767	0.00014	179.58	1.5	ANNUAL	House 66	RP_H66
647131	4077336	0.00042	146.77	1.5	ANNUAL	House 67	RP_H67
646798	4076740	0.00015	156.07	1.5	ANNUAL	House 68	RP_H68
646900	4076802	0.00017	159	1.5	ANNUAL	House 69	RP_H69
648126	4075955	0.00023	171.51	1.5	ANNUAL	House 7	RP_H7
647317	4076662	0.00017	159.9	1.5	ANNUAL	House 70	RP_H70
648249	4075970	0.00025	183.42	1.5	ANNUAL	House 8	RP_H8

09/30/21

* AERMET (19191): Future Flare SO2 (1.5m) 1-yr 2019

14:01:30

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.00026	182.28	1.5	ANNUAL	House 9	RP_H9

09/30/21

* AERMET (19191): Future Flare (1.5m) SO2 3-hr 2019

14:01:30

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.02832	123.85	1.5	3-HR	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.01237	105.68	1.5	3-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	0.01405	85.12	1.5	3-HR	Dunne Park	CR_PK_1	
642179	4079950	0.02192	117.99	1.5	3-HR	Vista Park Hill Park	CR_PK_2	
644733	4078753	0.02233	106.44	1.5	3-HR	Las Brisas Park	CR_PK_3	
645609	4078854	0.02458	112.86	1.5	3-HR	Frank Klauer Memorial Park	CR_PK_4	
644238	4078807	0.02163	95.25	1.5	3-HR	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.0129	134.61	1.5	3-HR	Park 6	CR_PK_6	
649582	4073424	0.02976	159.96	1.5	3-HR	Park 7	CR_PK_7	
645145	4077181	0.01362	133	1.5	3-HR	Cerra Vista Elem School	CR_SC_1	
642905	4079955	0.02311	86	1.5	3-HR	San Andreas Continuation	CR_SC_10	
645851	4074015	0.01889	123	1.5	3-HR	SouthSide School	CR_SC_11	
642106	4078176	0.01129	91	1.5	3-HR	School 12	CR_SC_12	
646059	4078443	0.028	128.52	1.5	3-HR	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.04895	158	1.5	3-HR	Future School	CR_SC_14	School 2
648466	4074106	0.02284	159	1.5	3-HR	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.01796	98.2	1.5	3-HR	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.01064	101.23	1.5	3-HR	Hollister Montessori School	CR_SC_3	
642961	4078621	0.01381	92	1.5	3-HR	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.02409	88	1.5	3-HR	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.01213	85	1.5	3-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.01063	98.22	1.5	3-HR	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.02073	87	1.5	3-HR	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.0111	90.17	1.5	3-HR	San Benito High School	CR_SC_9	
642083	4079794	0.01921	87.58	1.5	3-HR	Jovenes De Antano	CR_SR_1	
646402	4076879	0.01477	146.33	1.5	3-HR	Workplace	CR_WP_1	
648949	4077938	0.08823	189.45	1.5	3-HR	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.04998	155.2	1.5	3-HR	Grid Receptor 1	G1	
647744	4075573	0.03143	160	1.5	3-HR	Grid Receptor 10	G10	
651344	4075573	0.09588	252.9	1.5	3-HR	Grid Receptor 100	G100	
648144	4079173	0.04555	165.9	1.5	3-HR	Grid Receptor 11	G11	
648144	4078773	0.05128	159.6	1.5	3-HR	Grid Receptor 12	G12	

09/30/21

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14:01:30

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.0489	146.2	1.5	3-HR	Grid Receptor 13	G13
648144	4077973	0.06503	158.3	1.5	3-HR	Grid Receptor 14	G14
648144	4077573	0.07	166.6	1.5	3-HR	Grid Receptor 15	G15
648144	4077173	0.06755	175.4	1.5	3-HR	Grid Receptor 16	G16
648144	4076773	0.02259	177.1	1.5	3-HR	Grid Receptor 17	G17
648144	4076373	0.03528	178	1.5	3-HR	Grid Receptor 18	G18
648144	4075973	0.05681	173	1.5	3-HR	Grid Receptor 19	G19
647744	4078773	0.05174	145.4	1.5	3-HR	Grid Receptor 2	G2
648144	4075573	0.04175	168.8	1.5	3-HR	Grid Receptor 20	G20
648544	4079173	0.06189	173.5	1.5	3-HR	Grid Receptor 21	G21
648544	4078773	0.06573	166.2	1.5	3-HR	Grid Receptor 22	G22
648544	4078373	0.06027	145.4	1.5	3-HR	Grid Receptor 23	G23
648544	4077973	0.07443	173.9	1.5	3-HR	Grid Receptor 24	G24
648544	4077573	0.0854	179.6	1.5	3-HR	Grid Receptor 25	G25
648544	4077173	0.11348	191	1.5	3-HR	Grid Receptor 26	G26
648544	4076773	0.075	209.2	1.5	3-HR	Grid Receptor 27	G27
648544	4076373	0.05779	233.7	1.5	3-HR	Grid Receptor 28	G28
648544	4075973	0.05242	199.9	1.5	3-HR	Grid Receptor 29	G29
647744	4078373	0.05615	144.4	1.5	3-HR	Grid Receptor 3	G3
648544	4075573	0.03277	195.5	1.5	3-HR	Grid Receptor 30	G30
648944	4079173	0.04213	190.4	1.5	3-HR	Grid Receptor 31	G31
648944	4078773	0.04991	165.4	1.5	3-HR	Grid Receptor 32	G32
648944	4078373	0.06298	159.6	1.5	3-HR	Grid Receptor 33	G33
648944	4077973	0.08513	183.5	1.5	3-HR	Grid Receptor 34	G34
648944	4077573	0.15214	224	1.5	3-HR	Grid Receptor 35	G35
648944	4076373	0.06067	205	1.5	3-HR	Grid Receptor 38	G38
648944	4075973	0.04209	208.8	1.5	3-HR	Grid Receptor 39	G39
647744	4077973	0.04771	134.6	1.5	3-HR	Grid Receptor 4	G4
648944	4075573	0.04102	185.6	1.5	3-HR	Grid Receptor 40	G40
649344	4079173	0.03639	187.4	1.5	3-HR	Grid Receptor 41	G41
649344	4078773	0.03202	160.9	1.5	3-HR	Grid Receptor 42	G42
649344	4078373	0.0408	200.5	1.5	3-HR	Grid Receptor 43	G43

09/30/21

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14:01:30

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* PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.04855	229	1.5	3-HR	Grid Receptor 44	G44
649344	4077573	0.1494	253.3	1.5	3-HR	Grid Receptor 45	G45
649344	4076373	0.29722	220.2	1.5	3-HR	Grid Receptor 48	G48
649344	4075973	0.16786	227.2	1.5	3-HR	Grid Receptor 49	G49
647744	4077573	0.05386	163.8	1.5	3-HR	Grid Receptor 5	G5
649344	4075573	0.11345	205.5	1.5	3-HR	Grid Receptor 50	G50
649744	4079173	0.02711	176.1	1.5	3-HR	Grid Receptor 51	G51
649744	4078773	0.02946	195	1.5	3-HR	Grid Receptor 52	G52
649744	4078373	0.02764	196.1	1.5	3-HR	Grid Receptor 53	G53
649744	4077973	0.02678	215.3	1.5	3-HR	Grid Receptor 54	G54
649744	4077573	0.0459	221.6	1.5	3-HR	Grid Receptor 55	G55
649744	4076373	0.20726	211.7	1.5	3-HR	Grid Receptor 58	G58
649744	4075973	0.10918	237.7	1.5	3-HR	Grid Receptor 59	G59
647744	4077173	0.04112	158.4	1.5	3-HR	Grid Receptor 6	G6
649744	4075573	0.08206	204.2	1.5	3-HR	Grid Receptor 60	G60
650144	4079173	0.03052	173	1.5	3-HR	Grid Receptor 61	G61
650144	4078773	0.03068	171	1.5	3-HR	Grid Receptor 62	G62
650144	4078373	0.02494	204.6	1.5	3-HR	Grid Receptor 63	G63
650144	4077973	0.01804	216.5	1.5	3-HR	Grid Receptor 64	G64
650144	4077573	0.14963	257.7	1.5	3-HR	Grid Receptor 65	G65
650144	4076373	0.14317	231.4	1.5	3-HR	Grid Receptor 68	G68
650144	4075973	0.16851	249.4	1.5	3-HR	Grid Receptor 69	G69
647744	4076773	0.02078	164.7	1.5	3-HR	Grid Receptor 7	G7
650144	4075573	0.06469	216.4	1.5	3-HR	Grid Receptor 70	G70
650544	4079173	0.02576	177	1.5	3-HR	Grid Receptor 71	G71
650544	4078773	0.01873	180.9	1.5	3-HR	Grid Receptor 72	G72
650544	4078373	0.02344	196.6	1.5	3-HR	Grid Receptor 73	G73
650544	4077973	0.04055	236.9	1.5	3-HR	Grid Receptor 74	G74
650544	4077573	0.18025	261.3	1.5	3-HR	Grid Receptor 75	G75
650544	4076373	0.19342	260.9	1.5	3-HR	Grid Receptor 78	G78
650544	4075973	0.1	226.7	1.5	3-HR	Grid Receptor 79	G79
647744	4076373	0.02319	164	1.5	3-HR	Grid Receptor 8	G8

09/30/21

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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

650544	4075572			ZFLAG	AVE	Description	ID	
	4075573	0.33829	268.2	1.5	3-HR	Grid Receptor 80	G80	PM
650944	4079173	0.01684	181.3	1.5	3-HR	Grid Receptor 81	G81	
650944	4078773	0.02525	178.4	1.5	3-HR	Grid Receptor 82	G82	
650944	4078373	0.04105	214.8	1.5	3-HR	Grid Receptor 83	G83	
650944	4077973	0.07935	249.9	1.5	3-HR	Grid Receptor 84	G84	
650944	4077573	0.20361	276.5	1.5	3-HR	Grid Receptor 85	G85	1
650944	4077173	0.07107	225.6	1.5	3-HR	Grid Receptor 86	G86	
650944	4076773	0.07136	219.8	1.5	3-HR	Grid Receptor 87	G87	
650944	4076373	0.08111	209.2	1.5	3-HR	Grid Receptor 88	G88	
650944	4075973	0.08425	216.6	1.5	3-HR	Grid Receptor 89	G89	
647744	4075973	0.06335	160.7	1.5	3-HR	Grid Receptor 9	G9	
650944	4075573	0.06544	243.2	1.5	3-HR	Grid Receptor 90	G90	
651344	4079173	0.02723	191	1.5	3-HR	Grid Receptor 91	G91	
651344	4078773	0.03569	181	1.5	3-HR	Grid Receptor 92	G92	
651344	4078373	0.03493	214.3	1.5	3-HR	Grid Receptor 93	G93	
651344	4077973	0.06169	248.4	1.5	3-HR	Grid Receptor 94	G94	
651344	4077573	0.04366	213.2	1.5	3-HR	Grid Receptor 95	G95	
651344	4077173	0.05576	213.6	1.5	3-HR	Grid Receptor 96	G96	
651344	4076773	0.05916	203.5	1.5	3-HR	Grid Receptor 97	G97	
651344	4076373	0.06445	205.6	1.5	3-HR	Grid Receptor 98	G98	
651344	4075973	0.06742	205.8	1.5	3-HR	Grid Receptor 99	G99	
648584	4077523	0.09238	183.61	1.5	3-HR	Boundary Perimeter 1	P1	
649484	4077537	0.16876	254.01	1.5	3-HR	Boundary Perimeter 10	P10	
649584	4077539	0.03707	235.3	1.5	3-HR	Boundary Perimeter 11	P11	
649684	4077540	0.05217	221.29	1.5	3-HR	Boundary Perimeter 12	P12	
649784	4077541	0.0368	222.37	1.5	3-HR	Boundary Perimeter 13	P13	
649884	4077542	0.02458	233.6	1.5	3-HR	Boundary Perimeter 14	P14	
649984	4077543	0.08841	249.54	1.5	3-HR	Boundary Perimeter 15	P15	
650084	4077546	0.18344	258.89	1.5	3-HR	Boundary Perimeter 16	P16	
650184	4077548	0.1758	259.56	1.5	3-HR	Boundary Perimeter 17	P17	
650284	4077550	0.13338	256.77	1.5	3-HR	Boundary Perimeter 18	P18	
650384	4077552	0.04477	242.37	1.5	3-HR	Boundary Perimeter 19	P19	

09/30/21

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* PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.11421	197.16	1.5	3-HR	Boundary Perimeter 2	P2
650484	4077554	0.04124	242.23	1.5	3-HR	Boundary Perimeter 20	P20
650584	4077557	0.16303	259.71	1.5	3-HR	Boundary Perimeter 21	P21
650684	4077559	0.15268	257.58	1.5	3-HR	Boundary Perimeter 22	P22
650777	4077554	0.19302	267.9	1.5	3-HR	Boundary Perimeter 23	P23
650779	4077454	0.18923	275.91	1.5	3-HR	Boundary Perimeter 24	P24
650781	4077354	0.18151	265.73	1.5	3-HR	Boundary Perimeter 25	P25
650783	4077254	0.08011	251.08	1.5	3-HR	Boundary Perimeter 26	P26
650785	4077154	0.09522	252.83	1.5	3-HR	Boundary Perimeter 27	P27
650787	4077054	0.07652	246.1	1.5	3-HR	Boundary Perimeter 28	P28
650789	4076954	0.07239	241.37	1.5	3-HR	Boundary Perimeter 29	P29
648784	4077527	0.14857	209.74	1.5	3-HR	Boundary Perimeter 3	Р3
650791	4076854	0.0797	246.79	1.5	3-HR	Boundary Perimeter 30	P30
650794	4076754	0.07544	228.75	1.5	3-HR	Boundary Perimeter 31	P31
650754	4076683	0.06926	217.76	1.5	3-HR	Boundary Perimeter 32	P32
650660	4076650	0.06949	221.2	1.5	3-HR	Boundary Perimeter 33	P33
650561	4076650	0.07044	220.83	1.5	3-HR	Boundary Perimeter 34	P34
650463	4076666	0.07343	223.42	1.5	3-HR	Boundary Perimeter 35	P35
650364	4076682	0.07588	222.46	1.5	3-HR	Boundary Perimeter 36	P36
650264	4076683	0.0767	223.19	1.5	3-HR	Boundary Perimeter 37	P37
650165	4076674	0.08841	222.1	1.5	3-HR	Boundary Perimeter 38	P38
650066	4076660	0.10094	217.03	1.5	3-HR	Boundary Perimeter 39	P39
648884	4077529	0.14842	214.25	1.5	3-HR	Boundary Perimeter 4	P4
649980	4076627	0.10873	214.82	1.5	3-HR	Boundary Perimeter 40	P40
649920	4076547	0.1551	214.91	1.5	3-HR	Boundary Perimeter 41	P41
649852	4076474	0.14295	214.09	1.5	3-HR	Boundary Perimeter 42	P42
649771	4076417	0.24589	211.53	1.5	3-HR	Boundary Perimeter 43	P43
649680	4076375	0.22563	210.17	1.5	3-HR	Boundary Perimeter 44	P44
649581	4076368	0.24558	208.52	1.5	3-HR	Boundary Perimeter 45	P45
649482	4076384	0.30311	207.5	1.5	3-HR	Boundary Perimeter 46	P46
649392	4076425	0.28361	205.17	1.5	3-HR	Boundary Perimeter 47	P47
649304	4076472	0.10454	202.16	1.5	3-HR	Boundary Perimeter 48	P48

09/30/21

* AERMET (19191): Future Flare (1.5m) SO2 3-hr 2019

14:01:30

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.0564	196.38	1.5	3-HR	Boundary Perimeter 49	P49
648984	4077530	0.15099	221.41	1.5	3-HR	Boundary Perimeter 5	P5
649156	4076605	0.17907	195.87	1.5	3-HR	Boundary Perimeter 50	P50
649068	4076653	0.17195	196.32	1.5	3-HR	Boundary Perimeter 51	P51
648987	4076711	0.17517	192.42	1.5	3-HR	Boundary Perimeter 52	P52
648937	4076759	0.17988	192.46	1.5	3-HR	Boundary Perimeter 53	P53
648869	4076833	0.15247	191.63	1.5	3-HR	Boundary Perimeter 54	P54
648797	4076902	0.12324	186.32	1.5	3-HR	Boundary Perimeter 55	P55
648711	4076952	0.10806	179.81	1.5	3-HR	Boundary Perimeter 56	P56
648621	4076996	0.1001	176.23	1.5	3-HR	Boundary Perimeter 57	P57
648607	4077051	0.10986	175.02	1.5	3-HR	Boundary Perimeter 58	P58
648680	4077119	0.14909	180.62	1.5	3-HR	Boundary Perimeter 59	P59
649084	4077532	0.0959	216.54	1.5	3-HR	Boundary Perimeter 6	P6
648759	4077180	0.13666	183.47	1.5	3-HR	Boundary Perimeter 60	P60
648791	4077262	0.16328	202.88	1.5	3-HR	Boundary Perimeter 61	P61
648788	4077362	0.12546	178.21	1.5	3-HR	Boundary Perimeter 62	P62
648691	4077361	0.11114	176.25	1.5	3-HR	Boundary Perimeter 63	P63
648591	4077357	0.10232	176	1.5	3-HR	Boundary Perimeter 64	P64
648526	4077371	0.10296	175.24	1.5	3-HR	Boundary Perimeter 65	P65
648587	4077430	0.10122	175.13	1.5	3-HR	Boundary Perimeter 66	P66
649184	4077534	0.06685	230.71	1.5	3-HR	Boundary Perimeter 7	P7
649284	4077535	0.11483	248.08	1.5	3-HR	Boundary Perimeter 8	P8
649384	4077536	0.21676	258.43	1.5	3-HR	Boundary Perimeter 9	P9
645930	4077983	0.03088	127.38	1.5	3-HR	New Development	RP_G1
645930	4078083	0.03127	127.58	1.5	3-HR	New Development	RP_G10
646030	4078083	0.03135	130.56	1.5	3-HR	New Development	RP_G11
646130	4078083	0.03087	134.35	1.5	3-HR	New Development	RP_G12
646230	4078083	0.02979	139.22	1.5	3-HR	New Development	RP_G13
646330	4078083	0.02854	144.65	1.5	3-HR	New Development	RP_G14
646430	4078083	0.03057	142.28	1.5	3-HR	New Development	RP_G15
646530	4078083	0.03214	146.76	1.5	3-HR	New Development	RP_G16
646630	4078083	0.03299	150.64	1.5	3-HR	New Development	RP_G17

09/30/21

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14:01:30

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.03296	155.4	1.5	3-HR	New Development	RP_G18
645930	4078183	0.02932	127.22	1.5	3-HR	New Development	RP_G19
646030	4077983	0.03208	131.21	1.5	3-HR	New Development	RP_G2
646030	4078183	0.02834	130.56	1.5	3-HR	New Development	RP_G20
646130	4078183	0.0269	133.89	1.5	3-HR	New Development	RP_G21
646230	4078183	0.02886	140.45	1.5	3-HR	New Development	RP_G22
646330	4078183	0.03044	146.94	1.5	3-HR	New Development	RP_G23
646430	4078183	0.0313	140.23	1.5	3-HR	New Development	RP_G24
646530	4078183	0.03156	147.25	1.5	3-HR	New Development	RP_G25
646630	4078183	0.03093	151.56	1.5	3-HR	New Development	RP_G26
646730	4078183	0.03338	157.78	1.5	3-HR	New Development	RP_G27
645930	4078283	0.02562	126.06	1.5	3-HR	New Development	RP_G28
646030	4078283	0.0272	129.56	1.5	3-HR	New Development	RP_G29
646130	4077983	0.03282	135.89	1.5	3-HR	New Development	RP_G3
646130	4078283	0.02869	132.89	1.5	3-HR	New Development	RP_G30
646230	4078283	0.02973	139.24	1.5	3-HR	New Development	RP_G31
646330	4078283	0.03017	142.68	1.5	3-HR	New Development	RP_G32
646430	4078283	0.02982	140.02	1.5	3-HR	New Development	RP_G33
646530	4078283	0.03114	147.22	1.5	3-HR	New Development	RP_G34
646630	4078283	0.03316	151.56	1.5	3-HR	New Development	RP_G35
646730	4078283	0.03422	156.78	1.5	3-HR	New Development	RP_G36
646230	4077983	0.03299	139.18	1.5	3-HR	New Development	RP_G4
646330	4077983	0.03249	140.76	1.5	3-HR	New Development	RP_G5
646430	4077983	0.03128	143.89	1.5	3-HR	New Development	RP_G6
646530	4077983	0.03022	145.22	1.5	3-HR	New Development	RP_G7
646630	4077983	0.03241	147.21	1.5	3-HR	New Development	RP_G8
646730	4077983	0.03393	148.3	1.5	3-HR	New Development	RP_G9
648659	4077241	0.1613	205.79	1.5	3-HR	House 1	RP_H1
648071	4076116	0.06569	169.6	1.5	3-HR	House 10	RP_H10
648247	4076278	0.05726	184.55	1.5	3-HR	House 11	RP_H11
648027	4076255	0.05049	169.38	1.5	3-HR	House 12	RP_H12
648066	4076359	0.03485	173.83	1.5	3-HR	House 13	RP_H13

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.03026	178.22	1.5	3-HR	House 14	RP_H14
648255	4076411	0.03294	191.28	1.5	3-HR	House 15	RP_H15
647878	4076365	0.02761	165.39	1.5	3-HR	House 16	RP_H16
647520	4076206	0.03698	159	1.5	3-HR	House 17	RP_H17
647921	4076247	0.04687	164	1.5	3-HR	House 18	RP_H18
647709	4076352	0.02495	163.52	1.5	3-HR	House 19	RP_H19
648372	4075470	0.03374	173.69	1.5	3-HR	House 2	RP_H2
647704	4076251	0.03796	162.17	1.5	3-HR	House 20	RP_H20
647719	4076104	0.05586	159.35	1.5	3-HR	House 21	RP_H21
647843	4076125	0.05878	163	1.5	3-HR	House 22	RP_H22
647842	4076500	0.02395	167.93	1.5	3-HR	House 23	RP_H23
647728	4076644	0.02252	164.15	1.5	3-HR	House 24	RP_H24
647824	4076644	0.02333	168.29	1.5	3-HR	House 25	RP_H25
647530	4076497	0.02152	159.56	1.5	3-HR	House 26	RP_H26
647810	4076854	0.0252	162.9	1.5	3-HR	House 27	RP_H27
647697	4076989	0.03622	161.42	1.5	3-HR	House 28	RP_H28
648226	4076182	0.06709	183.22	1.5	3-HR	House 29	RP_H29
647678	4075969	0.06233	159.5	1.5	3-HR	House 3	RP_H3
645876	4077487	0.02234	127.13	1.5	3-HR	House 30	RP_H30
650902	4076062	0.08778	215.24	1.5	3-HR	House 31	RP_H31
651490	4076597	0.0491	205.5	1.5	3-HR	House 32	RP_H32
651565	4077067	0.0546	213.93	1.5	3-HR	House 33	RP_H33
648673	4075307	0.07093	225.91	1.5	3-HR	House 34	RP_H34
648384	4075469	0.03319	174.44	1.5	3-HR	House 35	RP_H35
646379	4077233	0.01924	146	1.5	3-HR	House 36	RP_H36
651850	4075865	0.05062	201.97	1.5	3-HR	House 37	RP_H37
652045	4076210	0.04425	196.88	1.5	3-HR	House 38	RP_H38
652256	4076391	0.03872	197.06	1.5	3-HR	House 39	RP_H39
647815	4075985	0.06413	162.04	1.5	3-HR	House 4	RP_H4
646854	4077373	0.03671	145.99	1.5	3-HR	House 40	RP_H40
647050	4077360	0.03879	145	1.5	3-HR	House 41	RP_H41
647286	4077474	0.04091	149.68	1.5	3-HR	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.03822	154.45	1.5	3-HR	House 43	RP_H43
647490	4077329	0.04101	162.28	1.5	3-HR	House 44	RP_H44
647522	4077252	0.04087	164.3	1.5	3-HR	House 45	RP_H45
647518	4077139	0.04307	164.01	1.5	3-HR	House 46	RP_H46
646819	4077258	0.03151	151.53	1.5	3-HR	House 47	RP_H47
646779	4077128	0.021	158.51	1.5	3-HR	House 48	RP_H48
646987	4077213	0.03321	146.44	1.5	3-HR	House 49	RP_H49
647898	4076033	0.0649	163.83	1.5	3-HR	House 5	RP_H5
647242	4077227	0.04039	154.85	1.5	3-HR	House 50	RP_H50
646773	4077063	0.0202	159	1.5	3-HR	House 51	RP_H51
647104	4077118	0.02925	148.99	1.5	3-HR	House 52	RP_H52
647292	4077123	0.03586	158.62	1.5	3-HR	House 53	RP_H53
646765	4076978	0.0189	158.67	1.5	3-HR	House 54	RP_H54
646996	4076984	0.02104	152.34	1.5	3-HR	House 55	RP_H55
647317	4077031	0.0276	160.22	1.5	3-HR	House 56	RP_H56
647398	4077013	0.02838	161.26	1.5	3-HR	House 57	RP_H57
646979	4076904	0.01894	156.81	1.5	3-HR	House 58	RP_H58
647015	4076807	0.01646	156.21	1.5	3-HR	House 59	RP_H59
648045	4076018	0.0643	168.26	1.5	3-HR	House 6	RP_H6
647164	4076802	0.01697	154.38	1.5	3-HR	House 60	RP_H60
647311	4076940	0.02315	162.49	1.5	3-HR	House 61	RP_H61
647298	4076805	0.01809	158	1.5	3-HR	House 62	RP_H62
647447	4076900	0.02348	159.45	1.5	3-HR	House 63	RP_H63
647464	4076781	0.01844	159.32	1.5	3-HR	House 64	RP_H64
647512	4076536	0.02155	159	1.5	3-HR	House 65	RP_H65
651131	4078767	0.0321	179.58	1.5	3-HR	House 66	RP_H66
647131	4077336	0.03956	146.77	1.5	3-HR	House 67	RP_H67
646798	4076740	0.01661	156.07	1.5	3-HR	House 68	RP_H68
646900	4076802	0.01615	159	1.5	3-HR	House 69	RP_H69
648126	4075955	0.05546	171.51	1.5	3-HR	House 7	RP_H7
647317	4076662	0.01978	159.9	1.5	3-HR	House 70	RP_H70
648249	4075970	0.05039	183.42	1.5	3-HR	House 8	RP_H8

09/30/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.06736	182.28	1.5	3-HR	House 9	RP_H9

09/30/21

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14:01:30

- PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.00806	123.85	1.5	24-HR	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.00238	105.68	1.5	24-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	0.00367	85.12	1.5	24-HR	Dunne Park	CR_PK_1	
642179	4079950	0.00428	117.99	1.5	24-HR	Vista Park Hill Park	CR_PK_2	
644733	4078753	0.00671	106.44	1.5	24-HR	Las Brisas Park	CR_PK_3	
645609	4078854	0.0073	112.86	1.5	24-HR	Frank Klauer Memorial Park	CR_PK_4	
644238	4078807	0.00617	95.25	1.5	24-HR	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.00163	134.61	1.5	24-HR	Park 6	CR_PK_6	
649582	4073424	0.00749	159.96	1.5	24-HR	Park 7	CR_PK_7	
645145	4077181	0.00202	133	1.5	24-HR	Cerra Vista Elem School	CR_SC_1	
642905	4079955	0.00409	86	1.5	24-HR	San Andreas Continuation	CR_SC_10	
645851	4074015	0.00237	123	1.5	24-HR	SouthSide School	CR_SC_11	
642106	4078176	0.0022	91	1.5	24-HR	School 12	CR_SC_12	
646059	4078443	0.00801	128.52	1.5	24-HR	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.00616	158	1.5	24-HR	Future School	CR_SC_14	School 2
648466	4074106	0.00397	159	1.5	24-HR	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.00454	98.2	1.5	24-HR	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.00214	101.23	1.5	24-HR	Hollister Montessori School	CR_SC_3	
642961	4078621	0.00343	92	1.5	24-HR	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.00506	88	1.5	24-HR	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.00299	85	1.5	24-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.00195	98.22	1.5	24-HR	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.00562	87	1.5	24-HR	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.00242	90.17	1.5	24-HR	San Benito High School	CR_SC_9	
642083	4079794	0.00424	87.58	1.5	24-HR	Jovenes De Antano	CR_SR_1	
646402	4076879	0.00224	146.33	1.5	24-HR	Workplace	CR_WP_1	
648949	4077938	0.01771	189.45	1.5	24-HR	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.01482	155.2	1.5	24-HR	Grid Receptor 1	G1	
647744	4075573	0.00397	160	1.5	24-HR	Grid Receptor 10	G10	
651344	4075573	0.02427	252.9	1.5	24-HR	Grid Receptor 100	G100	
648144	4079173	0.01249	165.9	1.5	24-HR	Grid Receptor 11	G11	
648144	4078773	0.01906	159.6	1.5	24-HR	Grid Receptor 12	G12	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.02173	146.2	1.5	24-HR	Grid Receptor 13	G13
648144	4077973	0.02751	158.3	1.5	24-HR	Grid Receptor 14	G14
648144	4077573	0.02137	166.6	1.5	24-HR	Grid Receptor 15	G15
648144	4077173	0.0201	175.4	1.5	24-HR	Grid Receptor 16	G16
648144	4076773	0.00488	177.1	1.5	24-HR	Grid Receptor 17	G17
648144	4076373	0.00486	178	1.5	24-HR	Grid Receptor 18	G18
648144	4075973	0.00719	173	1.5	24-HR	Grid Receptor 19	G19
647744	4078773	0.01631	145.4	1.5	24-HR	Grid Receptor 2	G2
648144	4075573	0.00527	168.8	1.5	24-HR	Grid Receptor 20	G20
648544	4079173	0.00944	173.5	1.5	24-HR	Grid Receptor 21	G21
648544	4078773	0.01364	166.2	1.5	24-HR	Grid Receptor 22	G22
648544	4078373	0.01815	145.4	1.5	24-HR	Grid Receptor 23	G23
648544	4077973	0.03505	173.9	1.5	24-HR	Grid Receptor 24	G24
648544	4077573	0.04606	179.6	1.5	24-HR	Grid Receptor 25	G25
648544	4077173	0.03603	191	1.5	24-HR	Grid Receptor 26	G26
648544	4076773	0.01404	209.2	1.5	24-HR	Grid Receptor 27	G27
648544	4076373	0.00898	233.7	1.5	24-HR	Grid Receptor 28	G28
648544	4075973	0.00666	199.9	1.5	24-HR	Grid Receptor 29	G29
647744	4078373	0.0185	144.4	1.5	24-HR	Grid Receptor 3	G3
648544	4075573	0.00417	195.5	1.5	24-HR	Grid Receptor 30	G30
648944	4079173	0.00641	190.4	1.5	24-HR	Grid Receptor 31	G31
648944	4078773	0.00741	165.4	1.5	24-HR	Grid Receptor 32	G32
648944	4078373	0.0091	159.6	1.5	24-HR	Grid Receptor 33	G33
648944	4077973	0.0163	183.5	1.5	24-HR	Grid Receptor 34	G34
648944	4077573	0.04559	224	1.5	24-HR	Grid Receptor 35	G35
648944	4076373	0.00827	205	1.5	24-HR	Grid Receptor 38	G38
648944	4075973	0.00791	208.8	1.5	24-HR	Grid Receptor 39	G39
647744	4077973	0.01673	134.6	1.5	24-HR	Grid Receptor 4	G4
648944	4075573	0.00864	185.6	1.5	24-HR	Grid Receptor 40	G40
649344	4079173	0.00519	187.4	1.5	24-HR	Grid Receptor 41	G41
649344	4078773	0.00541	160.9	1.5	24-HR	Grid Receptor 42	G42
649344	4078373	0.0069	200.5	1.5	24-HR	Grid Receptor 43	G43

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- * PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00821	229	1.5	24-HR	Grid Receptor 44	G44
649344	4077573	0.03089	253.3	1.5	24-HR	Grid Receptor 45	G45
649344	4076373	0.09905	220.2	1.5	24-HR	Grid Receptor 48	G48
649344	4075973	0.03972	227.2	1.5	24-HR	Grid Receptor 49	G49
647744	4077573	0.01818	163.8	1.5	24-HR	Grid Receptor 5	G5
649344	4075573	0.02225	205.5	1.5	24-HR	Grid Receptor 50	G50
649744	4079173	0.00384	176.1	1.5	24-HR	Grid Receptor 51	G51
649744	4078773	0.00414	195	1.5	24-HR	Grid Receptor 52	G52
649744	4078373	0.00408	196.1	1.5	24-HR	Grid Receptor 53	G53
649744	4077973	0.00438	215.3	1.5	24-HR	Grid Receptor 54	G54
649744	4077573	0.00632	221.6	1.5	24-HR	Grid Receptor 55	G55
649744	4076373	0.08778	211.7	1.5	24-HR	Grid Receptor 58	G58
649744	4075973	0.05371	237.7	1.5	24-HR	Grid Receptor 59	G59
647744	4077173	0.01134	158.4	1.5	24-HR	Grid Receptor 6	G6
649744	4075573	0.02973	204.2	1.5	24-HR	Grid Receptor 60	G60
650144	4079173	0.00385	173	1.5	24-HR	Grid Receptor 61	G61
650144	4078773	0.00387	171	1.5	24-HR	Grid Receptor 62	G62
650144	4078373	0.00317	204.6	1.5	24-HR	Grid Receptor 63	G63
650144	4077973	0.0023	216.5	1.5	24-HR	Grid Receptor 64	G64
650144	4077573	0.02937	257.7	1.5	24-HR	Grid Receptor 65	G65
650144	4076373	0.06202	231.4	1.5	24-HR	Grid Receptor 68	G68
650144	4075973	0.04471	249.4	1.5	24-HR	Grid Receptor 69	G69
647744	4076773	0.00317	164.7	1.5	24-HR	Grid Receptor 7	G7
650144	4075573	0.02486	216.4	1.5	24-HR	Grid Receptor 70	G70
650544	4079173	0.00326	177	1.5	24-HR	Grid Receptor 71	G71
650544	4078773	0.00241	180.9	1.5	24-HR	Grid Receptor 72	G72
650544	4078373	0.00296	196.6	1.5	24-HR	Grid Receptor 73	G73
650544	4077973	0.0051	236.9	1.5	24-HR	Grid Receptor 74	G74
650544	4077573	0.02301	261.3	1.5	24-HR	Grid Receptor 75	G75
650544	4076373	0.0451	260.9	1.5	24-HR	Grid Receptor 78	G78
650544	4075973	0.03284	226.7	1.5	24-HR	Grid Receptor 79	G79
647744	4076373	0.00324	164	1.5	24-HR	Grid Receptor 8	G8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.06565	268.2	1.5	24-HR	Grid Receptor 80	G80
650944	4079173	0.0024	181.3	1.5	24-HR	Grid Receptor 81	G81
650944	4078773	0.00318	178.4	1.5	24-HR	Grid Receptor 82	G82
650944	4078373	0.00515	214.8	1.5	24-HR	Grid Receptor 83	G83
650944	4077973	0.01032	249.9	1.5	24-HR	Grid Receptor 84	G84
650944	4077573	0.02551	276.5	1.5	24-HR	Grid Receptor 85	G85
650944	4077173	0.01298	225.6	1.5	24-HR	Grid Receptor 86	G86
650944	4076773	0.02371	219.8	1.5	24-HR	Grid Receptor 87	G87
650944	4076373	0.03437	209.2	1.5	24-HR	Grid Receptor 88	G88
650944	4075973	0.02676	216.6	1.5	24-HR	Grid Receptor 89	G89
647744	4075973	0.008	160.7	1.5	24-HR	Grid Receptor 9	G9
650944	4075573	0.02226	243.2	1.5	24-HR	Grid Receptor 90	G90
651344	4079173	0.00342	191	1.5	24-HR	Grid Receptor 91	G91
651344	4078773	0.00448	181	1.5	24-HR	Grid Receptor 92	G92
651344	4078373	0.00439	214.3	1.5	24-HR	Grid Receptor 93	G93
651344	4077973	0.00839	248.4	1.5	24-HR	Grid Receptor 94	G94
651344	4077573	0.00808	213.2	1.5	24-HR	Grid Receptor 95	G95
651344	4077173	0.01439	213.6	1.5	24-HR	Grid Receptor 96	G96
651344	4076773	0.01878	203.5	1.5	24-HR	Grid Receptor 97	G97
651344	4076373	0.02671	205.6	1.5	24-HR	Grid Receptor 98	G98
651344	4075973	0.02401	205.8	1.5	24-HR	Grid Receptor 99	G99
648584	4077523	0.05013	183.61	1.5	24-HR	Boundary Perimeter 1	P1
649484	4077537	0.02359	254.01	1.5	24-HR	Boundary Perimeter 10	P10
649584	4077539	0.00908	235.3	1.5	24-HR	Boundary Perimeter 11	P11
649684	4077540	0.0075	221.29	1.5	24-HR	Boundary Perimeter 12	P12
649784	4077541	0.00494	222.37	1.5	24-HR	Boundary Perimeter 13	P13
649884	4077542	0.00341	233.6	1.5	24-HR	Boundary Perimeter 14	P14
649984	4077543	0.01638	249.54	1.5	24-HR	Boundary Perimeter 15	P15
650084	4077546	0.03008	258.89	1.5	24-HR	Boundary Perimeter 16	P16
650184	4077548	0.0292	259.56	1.5	24-HR	Boundary Perimeter 17	P17
650284	4077550	0.01724	256.77	1.5	24-HR	Boundary Perimeter 18	P18
650384	4077552	0.00639	242.37	1.5	24-HR	Boundary Perimeter 19	P19

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
648684	4077525	0.06189	197.16	1.5	24-HR	Boundary Perimeter 2	P2	
650484	4077554	0.00791	242.23	1.5	24-HR	Boundary Perimeter 20	P20]
650584	4077557	0.02109	259.71	1.5	24-HR	Boundary Perimeter 21	P21	1
650684	4077559	0.01986	257.58	1.5	24-HR	Boundary Perimeter 22	P22	1
650777	4077554	0.02446	267.9	1.5	24-HR	Boundary Perimeter 23	P23	
650779	4077454	0.02372	275.91	1.5	24-HR	Boundary Perimeter 24	P24	
650781	4077354	0.02405	265.73	1.5	24-HR	Boundary Perimeter 25	P25	1
650783	4077254	0.01382	251.08	1.5	24-HR	Boundary Perimeter 26	P26	1
650785	4077154	0.01434	252.83	1.5	24-HR	Boundary Perimeter 27	P27	1
650787	4077054	0.01754	246.1	1.5	24-HR	Boundary Perimeter 28	P28	
650789	4076954	0.02188	241.37	1.5	24-HR	Boundary Perimeter 29	P29	
648784	4077527	0.07641	209.74	1.5	24-HR	Boundary Perimeter 3	Р3	
650791	4076854	0.02737	246.79	1.5	24-HR	Boundary Perimeter 30	P30	1
650794	4076754	0.02569	228.75	1.5	24-HR	Boundary Perimeter 31	P31	
650754	4076683	0.02358	217.76	1.5	24-HR	Boundary Perimeter 32	P32	1
650660	4076650	0.02318	221.2	1.5	24-HR	Boundary Perimeter 33	P33	
650561	4076650	0.025	220.83	1.5	24-HR	Boundary Perimeter 34	P34	1
650463	4076666	0.02818	223.42	1.5	24-HR	Boundary Perimeter 35	P35	
650364	4076682	0.03134	222.46	1.5	24-HR	Boundary Perimeter 36	P36	1
650264	4076683	0.03414	223.19	1.5	24-HR	Boundary Perimeter 37	P37	
650165	4076674	0.03651	222.1	1.5	24-HR	Boundary Perimeter 38	P38	1
650066	4076660	0.0386	217.03	1.5	24-HR	Boundary Perimeter 39	P39	
648884	4077529	0.06335	214.25	1.5	24-HR	Boundary Perimeter 4	P4	
649980	4076627	0.04074	214.82	1.5	24-HR	Boundary Perimeter 40	P40	1
649920	4076547	0.04011	214.91	1.5	24-HR	Boundary Perimeter 41	P41	1
649852	4076474	0.07251	214.09	1.5	24-HR	Boundary Perimeter 42	P42	
649771	4076417	0.09594	211.53	1.5	24-HR	Boundary Perimeter 43	P43	
649680	4076375	0.09483	210.17	1.5	24-HR	Boundary Perimeter 44	P44	
649581	4076368	0.09426	208.52	1.5	24-HR	Boundary Perimeter 45	P45	
649482	4076384	0.11472	207.5	1.5	24-HR	Boundary Perimeter 46	P46	P.
649392	4076425	0.09605	205.17	1.5	24-HR	Boundary Perimeter 47	P47	
649304	4076472	0.01371	202.16	1.5	24-HR	Boundary Perimeter 48	P48	1

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.00945	196.38	1.5	24-HR	Boundary Perimeter 49	P49
648984	4077530	0.04395	221.41	1.5	24-HR	Boundary Perimeter 5	P5
649156	4076605	0.02682	195.87	1.5	24-HR	Boundary Perimeter 50	P50
649068	4076653	0.04146	196.32	1.5	24-HR	Boundary Perimeter 51	P51
648987	4076711	0.04403	192.42	1.5	24-HR	Boundary Perimeter 52	P52
648937	4076759	0.04581	192.46	1.5	24-HR	Boundary Perimeter 53	P53
648869	4076833	0.04788	191.63	1.5	24-HR	Boundary Perimeter 54	P54
648797	4076902	0.04649	186.32	1.5	24-HR	Boundary Perimeter 55	P55
648711	4076952	0.04276	179.81	1.5	24-HR	Boundary Perimeter 56	P56
648621	4076996	0.03863	176.23	1.5	24-HR	Boundary Perimeter 57	P57
648607	4077051	0.03949	175.02	1.5	24-HR	Boundary Perimeter 58	P58
648680	4077119	0.04663	180.62	1.5	24-HR	Boundary Perimeter 59	P59
649084	4077532	0.02097	216.54	1.5	24-HR	Boundary Perimeter 6	P6
648759	4077180	0.07464	183.47	1.5	24-HR	Boundary Perimeter 60	P60
648791	4077262	0.08749	202.88	1.5	24-HR	Boundary Perimeter 61	P61
648788	4077362	0.07031	178.21	1.5	24-HR	Boundary Perimeter 62	P62
648691	4077361	0.06075	176.25	1.5	24-HR	Boundary Perimeter 63	P63
648591	4077357	0.05327	176	1.5	24-HR	Boundary Perimeter 64	P64
648526	4077371	0.04587	175.24	1.5	24-HR	Boundary Perimeter 65	P65
648587	4077430	0.0525	175.13	1.5	24-HR	Boundary Perimeter 66	P66
649184	4077534	0.01062	230.71	1.5	24-HR	Boundary Perimeter 7	P7
649284	4077535	0.02156	248.08	1.5	24-HR	Boundary Perimeter 8	P8
649384	4077536	0.0508	258.43	1.5	24-HR	Boundary Perimeter 9	P9
645930	4077983	0.00836	127.38	1.5	24-HR	New Development	RP_G1
645930	4078083	0.00872	127.58	1.5	24-HR	New Development	RP_G10
646030	4078083	0.00891	130.56	1.5	24-HR	New Development	RP_G11
646130	4078083	0.009	134.35	1.5	24-HR	New Development	RP_G12
646230	4078083	0.009	139.22	1.5	24-HR	New Development	RP_G13
646330	4078083	0.00889	144.65	1.5	24-HR	New Development	RP_G14
646430	4078083	0.00867	142.28	1.5	24-HR	New Development	RP_G15
646530	4078083	0.00866	146.76	1.5	24-HR	New Development	RP_G16
646630	4078083	0.0095	150.64	1.5	24-HR	New Development	RP_G17

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
646730	4078083	0.0103	155.4	1.5	24-HR	New Development	RP_G18	
645930	4078183	0.00861	127.22	1.5	24-HR	New Development	RP_G19	1
646030	4077983	0.00875	131.21	1.5	24-HR	New Development	RP_G2	
646030	4078183	0.0086	130.56	1.5	24-HR	New Development	RP_G20	1
646130	4078183	0.0085	133.89	1.5	24-HR	New Development	RP_G21	
646230	4078183	0.00832	140.45	1.5	24-HR	New Development	RP_G22	1
646330	4078183	0.0081	146.94	1.5	24-HR	New Development	RP_G23	
646430	4078183	0.00871	140.23	1.5	24-HR	New Development	RP_G24	
646530	4078183	0.00944	147.25	1.5	24-HR	New Development	RP_G25	
646630	4078183	0.01009	151.56	1.5	24-HR	New Development	RP_G26	
646730	4078183	0.01069	157.78	1.5	24-HR	New Development	RP_G27	
645930	4078283	0.00813	126.06	1.5	24-HR	New Development	RP_G28	
646030	4078283	0.00797	129.56	1.5	24-HR	New Development	RP_G29	
646130	4077983	0.00907	135.89	1.5	24-HR	New Development	RP_G3	
646130	4078283	0.00774	132.89	1.5	24-HR	New Development	RP_G30	
646230	4078283	0.0081	139.24	1.5	24-HR	New Development	RP_G31]
646330	4078283	0.00873	142.68	1.5	24-HR	New Development	RP_G32	
646430	4078283	0.00925	140.02	1.5	24-HR	New Development	RP_G33]
646530	4078283	0.00978	147.22	1.5	24-HR	New Development	RP_G34	
646630	4078283	0.01021	151.56	1.5	24-HR	New Development	RP_G35	
646730	4078283	0.01058	156.78	1.5	24-HR	New Development	RP_G36	
646230	4077983	0.0093	139.18	1.5	24-HR	New Development	RP_G4	
646330	4077983	0.00941	140.76	1.5	24-HR	New Development	RP_G5	
646430	4077983	0.0094	143.89	1.5	24-HR	New Development	RP_G6	
646530	4077983	0.00927	145.22	1.5	24-HR	New Development	RP_G7	
646630	4077983	0.00903	147.21	1.5	24-HR	New Development	RP_G8	
646730	4077983	0.0094	148.3	1.5	24-HR	New Development	RP_G9	
648659	4077241	0.07178	205.79	1.5	24-HR	House 1	RP_H1	N
648071	4076116	0.00835	169.6	1.5	24-HR	House 10	RP_H10	
648247	4076278	0.00746	184.55	1.5	24-HR	House 11	RP_H11	
648027	4076255	0.00655	169.38	1.5	24-HR	House 12	RP_H12	
648066	4076359	0.00475	173.83	1.5	24-HR	House 13	RP_H13	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.00429	178.22	1.5	24-HR	House 14	RP_H14
648255	4076411	0.00472	191.28	1.5	24-HR	House 15	RP_H15
647878	4076365	0.00381	165.39	1.5	24-HR	House 16	RP_H16
647520	4076206	0.00479	159	1.5	24-HR	House 17	RP_H17
647921	4076247	0.00608	164	1.5	24-HR	House 18	RP_H18
647709	4076352	0.00343	163.52	1.5	24-HR	House 19	RP_H19
648372	4075470	0.00427	173.69	1.5	24-HR	House 2	RP_H2
647704	4076251	0.00496	162.17	1.5	24-HR	House 20	RP_H20
647719	4076104	0.00711	159.35	1.5	24-HR	House 21	RP_H21
647843	4076125	0.00748	163	1.5	24-HR	House 22	RP_H22
647842	4076500	0.00305	167.93	1.5	24-HR	House 23	RP_H23
647728	4076644	0.00286	164.15	1.5	24-HR	House 24	RP_H24
647824	4076644	0.00297	168.29	1.5	24-HR	House 25	RP_H25
647530	4076497	0.00273	159.56	1.5	24-HR	House 26	RP_H26
647810	4076854	0.00489	162.9	1.5	24-HR	House 27	RP_H27
647697	4076989	0.00867	161.42	1.5	24-HR	House 28	RP_H28
648226	4076182	0.00857	183.22	1.5	24-HR	House 29	RP_H29
647678	4075969	0.00787	159.5	1.5	24-HR	House 3	RP_H3
645876	4077487	0.00519	127.13	1.5	24-HR	House 30	RP_H30
650902	4076062	0.03114	215.24	1.5	24-HR	House 31	RP_H31
651490	4076597	0.01652	205.5	1.5	24-HR	House 32	RP_H32
651565	4077067	0.01704	213.93	1.5	24-HR	House 33	RP_H33
648673	4075307	0.0116	225.91	1.5	24-HR	House 34	RP_H34
648384	4075469	0.0042	174.44	1.5	24-HR	House 35	RP_H35
646379	4077233	0.00432	146	1.5	24-HR	House 36	RP_H36
651850	4075865	0.01896	201.97	1.5	24-HR	House 37	RP_H37
652045	4076210	0.01872	196.88	1.5	24-HR	House 38	RP_H38
652256	4076391	0.01563	197.06	1.5	24-HR	House 39	RP_H39
647815	4075985	0.0081	162.04	1.5	24-HR	House 4	RP_H4
646854	4077373	0.00895	145.99	1.5	24-HR	House 40	RP_H40
647050	4077360	0.00975	145	1.5	24-HR	House 41	RP_H41
647286	4077474	0.01095	149.68	1.5	24-HR	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.01036	154.45	1.5	24-HR	House 43	RP_H43
647490	4077329	0.01051	162.28	1.5	24-HR	House 44	RP_H44
647522	4077252	0.01102	164.3	1.5	24-HR	House 45	RP_H45
647518	4077139	0.01059	164.01	1.5	24-HR	House 46	RP_H46
646819	4077258	0.00736	151.53	1.5	24-HR	House 47	RP_H47
646779	4077128	0.00472	158.51	1.5	24-HR	House 48	RP_H48
646987	4077213	0.00775	146.44	1.5	24-HR	House 49	RP_H49
647898	4076033	0.00821	163.83	1.5	24-HR	House 5	RP_H5
647242	4077227	0.00979	154.85	1.5	24-HR	House 50	RP_H50
646773	4077063	0.0035	159	1.5	24-HR	House 51	RP_H51
647104	4077118	0.00669	148.99	1.5	24-HR	House 52	RP_H52
647292	4077123	0.0084	158.62	1.5	24-HR	House 53	RP_H53
646765	4076978	0.00289	158.67	1.5	24-HR	House 54	RP_H54
646996	4076984	0.0031	152.34	1.5	24-HR	House 55	RP_H55
647317	4077031	0.00628	160.22	1.5	24-HR	House 56	RP_H56
647398	4077013	0.00649	161.26	1.5	24-HR	House 57	RP_H57
646979	4076904	0.00287	156.81	1.5	24-HR	House 58	RP_H58
647015	4076807	0.00257	156.21	1.5	24-HR	House 59	RP_H59
648045	4076018	0.00813	168.26	1.5	24-HR	House 6	RP_H6
647164	4076802	0.00269	154.38	1.5	24-HR	House 60	RP_H60
647311	4076940	0.00384	162.49	1.5	24-HR	House 61	RP_H61
647298	4076805	0.00284	158	1.5	24-HR	House 62	RP_H62
647447	4076900	0.00363	159.45	1.5	24-HR	House 63	RP_H63
647464	4076781	0.00291	159.32	1.5	24-HR	House 64	RP_H64
647512	4076536	0.00273	159	1.5	24-HR	House 65	RP_H65
651131	4078767	0.00403	179.58	1.5	24-HR	House 66	RP_H66
647131	4077336	0.00997	146.77	1.5	24-HR	House 67	RP_H67
646798	4076740	0.00213	156.07	1.5	24-HR	House 68	RP_H68
646900	4076802	0.00246	159	1.5	24-HR	House 69	RP_H69
648126	4075955	0.00702	171.51	1.5	24-HR	House 7	RP_H7
647317	4076662	0.00251	159.9	1.5	24-HR	House 70	RP_H70
648249	4075970	0.00639	183.42	1.5	24-HR	House 8	RP_H8

09/30/21

* AERMET (19191): Future Flare (1.5m) SO2 24-hr 2019

14:01:30

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.00855	182.28	1.5	24-HR	House 9	RP_H9

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 1-hr 2020

14:01:41

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
40	78698	0.06541	123.85	1.5	1-HR	AQ Monitoring Station	AQ_ST_1	1
40	77719	0.05948	105.68	1.5	1-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	1
40	79416	0.0335	85.12	1.5	1-HR	Dunne Park	CR_PK_1	1
40	79950	0.06257	117.99	1.5	1-HR	Vista Park Hill Park	CR_PK_2	1
40	78753	0.08263	106.44	1.5	1-HR	Las Brisas Park	CR_PK_3	1
40	78854	0.06225	112.86	1.5	1-HR	Frank Klauer Memorial Park	CR_PK_4	1
40	78807	0.06779	95.25	1.5	1-HR	Veterans Memorial Park	CR_PK_5	1
40	76559	0.04503	134.61	1.5	1-HR	Park 6	CR_PK_6	1
40	73424	0.07365	159.96	1.5	1-HR	Park 7	CR_PK_7	1
40	77181	0.06415	133	1.5	1-HR	Cerra Vista Elem School	CR_SC_1]
40	79955	0.06458	86	1.5	1-HR	San Andreas Continuation	CR_SC_10	1
40	74015	0.06302	123	1.5	1-HR	SouthSide School	CR_SC_11]
40	78176	0.04731	91	1.5	1-HR	School 12	CR_SC_12	1
40	78443	0.08654	128.52	1.5	1-HR	Rancho Santana School	CR_SC_13	School 1
40	75575	0.04748	158	1.5	1-HR	Future School	CR_SC_14	School 2
40	74106	0.04476	159	1.5	1-HR	Tres Pinos Union Elementary School	CR_SC_15]
40	78389	0.03843	98.2	1.5	1-HR	Sunnyslope Elem School	CR_SC_2	1
40	77304	0.04653	101.23	1.5	1-HR	Hollister Montessori School	CR_SC_3]
40	78621	0.03787	92	1.5	1-HR	Rancho San Justo Middle School	CR_SC_4	1
40	79743	0.05356	88	1.5	1-HR	Marguerite Maze Middle School	CR_SC_5]
40	79153	0.03385	85	1.5	1-HR	Hollister Prep Schoo	CR_SC_6	
40	77181	0.03327	98.22	1.5	1-HR	Ladd Lane Elementary School	CR_SC_7]
40	80079	0.04742	87	1.5	1-HR	Gabilan Hills Elementary School	CR_SC_8	1
40	78413	0.04583	90.17	1.5	1-HR	San Benito High School	CR_SC_9]
40	79794	0.05255	87.58	1.5	1-HR	Jovenes De Antano	CR_SR_1	1
40	76879	0.07272	146.33	1.5	1-HR	Workplace	CR_WP_1]
40	77938	0.0753	189.45	1.5	1-HR	Nearest Workplace	CR_WP_2	MEIW
40	79173	0.1126	155.2	1.5	1-HR	Grid Receptor 1	G1]
40	75573	0.05891	160	1.5	1-HR	Grid Receptor 10	G10	
40	75573	0.24258	252.9	1.5	1-HR	Grid Receptor 100	G100]
40	79173	0.10679	165.9	1.5	1-HR	Grid Receptor 11	G11	1
40	78773	0.12833	159.6	1.5	1-HR	Grid Receptor 12	G12]

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 1-hr 2020

14:01:41

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.11604	146.2	1.5	1-HR	Grid Receptor 13	G13
648144	4077973	0.07426	158.3	1.5	1-HR	Grid Receptor 14	G14
648144	4077573	0.08324	166.6	1.5	1-HR	Grid Receptor 15	G15
648144	4077173	0.11205	175.4	1.5	1-HR	Grid Receptor 16	G16
648144	4076773	0.13862	177.1	1.5	1-HR	Grid Receptor 17	G17
648144	4076373	0.0735	178	1.5	1-HR	Grid Receptor 18	G18
648144	4075973	0.06492	173	1.5	1-HR	Grid Receptor 19	G19
647744	4078773	0.09769	145.4	1.5	1-HR	Grid Receptor 2	G2
648144	4075573	0.12864	168.8	1.5	1-HR	Grid Receptor 20	G20
648544	4079173	0.06082	173.5	1.5	1-HR	Grid Receptor 21	G21
648544	4078773	0.07027	166.2	1.5	1-HR	Grid Receptor 22	G22
648544	4078373	0.10503	145.4	1.5	1-HR	Grid Receptor 23	G23
648544	4077973	0.14248	173.9	1.5	1-HR	Grid Receptor 24	G24
648544	4077573	0.10232	179.6	1.5	1-HR	Grid Receptor 25	G25
648544	4077173	0.13711	191	1.5	1-HR	Grid Receptor 26	G26
648544	4076773	0.15444	209.2	1.5	1-HR	Grid Receptor 27	G27
648544	4076373	0.08864	233.7	1.5	1-HR	Grid Receptor 28	G28
648544	4075973	0.10903	199.9	1.5	1-HR	Grid Receptor 29	G29
647744	4078373	0.06088	144.4	1.5	1-HR	Grid Receptor 3	G3
648544	4075573	0.16694	195.5	1.5	1-HR	Grid Receptor 30	G30
648944	4079173	0.11408	190.4	1.5	1-HR	Grid Receptor 31	G31
648944	4078773	0.1022	165.4	1.5	1-HR	Grid Receptor 32	G32
648944	4078373	0.08779	159.6	1.5	1-HR	Grid Receptor 33	G33
648944	4077973	0.06968	183.5	1.5	1-HR	Grid Receptor 34	G34
648944	4077573	0.12205	224	1.5	1-HR	Grid Receptor 35	G35
648944	4076373	0.11794	205	1.5	1-HR	Grid Receptor 38	G38
648944	4075973	0.26082	208.8	1.5	1-HR	Grid Receptor 39	G39
647744	4077973	0.05909	134.6	1.5	1-HR	Grid Receptor 4	G4
648944	4075573	0.04676	185.6	1.5	1-HR	Grid Receptor 40	G40
649344	4079173	0.06817	187.4	1.5	1-HR	Grid Receptor 41	G41
649344	4078773	0.06368	160.9	1.5	1-HR	Grid Receptor 42	G42
649344	4078373	0.07286	200.5	1.5	1-HR	Grid Receptor 43	G43

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 1-hr 2020

14:01:41

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.07945	229	1.5	1-HR	Grid Receptor 44	G44
649344	4077573	0.50487	253.3	1.5	1-HR	Grid Receptor 45	G45
649344	4076373	0.42322	220.2	1.5	1-HR	Grid Receptor 48	G48
649344	4075973	0.13484	227.2	1.5	1-HR	Grid Receptor 49	G49
647744	4077573	0.0904	163.8	1.5	1-HR	Grid Receptor 5	G5
649344	4075573	0.09843	205.5	1.5	1-HR	Grid Receptor 50	G50
649744	4079173	0.07379	176.1	1.5	1-HR	Grid Receptor 51	G51
649744	4078773	0.08411	195	1.5	1-HR	Grid Receptor 52	G52
649744	4078373	0.08427	196.1	1.5	1-HR	Grid Receptor 53	G53
649744	4077973	0.07489	215.3	1.5	1-HR	Grid Receptor 54	G54
649744	4077573	0.0499	221.6	1.5	1-HR	Grid Receptor 55	G55
649744	4076373	0.28189	211.7	1.5	1-HR	Grid Receptor 58	G58
649744	4075973	0.18503	237.7	1.5	1-HR	Grid Receptor 59	G59
647744	4077173	0.09246	158.4	1.5	1-HR	Grid Receptor 6	G6
649744	4075573	0.12718	204.2	1.5	1-HR	Grid Receptor 60	G60
650144	4079173	0.08502	173	1.5	1-HR	Grid Receptor 61	G61
650144	4078773	0.06551	171	1.5	1-HR	Grid Receptor 62	G62
650144	4078373	0.05848	204.6	1.5	1-HR	Grid Receptor 63	G63
650144	4077973	0.03617	216.5	1.5	1-HR	Grid Receptor 64	G64
650144	4077573	0.49705	257.7	1.5	1-HR	Grid Receptor 65	G65
650144	4076373	0.17114	231.4	1.5	1-HR	Grid Receptor 68	G68
650144	4075973	0.3497	249.4	1.5	1-HR	Grid Receptor 69	G69
647744	4076773	0.11842	164.7	1.5	1-HR	Grid Receptor 7	G7
650144	4075573	0.1117	216.4	1.5	1-HR	Grid Receptor 70	G70
650544	4079173	0.04944	177	1.5	1-HR	Grid Receptor 71	G71
650544	4078773	0.03059	180.9	1.5	1-HR	Grid Receptor 72	G72
650544	4078373	0.03575	196.6	1.5	1-HR	Grid Receptor 73	G73
650544	4077973	0.05023	236.9	1.5	1-HR	Grid Receptor 74	G74
650544	4077573	0.41051	261.3	1.5	1-HR	Grid Receptor 75	G75
650544	4076373	0.62458	260.9	1.5	1-HR	Grid Receptor 78	G78
650544	4075973	0.13491	226.7	1.5	1-HR	Grid Receptor 79	G79
647744	4076373	0.06146	164	1.5	1-HR	Grid Receptor 8	G8

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 1-hr 2020

14:01:41

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.63213	268.2	1.5	1-HR	Grid Receptor 80	G80
650944	4079173	0.02871	181.3	1.5	1-HR	Grid Receptor 81	G81
650944	4078773	0.03287	178.4	1.5	1-HR	Grid Receptor 82	G82
650944	4078373	0.03605	214.8	1.5	1-HR	Grid Receptor 83	G83
650944	4077973	0.20284	249.9	1.5	1-HR	Grid Receptor 84	G84
650944	4077573	0.67034	276.5	1.5	1-HR	Grid Receptor 85	G85
650944	4077173	0.08459	225.6	1.5	1-HR	Grid Receptor 86	G86
650944	4076773	0.09037	219.8	1.5	1-HR	Grid Receptor 87	G87
650944	4076373	0.09302	209.2	1.5	1-HR	Grid Receptor 88	G88
650944	4075973	0.11487	216.6	1.5	1-HR	Grid Receptor 89	G89
647744	4075973	0.06029	160.7	1.5	1-HR	Grid Receptor 9	G9
650944	4075573	0.16658	243.2	1.5	1-HR	Grid Receptor 90	G90
651344	4079173	0.03109	191	1.5	1-HR	Grid Receptor 91	G91
651344	4078773	0.03418	181	1.5	1-HR	Grid Receptor 92	G92
651344	4078373	0.07305	214.3	1.5	1-HR	Grid Receptor 93	G93
651344	4077973	0.18205	248.4	1.5	1-HR	Grid Receptor 94	G94
651344	4077573	0.07	213.2	1.5	1-HR	Grid Receptor 95	G95
651344	4077173	0.07039	213.6	1.5	1-HR	Grid Receptor 96	G96
651344	4076773	0.06953	203.5	1.5	1-HR	Grid Receptor 97	G97
651344	4076373	0.07008	205.6	1.5	1-HR	Grid Receptor 98	G98
651344	4075973	0.10773	205.8	1.5	1-HR	Grid Receptor 99	G99
648584	4077523	0.1101	183.61	1.5	1-HR	Boundary Perimeter 1	P1
649484	4077537	0.53373	254.01	1.5	1-HR	Boundary Perimeter 10	P10
649584	4077539	0.06523	235.3	1.5	1-HR	Boundary Perimeter 11	P11
649684	4077540	0.05196	221.29	1.5	1-HR	Boundary Perimeter 12	P12
649784	4077541	0.04781	222.37	1.5	1-HR	Boundary Perimeter 13	P13
649884	4077542	0.04254	233.6	1.5	1-HR	Boundary Perimeter 14	P14
649984	4077543	0.32402	249.54	1.5	1-HR	Boundary Perimeter 15	P15
650084	4077546	0.56492	258.89	1.5	1-HR	Boundary Perimeter 16	P16
650184	4077548	0.5461	259.56	1.5	1-HR	Boundary Perimeter 17	P17
650284	4077550	0.48451	256.77	1.5	1-HR	Boundary Perimeter 18	P18
650384	4077552	0.13963	242.37	1.5	1-HR	Boundary Perimeter 19	P19

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 1-hr 2020

14:01:41

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.13563	197.16	1.5	1-HR	Boundary Perimeter 2	P2
650484	4077554	0.1283	242.23	1.5	1-HR	Boundary Perimeter 20	P20
650584	4077557	0.33231	259.71	1.5	1-HR	Boundary Perimeter 21	P21
650684	4077559	0.36447	257.58	1.5	1-HR	Boundary Perimeter 22	P22
650777	4077554	0.67113	267.9	1.5	1-HR	Boundary Perimeter 23	P23
650779	4077454	0.61001	275.91	1.5	1-HR	Boundary Perimeter 24	P24
650781	4077354	0.54612	265.73	1.5	1-HR	Boundary Perimeter 25	P25
650783	4077254	0.28754	251.08	1.5	1-HR	Boundary Perimeter 26	P26
650785	4077154	0.32881	252.83	1.5	1-HR	Boundary Perimeter 27	P27
650787	4077054	0.18029	246.1	1.5	1-HR	Boundary Perimeter 28	P28
650789	4076954	0.11087	241.37	1.5	1-HR	Boundary Perimeter 29	P29
648784	4077527	0.15487	209.74	1.5	1-HR	Boundary Perimeter 3	Р3
650791	4076854	0.20268	246.79	1.5	1-HR	Boundary Perimeter 30	P30
650794	4076754	0.09856	228.75	1.5	1-HR	Boundary Perimeter 31	P31
650754	4076683	0.10754	217.76	1.5	1-HR	Boundary Perimeter 32	P32
650660	4076650	0.11249	221.2	1.5	1-HR	Boundary Perimeter 33	P33
650561	4076650	0.1204	220.83	1.5	1-HR	Boundary Perimeter 34	P34
650463	4076666	0.13632	223.42	1.5	1-HR	Boundary Perimeter 35	P35
650364	4076682	0.14941	222.46	1.5	1-HR	Boundary Perimeter 36	P36
650264	4076683	0.16151	223.19	1.5	1-HR	Boundary Perimeter 37	P37
650165	4076674	0.1767	222.1	1.5	1-HR	Boundary Perimeter 38	P38
650066	4076660	0.19582	217.03	1.5	1-HR	Boundary Perimeter 39	P39
648884	4077529	0.14491	214.25	1.5	1-HR	Boundary Perimeter 4	P4
649980	4076627	0.22005	214.82	1.5	1-HR	Boundary Perimeter 40	P40
649920	4076547	0.24688	214.91	1.5	1-HR	Boundary Perimeter 41	P41
649852	4076474	0.24096	214.09	1.5	1-HR	Boundary Perimeter 42	P42
649771	4076417	0.25215	211.53	1.5	1-HR	Boundary Perimeter 43	P43
649680	4076375	0.37537	210.17	1.5	1-HR	Boundary Perimeter 44	P44
649581	4076368	0.2888	208.52	1.5	1-HR	Boundary Perimeter 45	P45
649482	4076384	0.32375	207.5	1.5	1-HR	Boundary Perimeter 46	P46
649392	4076425	0.38456	205.17	1.5	1-HR	Boundary Perimeter 47	P47
649304	4076472	0.20668	202.16	1.5	1-HR	Boundary Perimeter 48	P48

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 1-hr 2020

14:01:41

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

ror	MVIAI. (A, 12	$\Lambda, \Im(1\Lambda, \Gamma 1\Im, \Im), \Im(1\Lambda, \Gamma \Im, \Im)$	4),3A,A3,4A,	$A0,2\Lambda,A3,3\Lambda$	1,A0,2A,10)		
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.1302	196.38	1.5	1-HR	Boundary Perimeter 49	P49
648984	4077530	0.14442	221.41	1.5	1-HR	Boundary Perimeter 5	P5
649156	4076605	0.25441	195.87	1.5	1-HR	Boundary Perimeter 50	P50
649068	4076653	0.25778	196.32	1.5	1-HR	Boundary Perimeter 51	P51
648987	4076711	0.23086	192.42	1.5	1-HR	Boundary Perimeter 52	P52
648937	4076759	0.19931	192.46	1.5	1-HR	Boundary Perimeter 53	P53
648869	4076833	0.21602	191.63	1.5	1-HR	Boundary Perimeter 54	P54
648797	4076902	0.21315	186.32	1.5	1-HR	Boundary Perimeter 55	P55
648711	4076952	0.17336	179.81	1.5	1-HR	Boundary Perimeter 56	P56
648621	4076996	0.13563	176.23	1.5	1-HR	Boundary Perimeter 57	P57
648607	4077051	0.15297	175.02	1.5	1-HR	Boundary Perimeter 58	P58
648680	4077119	0.15648	180.62	1.5	1-HR	Boundary Perimeter 59	P59
649084	4077532	0.13591	216.54	1.5	1-HR	Boundary Perimeter 6	P6
648759	4077180	0.14772	183.47	1.5	1-HR	Boundary Perimeter 60	P60
648791	4077262	0.17444	202.88	1.5	1-HR	Boundary Perimeter 61	P61
648788	4077362	0.12866	178.21	1.5	1-HR	Boundary Perimeter 62	P62
648691	4077361	0.13238	176.25	1.5	1-HR	Boundary Perimeter 63	P63
648591	4077357	0.12057	176	1.5	1-HR	Boundary Perimeter 64	P64
648526	4077371	0.11625	175.24	1.5	1-HR	Boundary Perimeter 65	P65
648587	4077430	0.11415	175.13	1.5	1-HR	Boundary Perimeter 66	P66
649184	4077534	0.08388	230.71	1.5	1-HR	Boundary Perimeter 7	P7
649284	4077535	0.29132	248.08	1.5	1-HR	Boundary Perimeter 8	P8
649384	4077536	0.73662	258.43	1.5	1-HR	Boundary Perimeter 9	P9
645930	4077983	0.08261	127.38	1.5	1-HR	New Development	RP_G1
645930	4078083	0.09359	127.58	1.5	1-HR	New Development	RP_G10
646030	4078083	0.09905	130.56	1.5	1-HR	New Development	RP_G11
646130	4078083	0.10373	134.35	1.5	1-HR	New Development	RP_G12
646230	4078083	0.10743	139.22	1.5	1-HR	New Development	RP_G13
646330	4078083	0.10975	144.65	1.5	1-HR	New Development	RP_G14
646430	4078083	0.1083	142.28	1.5	1-HR	New Development	RP_G15
646530	4078083	0.10646	146.76	1.5	1-HR	New Development	RP_G16
646630	4078083	0.10231	150.64	1.5	1-HR	New Development	RP_G17

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14:01:41

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.09622	155.4	1.5	1-HR	New Development	RP_G18
645930	4078183	0.09995	127.22	1.5	1-HR	New Development	RP_G19
646030	4077983	0.08982	131.21	1.5	1-HR	New Development	RP_G2
646030	4078183	0.10308	130.56	1.5	1-HR	New Development	RP_G20
646130	4078183	0.10485	133.89	1.5	1-HR	New Development	RP_G21
646230	4078183	0.10574	140.45	1.5	1-HR	New Development	RP_G22
646330	4078183	0.10491	146.94	1.5	1-HR	New Development	RP_G23
646430	4078183	0.09906	140.23	1.5	1-HR	New Development	RP_G24
646530	4078183	0.09445	147.25	1.5	1-HR	New Development	RP_G25
646630	4078183	0.08742	151.56	1.5	1-HR	New Development	RP_G26
646730	4078183	0.07922	157.78	1.5	1-HR	New Development	RP_G27
645930	4078283	0.10085	126.06	1.5	1-HR	New Development	RP_G28
646030	4078283	0.1012	129.56	1.5	1-HR	New Development	RP_G29
646130	4077983	0.09682	135.89	1.5	1-HR	New Development	RP_G3
646130	4078283	0.09996	132.89	1.5	1-HR	New Development	RP_G30
646230	4078283	0.09768	139.24	1.5	1-HR	New Development	RP_G31
646330	4078283	0.0931	142.68	1.5	1-HR	New Development	RP_G32
646430	4078283	0.0857	140.02	1.5	1-HR	New Development	RP_G33
646530	4078283	0.07877	147.22	1.5	1-HR	New Development	RP_G34
646630	4078283	0.07631	151.56	1.5	1-HR	New Development	RP_G35
646730	4078283	0.07883	156.78	1.5	1-HR	New Development	RP_G36
646230	4077983	0.10287	139.18	1.5	1-HR	New Development	RP_G4
646330	4077983	0.10747	140.76	1.5	1-HR	New Development	RP_G5
646430	4077983	0.11097	143.89	1.5	1-HR	New Development	RP_G6
646530	4077983	0.1122	145.22	1.5	1-HR	New Development	RP_G7
646630	4077983	0.11145	147.21	1.5	1-HR	New Development	RP_G8
646730	4077983	0.1081	148.3	1.5	1-HR	New Development	RP_G9
648659	4077241	0.17124	205.79	1.5	1-HR	House 1	RP_H1
648071	4076116	0.06904	169.6	1.5	1-HR	House 10	RP_H10
648247	4076278	0.07831	184.55	1.5	1-HR	House 11	RP_H11
648027	4076255	0.07242	169.38	1.5	1-HR	House 12	RP_H12
648066	4076359	0.07158	173.83	1.5	1-HR	House 13	RP_H13

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
648139	4076400	0.07196	178.22	1.5	1-HR	House 14	RP_H14	
648255	4076411	0.07626	191.28	1.5	1-HR	House 15	RP_H15	
647878	4076365	0.06537	165.39	1.5	1-HR	House 16	RP_H16	
647520	4076206	0.06125	159	1.5	1-HR	House 17	RP_H17	
647921	4076247	0.06964	164	1.5	1-HR	House 18	RP_H18	
647709	4076352	0.06159	163.52	1.5	1-HR	House 19	RP_H19	
648372	4075470	0.17172	173.69	1.5	1-HR	House 2	RP_H2	MEIR
647704	4076251	0.0647	162.17	1.5	1-HR	House 20	RP_H20	
647719	4076104	0.06466	159.35	1.5	1-HR	House 21	RP_H21	
647843	4076125	0.0671	163	1.5	1-HR	House 22	RP_H22	
647842	4076500	0.05573	167.93	1.5	1-HR	House 23	RP_H23	
647728	4076644	0.08416	164.15	1.5	1-HR	House 24	RP_H24	
647824	4076644	0.08905	168.29	1.5	1-HR	House 25	RP_H25	
647530	4076497	0.04938	159.56	1.5	1-HR	House 26	RP_H26	
647810	4076854	0.13178	162.9	1.5	1-HR	House 27	RP_H27	
647697	4076989	0.12646	161.42	1.5	1-HR	House 28	RP_H28	
648226	4076182	0.07454	183.22	1.5	1-HR	House 29	RP_H29	
647678	4075969	0.05989	159.5	1.5	1-HR	House 3	RP_H3	
645876	4077487	0.08017	127.13	1.5	1-HR	House 30	RP_H30	
650902	4076062	0.11525	215.24	1.5	1-HR	House 31	RP_H31	
651490	4076597	0.06579	205.5	1.5	1-HR	House 32	RP_H32	
651565	4077067	0.06544	213.93	1.5	1-HR	House 33	RP_H33	
648673	4075307	0.08041	225.91	1.5	1-HR	House 34	RP_H34	
648384	4075469	0.17059	174.44	1.5	1-HR	House 35	RP_H35	
646379	4077233	0.09621	146	1.5	1-HR	House 36	RP_H36	
651850	4075865	0.09593	201.97	1.5	1-HR	House 37	RP_H37	
652045	4076210	0.05779	196.88	1.5	1-HR	House 38	RP_H38	
652256	4076391	0.04482	197.06	1.5	1-HR	House 39	RP_H39	
647815	4075985	0.06105	162.04	1.5	1-HR	House 4	RP_H4	
646854	4077373	0.08527	145.99	1.5	1-HR	House 40	RP_H40	
647050	4077360	0.08135	145	1.5	1-HR	House 41	RP_H41	
647286	4077474	0.11309	149.68	1.5	1-HR	House 42	RP_H42	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.09513	154.45	1.5	1-HR	House 43	RP_H43
647490	4077329	0.10725	162.28	1.5	1-HR	House 44	RP_H44
647522	4077252	0.09208	164.3	1.5	1-HR	House 45	RP_H45
647518	4077139	0.10826	164.01	1.5	1-HR	House 46	RP_H46
646819	4077258	0.10013	151.53	1.5	1-HR	House 47	RP_H47
646779	4077128	0.1076	158.51	1.5	1-HR	House 48	RP_H48
646987	4077213	0.10258	146.44	1.5	1-HR	House 49	RP_H49
647898	4076033	0.06378	163.83	1.5	1-HR	House 5	RP_H5
647242	4077227	0.09912	154.85	1.5	1-HR	House 50	RP_H50
646773	4077063	0.10631	159	1.5	1-HR	House 51	RP_H51
647104	4077118	0.1108	148.99	1.5	1-HR	House 52	RP_H52
647292	4077123	0.11349	158.62	1.5	1-HR	House 53	RP_H53
646765	4076978	0.10013	158.67	1.5	1-HR	House 54	RP_H54
646996	4076984	0.10777	152.34	1.5	1-HR	House 55	RP_H55
647317	4077031	0.12067	160.22	1.5	1-HR	House 56	RP_H56
647398	4077013	0.12297	161.26	1.5	1-HR	House 57	RP_H57
646979	4076904	0.10027	156.81	1.5	1-HR	House 58	RP_H58
647015	4076807	0.08726	156.21	1.5	1-HR	House 59	RP_H59
648045	4076018	0.06245	168.26	1.5	1-HR	House 6	RP_H6
647164	4076802	0.09259	154.38	1.5	1-HR	House 60	RP_H60
647311	4076940	0.11955	162.49	1.5	1-HR	House 61	RP_H61
647298	4076805	0.10029	158	1.5	1-HR	House 62	RP_H62
647447	4076900	0.12086	159.45	1.5	1-HR	House 63	RP_H63
647464	4076781	0.10421	159.32	1.5	1-HR	House 64	RP_H64
647512	4076536	0.04839	159	1.5	1-HR	House 65	RP_H65
651131	4078767	0.03288	179.58	1.5	1-HR	House 66	RP_H66
647131	4077336	0.08268	146.77	1.5	1-HR	House 67	RP_H67
646798	4076740	0.06731	156.07	1.5	1-HR	House 68	RP_H68
646900	4076802	0.08214	159	1.5	1-HR	House 69	RP_H69
648126	4075955	0.06498	171.51	1.5	1-HR	House 7	RP_H7
647317	4076662	0.07151	159.9	1.5	1-HR	House 70	RP_H70
648249	4075970	0.07116	183.42	1.5	1-HR	House 8	RP_H8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.06933	182.28	1.5	1-HR	House 9	RP_H9

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.00071	123.85	1.5	ANNUAL	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.00019	105.68	1.5	ANNUAL	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	0.00026	85.12	1.5	ANNUAL	Dunne Park	CR_PK_1	
642179	4079950	0.00034	117.99	1.5	ANNUAL	Vista Park Hill Park	CR_PK_2	
644733	4078753	0.00041	106.44	1.5	ANNUAL	Las Brisas Park	CR_PK_3	
645609	4078854	0.00065	112.86	1.5	ANNUAL	Frank Klauer Memorial Park	CR_PK_4	
644238	4078807	0.00035	95.25	1.5	ANNUAL	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.00016	134.61	1.5	ANNUAL	Park 6	CR_PK_6	
649582	4073424	0.00072	159.96	1.5	ANNUAL	Park 7	CR_PK_7	
645145	4077181	0.00019	133	1.5	ANNUAL	Cerra Vista Elem School	CR_SC_1	
642905	4079955	0.00043	86	1.5	ANNUAL	San Andreas Continuation	CR_SC_10	
645851	4074015	0.00012	123	1.5	ANNUAL	SouthSide School	CR_SC_11	
642106	4078176	0.00018	91	1.5	ANNUAL	School 12	CR_SC_12	
646059	4078443	0.00063	128.52	1.5	ANNUAL	Rancho Santana School	CR_SC_13	-
647269	4075575	0.00017	158	1.5	ANNUAL	Future School	CR_SC_14	School 2
648466	4074106	0.00022	159	1.5	ANNUAL	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.00027	98.2	1.5	ANNUAL	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.00018	101.23	1.5	ANNUAL	Hollister Montessori School	CR_SC_3	
642961	4078621	0.00024	92	1.5	ANNUAL	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.00054	88	1.5	ANNUAL	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.00023	85	1.5	ANNUAL	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.00017	98.22	1.5	ANNUAL	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.00062	87	1.5	ANNUAL	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.00019	90.17	1.5	ANNUAL	San Benito High School	CR_SC_9	
642083	4079794	0.0003	87.58	1.5	ANNUAL	Jovenes De Antano	CR_SR_1	
646402	4076879	0.00021	146.33	1.5	ANNUAL	Workplace	CR_WP_1	
648949	4077938	0.00069	189.45	1.5	ANNUAL	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.00107	155.2	1.5	ANNUAL	Grid Receptor 1	G1	
647744	4075573	0.00021	160	1.5	ANNUAL	Grid Receptor 10	G10	
651344	4075573	0.00408	252.9	1.5	ANNUAL	Grid Receptor 100	G100	
648144	4079173	0.00069	165.9	1.5	ANNUAL	Grid Receptor 11	G11	
648144	4078773	0.00095	159.6	1.5	ANNUAL	Grid Receptor 12	G12	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.00137	146.2	1.5	ANNUAL	Grid Receptor 13	G13
648144	4077973	0.00181	158.3	1.5	ANNUAL	Grid Receptor 14	G14
648144	4077573	0.00173	166.6	1.5	ANNUAL	Grid Receptor 15	G15
648144	4077173	0.001	175.4	1.5	ANNUAL	Grid Receptor 16	G16
648144	4076773	0.00049	177.1	1.5	ANNUAL	Grid Receptor 17	G17
648144	4076373	0.00033	178	1.5	ANNUAL	Grid Receptor 18	G18
648144	4075973	0.00028	173	1.5	ANNUAL	Grid Receptor 19	G19
647744	4078773	0.00135	145.4	1.5	ANNUAL	Grid Receptor 2	G2
648144	4075573	0.00026	168.8	1.5	ANNUAL	Grid Receptor 20	G20
648544	4079173	0.00044	173.5	1.5	ANNUAL	Grid Receptor 21	G21
648544	4078773	0.00056	166.2	1.5	ANNUAL	Grid Receptor 22	G22
648544	4078373	0.00077	145.4	1.5	ANNUAL	Grid Receptor 23	G23
648544	4077973	0.00134	173.9	1.5	ANNUAL	Grid Receptor 24	G24
648544	4077573	0.0024	179.6	1.5	ANNUAL	Grid Receptor 25	G25
648544	4077173	0.00257	191	1.5	ANNUAL	Grid Receptor 26	G26
648544	4076773	0.00108	209.2	1.5	ANNUAL	Grid Receptor 27	G27
648544	4076373	0.00076	233.7	1.5	ANNUAL	Grid Receptor 28	G28
648544	4075973	0.00046	199.9	1.5	ANNUAL	Grid Receptor 29	G29
647744	4078373	0.00155	144.4	1.5	ANNUAL	Grid Receptor 3	G3
648544	4075573	0.00035	195.5	1.5	ANNUAL	Grid Receptor 30	G30
648944	4079173	0.00029	190.4	1.5	ANNUAL	Grid Receptor 31	G31
648944	4078773	0.00034	165.4	1.5	ANNUAL	Grid Receptor 32	G32
648944	4078373	0.00044	159.6	1.5	ANNUAL	Grid Receptor 33	G33
648944	4077973	0.00066	183.5	1.5	ANNUAL	Grid Receptor 34	G34
648944	4077573	0.00133	224	1.5	ANNUAL	Grid Receptor 35	G35
648944	4076373	0.00137	205	1.5	ANNUAL	Grid Receptor 38	G38
648944	4075973	0.00081	208.8	1.5	ANNUAL	Grid Receptor 39	G39
647744	4077973	0.00143	134.6	1.5	ANNUAL	Grid Receptor 4	G4
648944	4075573	0.00047	185.6	1.5	ANNUAL	Grid Receptor 40	G40
649344	4079173	0.00022	187.4	1.5	ANNUAL	Grid Receptor 41	G41
649344	4078773	0.00024	160.9	1.5	ANNUAL	Grid Receptor 42	G42
649344	4078373	0.0003	200.5	1.5	ANNUAL	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00045	229	1.5	ANNUAL	Grid Receptor 44	G44
649344	4077573	0.00253	253.3	1.5	ANNUAL	Grid Receptor 45	G45
649344	4076373	0.01299	220.2	1.5	ANNUAL	Grid Receptor 48	G48
649344	4075973	0.00242	227.2	1.5	ANNUAL	Grid Receptor 49	G49
647744	4077573	0.00099	163.8	1.5	ANNUAL	Grid Receptor 5	G5
649344	4075573	0.00107	205.5	1.5	ANNUAL	Grid Receptor 50	G50
649744	4079173	0.0002	176.1	1.5	ANNUAL	Grid Receptor 51	G51
649744	4078773	0.00022	195	1.5	ANNUAL	Grid Receptor 52	G52
649744	4078373	0.00025	196.1	1.5	ANNUAL	Grid Receptor 53	G53
649744	4077973	0.0003	215.3	1.5	ANNUAL	Grid Receptor 54	G54
649744	4077573	0.00039	221.6	1.5	ANNUAL	Grid Receptor 55	G55
649744	4076373	0.01547	211.7	1.5	ANNUAL	Grid Receptor 58	G58
649744	4075973	0.01316	237.7	1.5	ANNUAL	Grid Receptor 59	G59
647744	4077173	0.00056	158.4	1.5	ANNUAL	Grid Receptor 6	G6
649744	4075573	0.00306	204.2	1.5	ANNUAL	Grid Receptor 60	G60
650144	4079173	0.00018	173	1.5	ANNUAL	Grid Receptor 61	G61
650144	4078773	0.00019	171	1.5	ANNUAL	Grid Receptor 62	G62
650144	4078373	0.00021	204.6	1.5	ANNUAL	Grid Receptor 63	G63
650144	4077973	0.00024	216.5	1.5	ANNUAL	Grid Receptor 64	G64
650144	4077573	0.00134	257.7	1.5	ANNUAL	Grid Receptor 65	G65
650144	4076373	0.00521	231.4	1.5	ANNUAL	Grid Receptor 68	G68
650144	4075973	0.01179	249.4	1.5	ANNUAL	Grid Receptor 69	G69
647744	4076773	0.00033	164.7	1.5	ANNUAL	Grid Receptor 7	G7
650144	4075573	0.0054	216.4	1.5	ANNUAL	Grid Receptor 70	G70
650544	4079173	0.00016	177	1.5	ANNUAL	Grid Receptor 71	G71
650544	4078773	0.00016	180.9	1.5	ANNUAL	Grid Receptor 72	G72
650544	4078373	0.00017	196.6	1.5	ANNUAL	Grid Receptor 73	G73
650544	4077973	0.00031	236.9	1.5	ANNUAL	Grid Receptor 74	G74
650544	4077573	0.00103	261.3	1.5	ANNUAL	Grid Receptor 75	G75
650544	4076373	0.00699	260.9	1.5	ANNUAL	Grid Receptor 78	G78
650544	4075973	0.00417	226.7	1.5	ANNUAL	Grid Receptor 79	G79
647744	4076373	0.00025	164	1.5	ANNUAL	Grid Receptor 8	G8

* AERMET (21112): Future Flare (1.5m) SO2 1-yr 2020

14:01:41

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.01044	268.2	1.5	ANNUAL	Grid Receptor 80	G80
650944	4079173	0.00013	181.3	1.5	ANNUAL	Grid Receptor 81	G81
650944	4078773	0.00014	178.4	1.5	ANNUAL	Grid Receptor 82	G82
650944	4078373	0.00017	214.8	1.5	ANNUAL	Grid Receptor 83	G83
650944	4077973	0.0006	249.9	1.5	ANNUAL	Grid Receptor 84	G84
650944	4077573	0.00095	276.5	1.5	ANNUAL	Grid Receptor 85	G85
650944	4077173	0.00059	225.6	1.5	ANNUAL	Grid Receptor 86	G86
650944	4076773	0.00107	219.8	1.5	ANNUAL	Grid Receptor 87	G87
650944	4076373	0.00194	209.2	1.5	ANNUAL	Grid Receptor 88	G88
650944	4075973	0.00262	216.6	1.5	ANNUAL	Grid Receptor 89	G89
647744	4075973	0.00021	160.7	1.5	ANNUAL	Grid Receptor 9	G9
650944	4075573	0.00447	243.2	1.5	ANNUAL	Grid Receptor 90	G90
651344	4079173	0.00012	191	1.5	ANNUAL	Grid Receptor 91	G91
651344	4078773	0.00014	181	1.5	ANNUAL	Grid Receptor 92	G92
651344	4078373	0.0002	214.3	1.5	ANNUAL	Grid Receptor 93	G93
651344	4077973	0.0004	248.4	1.5	ANNUAL	Grid Receptor 94	G94
651344	4077573	0.00038	213.2	1.5	ANNUAL	Grid Receptor 95	G95
651344	4077173	0.00059	213.6	1.5	ANNUAL	Grid Receptor 96	G96
651344	4076773	0.00095	203.5	1.5	ANNUAL	Grid Receptor 97	G97
651344	4076373	0.00153	205.6	1.5	ANNUAL	Grid Receptor 98	G98
651344	4075973	0.00196	205.8	1.5	ANNUAL	Grid Receptor 99	G99
648584	4077523	0.00253	183.61	1.5	ANNUAL	Boundary Perimeter 1	P1
649484	4077537	0.00189	254.01	1.5	ANNUAL	Boundary Perimeter 10	P10
649584	4077539	0.00056	235.3	1.5	ANNUAL	Boundary Perimeter 11	P11
649684	4077540	0.00042	221.29	1.5	ANNUAL	Boundary Perimeter 12	P12
649784	4077541	0.00039	222.37	1.5	ANNUAL	Boundary Perimeter 13	P13
649884	4077542	0.00045	233.6	1.5	ANNUAL	Boundary Perimeter 14	P14
649984	4077543	0.00114	249.54	1.5	ANNUAL	Boundary Perimeter 15	P15
650084	4077546	0.0016	258.89	1.5	ANNUAL	Boundary Perimeter 16	P16
650184	4077548	0.00133	259.56	1.5	ANNUAL	Boundary Perimeter 17	P17
650284	4077550	0.00117	256.77	1.5	ANNUAL	Boundary Perimeter 18	P18
650384	4077552	0.00055	242.37	1.5	ANNUAL	Boundary Perimeter 19	P19

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 1-yr 2020

14:01:41

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.00243	197.16	1.5	ANNUAL	Boundary Perimeter 2	P2
650484	4077554	0.00052	242.23	1.5	ANNUAL	Boundary Perimeter 20	P20
650584	4077557	0.00088	259.71	1.5	ANNUAL	Boundary Perimeter 21	P21
650684	4077559	0.00073	257.58	1.5	ANNUAL	Boundary Perimeter 22	P22
650777	4077554	0.0009	267.9	1.5	ANNUAL	Boundary Perimeter 23	P23
650779	4077454	0.00106	275.91	1.5	ANNUAL	Boundary Perimeter 24	P24
650781	4077354	0.00136	265.73	1.5	ANNUAL	Boundary Perimeter 25	P25
650783	4077254	0.0011	251.08	1.5	ANNUAL	Boundary Perimeter 26	P26
650785	4077154	0.0014	252.83	1.5	ANNUAL	Boundary Perimeter 27	P27
650787	4077054	0.00128	246.1	1.5	ANNUAL	Boundary Perimeter 28	P28
650789	4076954	0.0013	241.37	1.5	ANNUAL	Boundary Perimeter 29	P29
648784	4077527	0.00214	209.74	1.5	ANNUAL	Boundary Perimeter 3	Р3
650791	4076854	0.00193	246.79	1.5	ANNUAL	Boundary Perimeter 30	P30
650794	4076754	0.00126	228.75	1.5	ANNUAL	Boundary Perimeter 31	P31
650754	4076683	0.00133	217.76	1.5	ANNUAL	Boundary Perimeter 32	P32
650660	4076650	0.00151	221.2	1.5	ANNUAL	Boundary Perimeter 33	P33
650561	4076650	0.00157	220.83	1.5	ANNUAL	Boundary Perimeter 34	P34
650463	4076666	0.00161	223.42	1.5	ANNUAL	Boundary Perimeter 35	P35
650364	4076682	0.0016	222.46	1.5	ANNUAL	Boundary Perimeter 36	P36
650264	4076683	0.00168	223.19	1.5	ANNUAL	Boundary Perimeter 37	P37
650165	4076674	0.00181	222.1	1.5	ANNUAL	Boundary Perimeter 38	P38
650066	4076660	0.00201	217.03	1.5	ANNUAL	Boundary Perimeter 39	P39
648884	4077529	0.00163	214.25	1.5	ANNUAL	Boundary Perimeter 4	P4
649980	4076627	0.00253	214.82	1.5	ANNUAL	Boundary Perimeter 40	P40
649920	4076547	0.00416	214.91	1.5	ANNUAL	Boundary Perimeter 41	P41
649852	4076474	0.00694	214.09	1.5	ANNUAL	Boundary Perimeter 42	P42
649771	4076417	0.01185	211.53	1.5	ANNUAL	Boundary Perimeter 43	P43
649680	4076375	0.02005	210.17	1.5	ANNUAL	Boundary Perimeter 44	P44
649581	4076368	0.02987	208.52	1.5	ANNUAL	Boundary Perimeter 45	P45
649482	4076384	0.03748	207.5	1.5	ANNUAL	Boundary Perimeter 46	P46
649392	4076425	0.02934	205.17	1.5	ANNUAL	Boundary Perimeter 47	P47
649304	4076472	0.00425	202.16	1.5	ANNUAL	Boundary Perimeter 48	P48

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.00192	196.38	1.5	ANNUAL	Boundary Perimeter 49	P49
648984	4077530	0.00128	221.41	1.5	ANNUAL	Boundary Perimeter 5	P5
649156	4076605	0.00439	195.87	1.5	ANNUAL	Boundary Perimeter 50	P50
649068	4076653	0.00453	196.32	1.5	ANNUAL	Boundary Perimeter 51	P51
648987	4076711	0.00408	192.42	1.5	ANNUAL	Boundary Perimeter 52	P52
648937	4076759	0.00401	192.46	1.5	ANNUAL	Boundary Perimeter 53	P53
648869	4076833	0.00385	191.63	1.5	ANNUAL	Boundary Perimeter 54	P54
648797	4076902	0.0034	186.32	1.5	ANNUAL	Boundary Perimeter 55	P55
648711	4076952	0.00267	179.81	1.5	ANNUAL	Boundary Perimeter 56	P56
648621	4076996	0.00215	176.23	1.5	ANNUAL	Boundary Perimeter 57	P57
648607	4077051	0.00234	175.02	1.5	ANNUAL	Boundary Perimeter 58	P58
648680	4077119	0.00332	180.62	1.5	ANNUAL	Boundary Perimeter 59	P59
649084	4077532	0.00098	216.54	1.5	ANNUAL	Boundary Perimeter 6	P6
648759	4077180	0.00384	183.47	1.5	ANNUAL	Boundary Perimeter 60	P60
648791	4077262	0.00373	202.88	1.5	ANNUAL	Boundary Perimeter 61	P61
648788	4077362	0.00273	178.21	1.5	ANNUAL	Boundary Perimeter 62	P62
648691	4077361	0.00297	176.25	1.5	ANNUAL	Boundary Perimeter 63	P63
648591	4077357	0.00288	176	1.5	ANNUAL	Boundary Perimeter 64	P64
648526	4077371	0.00269	175.24	1.5	ANNUAL	Boundary Perimeter 65	P65
648587	4077430	0.00273	175.13	1.5	ANNUAL	Boundary Perimeter 66	P66
649184	4077534	0.00089	230.71	1.5	ANNUAL	Boundary Perimeter 7	P7
649284	4077535	0.0019	248.08	1.5	ANNUAL	Boundary Perimeter 8	P8
649384	4077536	0.00328	258.43	1.5	ANNUAL	Boundary Perimeter 9	P9
645930	4077983	0.00039	127.38	1.5	ANNUAL	New Development	RP_G1
645930	4078083	0.00043	127.58	1.5	ANNUAL	New Development	RP_G10
646030	4078083	0.00045	130.56	1.5	ANNUAL	New Development	RP_G11
646130	4078083	0.00048	134.35	1.5	ANNUAL	New Development	RP_G12
646230	4078083	0.00051	139.22	1.5	ANNUAL	New Development	RP_G13
646330	4078083	0.00055	144.65	1.5	ANNUAL	New Development	RP_G14
646430	4078083	0.00058	142.28	1.5	ANNUAL	New Development	RP_G15
646530	4078083	0.00062	146.76	1.5	ANNUAL	New Development	RP_G16
646630	4078083	0.00066	150.64	1.5	ANNUAL	New Development	RP_G17

09/30/21

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		A,5(174,1 15.5),5(174,1 0.					
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.0007	155.4	1.5	ANNUAL	New Development	RP_G18
645930	4078183	0.00047	127.22	1.5	ANNUAL	New Development	RP_G19
646030	4077983	0.00041	131.21	1.5	ANNUAL	New Development	RP_G2
646030	4078183	0.0005	130.56	1.5	ANNUAL	New Development	RP_G20
646130	4078183	0.00053	133.89	1.5	ANNUAL	New Development	RP_G21
646230	4078183	0.00056	140.45	1.5	ANNUAL	New Development	RP_G22
646330	4078183	0.0006	146.94	1.5	ANNUAL	New Development	RP_G23
646430	4078183	0.00063	140.23	1.5	ANNUAL	New Development	RP_G24
646530	4078183	0.00067	147.25	1.5	ANNUAL	New Development	RP_G25
646630	4078183	0.00071	151.56	1.5	ANNUAL	New Development	RP_G26
646730	4078183	0.00076	157.78	1.5	ANNUAL	New Development	RP_G27
645930	4078283	0.00052	126.06	1.5	ANNUAL	New Development	RP_G28
646030	4078283	0.00055	129.56	1.5	ANNUAL	New Development	RP_G29
646130	4077983	0.00043	135.89	1.5	ANNUAL	New Development	RP_G3
646130	4078283	0.00058	132.89	1.5	ANNUAL	New Development	RP_G30
646230	4078283	0.00061	139.24	1.5	ANNUAL	New Development	RP_G31
646330	4078283	0.00065	142.68	1.5	ANNUAL	New Development	RP_G32
646430	4078283	0.00068	140.02	1.5	ANNUAL	New Development	RP_G33
646530	4078283	0.00072	147.22	1.5	ANNUAL	New Development	RP_G34
646630	4078283	0.00076	151.56	1.5	ANNUAL	New Development	RP_G35
646730	4078283	0.00081	156.78	1.5	ANNUAL	New Development	RP_G36
646230	4077983	0.00046	139.18	1.5	ANNUAL	New Development	RP_G4
646330	4077983	0.00049	140.76	1.5	ANNUAL	New Development	RP_G5
646430	4077983	0.00053	143.89	1.5	ANNUAL	New Development	RP_G6
646530	4077983	0.00056	145.22	1.5	ANNUAL	New Development	RP_G7
646630	4077983	0.0006	147.21	1.5	ANNUAL	New Development	RP_G8
646730	4077983	0.00064	148.3	1.5	ANNUAL	New Development	RP_G9
648659	4077241	0.00368	205.79	1.5	ANNUAL	House 1	RP_H1
648071	4076116	0.00027	169.6	1.5	ANNUAL	House 10	RP_H10
648247	4076278	0.00035	184.55	1.5	ANNUAL	House 11	RP_H11
648027	4076255	0.00028	169.38	1.5	ANNUAL	House 12	RP_H12
648066	4076359	0.00031	173.83	1.5	ANNUAL	House 13	RP_H13

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* AERMET (21112): Future Flare (1.5m) SO2 1-yr 2020

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.00034	178.22	1.5	ANNUAL	House 14	RP_H14
648255	4076411	0.00039	191.28	1.5	ANNUAL	House 15	RP_H15
647878	4076365	0.00027	165.39	1.5	ANNUAL	House 16	RP_H16
647520	4076206	0.0002	159	1.5	ANNUAL	House 17	RP_H17
647921	4076247	0.00026	164	1.5	ANNUAL	House 18	RP_H18
647709	4076352	0.00024	163.52	1.5	ANNUAL	House 19	RP_H19
648372	4075470	0.00029	173.69	1.5	ANNUAL	House 2	RP_H2
647704	4076251	0.00023	162.17	1.5	ANNUAL	House 20	RP_H20
647719	4076104	0.00021	159.35	1.5	ANNUAL	House 21	RP_H21
647843	4076125	0.00023	163	1.5	ANNUAL	House 22	RP_H22
647842	4076500	0.00029	167.93	1.5	ANNUAL	House 23	RP_H23
647728	4076644	0.0003	164.15	1.5	ANNUAL	House 24	RP_H24
647824	4076644	0.00032	168.29	1.5	ANNUAL	House 25	RP_H25
647530	4076497	0.00024	159.56	1.5	ANNUAL	House 26	RP_H26
647810	4076854	0.00038	162.9	1.5	ANNUAL	House 27	RP_H27
647697	4076989	0.00041	161.42	1.5	ANNUAL	House 28	RP_H28
648226	4076182	0.00033	183.22	1.5	ANNUAL	House 29	RP_H29
647678	4075969	0.0002	159.5	1.5	ANNUAL	House 3	RP_H3
645876	4077487	0.00026	127.13	1.5	ANNUAL	House 30	RP_H30
650902	4076062	0.00257	215.24	1.5	ANNUAL	House 31	RP_H31
651490	4076597	0.00119	205.5	1.5	ANNUAL	House 32	RP_H32
651565	4077067	0.00068	213.93	1.5	ANNUAL	House 33	RP_H33
648673	4075307	0.00039	225.91	1.5	ANNUAL	House 34	RP_H34
648384	4075469	0.00029	174.44	1.5	ANNUAL	House 35	RP_H35
646379	4077233	0.00026	146	1.5	ANNUAL	House 36	RP_H36
651850	4075865	0.0016	201.97	1.5	ANNUAL	House 37	RP_H37
652045	4076210	0.00123	196.88	1.5	ANNUAL	House 38	RP_H38
652256	4076391	0.00108	197.06	1.5	ANNUAL	House 39	RP_H39
647815	4075985	0.00022	162.04	1.5	ANNUAL	House 4	RP_H4
646854	4077373	0.00035	145.99	1.5	ANNUAL	House 40	RP_H40
647050	4077360	0.00039	145	1.5	ANNUAL	House 41	RP_H41
647286	4077474	0.00055	149.68	1.5	ANNUAL	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.00049	154.45	1.5	ANNUAL	House 43	RP_H43
647490	4077329	0.00055	162.28	1.5	ANNUAL	House 44	RP_H44
647522	4077252	0.0005	164.3	1.5	ANNUAL	House 45	RP_H45
647518	4077139	0.00043	164.01	1.5	ANNUAL	House 46	RP_H46
646819	4077258	0.00031	151.53	1.5	ANNUAL	House 47	RP_H47
646779	4077128	0.00028	158.51	1.5	ANNUAL	House 48	RP_H48
646987	4077213	0.00032	146.44	1.5	ANNUAL	House 49	RP_H49
647898	4076033	0.00023	163.83	1.5	ANNUAL	House 5	RP_H5
647242	4077227	0.00039	154.85	1.5	ANNUAL	House 50	RP_H50
646773	4077063	0.00026	159	1.5	ANNUAL	House 51	RP_H51
647104	4077118	0.00032	148.99	1.5	ANNUAL	House 52	RP_H52
647292	4077123	0.00036	158.62	1.5	ANNUAL	House 53	RP_H53
646765	4076978	0.00025	158.67	1.5	ANNUAL	House 54	RP_H54
646996	4076984	0.00027	152.34	1.5	ANNUAL	House 55	RP_H55
647317	4077031	0.00033	160.22	1.5	ANNUAL	House 56	RP_H56
647398	4077013	0.00034	161.26	1.5	ANNUAL	House 57	RP_H57
646979	4076904	0.00025	156.81	1.5	ANNUAL	House 58	RP_H58
647015	4076807	0.00024	156.21	1.5	ANNUAL	House 59	RP_H59
648045	4076018	0.00026	168.26	1.5	ANNUAL	House 6	RP_H6
647164	4076802	0.00025	154.38	1.5	ANNUAL	House 60	RP_H60
647311	4076940	0.0003	162.49	1.5	ANNUAL	House 61	RP_H61
647298	4076805	0.00027	158	1.5	ANNUAL	House 62	RP_H62
647447	4076900	0.00031	159.45	1.5	ANNUAL	House 63	RP_H63
647464	4076781	0.00028	159.32	1.5	ANNUAL	House 64	RP_H64
647512	4076536	0.00025	159	1.5	ANNUAL	House 65	RP_H65
651131	4078767	0.00013	179.58	1.5	ANNUAL	House 66	RP_H66
647131	4077336	0.0004	146.77	1.5	ANNUAL	House 67	RP_H67
646798	4076740	0.00022	156.07	1.5	ANNUAL	House 68	RP_H68
646900	4076802	0.00023	159	1.5	ANNUAL	House 69	RP_H69
648126	4075955	0.00028	171.51	1.5	ANNUAL	House 7	RP_H7
647317	4076662	0.00025	159.9	1.5	ANNUAL	House 70	RP_H70
648249	4075970	0.00032	183.42	1.5	ANNUAL	House 8	RP_H8

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 1-yr 2020

14:01:41

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.00032	182.28	1.5	ANNUAL	House 9	RP_H9

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 3-hr 2020

14:01:41

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.02365	123.85	1.5	3-HR	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.02212	105.68	1.5	3-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	0.01121	85.12	1.5	3-HR	Dunne Park	CR_PK_1	
642179	4079950	0.02106	117.99	1.5	3-HR	Vista Park Hill Park	CR_PK_2	
644733	4078753	0.02785	106.44	1.5	3-HR	Las Brisas Park	CR_PK_3	
645609	4078854	0.0234	112.86	1.5	3-HR	Frank Klauer Memorial Park	CR_PK_4	
644238	4078807	0.02287	95.25	1.5	3-HR	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.01989	134.61	1.5	3-HR	Park 6	CR_PK_6	
649582	4073424	0.03324	159.96	1.5	3-HR	Park 7	CR_PK_7	
645145	4077181	0.0237	133	1.5	3-HR	Cerra Vista Elem School	CR_SC_1	
642905	4079955	0.02174	86	1.5	3-HR	San Andreas Continuation	CR_SC_10	
645851	4074015	0.02134	123	1.5	3-HR	SouthSide School	CR_SC_11	
642106	4078176	0.01754	91	1.5	3-HR	School 12	CR_SC_12	
646059	4078443	0.02925	128.52	1.5	3-HR	Rancho Santana School	CR_SC_13	-
647269	4075575	0.02099	158	1.5	3-HR	Future School	CR_SC_14	School 2
648466	4074106	0.02273	159	1.5	3-HR	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.0174	98.2	1.5	3-HR	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.01709	101.23	1.5	3-HR	Hollister Montessori School	CR_SC_3	
642961	4078621	0.01599	92	1.5	3-HR	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.02202	88	1.5	3-HR	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.01395	85	1.5	3-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.01538	98.22	1.5	3-HR	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.02754	87	1.5	3-HR	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.01742	90.17	1.5	3-HR	San Benito High School	CR_SC_9	
642083	4079794	0.01772	87.58	1.5	3-HR	Jovenes De Antano	CR_SR_1	
646402	4076879	0.02715	146.33	1.5	3-HR	Workplace	CR_WP_1	
648949	4077938	0.03515	189.45	1.5	3-HR	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.05978	155.2	1.5	3-HR	Grid Receptor 1	G1	
647744	4075573	0.02449	160	1.5	3-HR	Grid Receptor 10	G10	
651344	4075573	0.1171	252.9	1.5	3-HR	Grid Receptor 100	G100	
648144	4079173	0.05487	165.9	1.5	3-HR	Grid Receptor 11	G11	
648144	4078773	0.06709	159.6	1.5	3-HR	Grid Receptor 12	G12	

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 3-hr 2020

14:01:41

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.06544	146.2	1.5	3-HR	Grid Receptor 13	G13
648144	4077973	0.04585	158.3	1.5	3-HR	Grid Receptor 14	G14
648144	4077573	0.0626	166.6	1.5	3-HR	Grid Receptor 15	G15
648144	4077173	0.06202	175.4	1.5	3-HR	Grid Receptor 16	G16
648144	4076773	0.05438	177.1	1.5	3-HR	Grid Receptor 17	G17
648144	4076373	0.02658	178	1.5	3-HR	Grid Receptor 18	G18
648144	4075973	0.02923	173	1.5	3-HR	Grid Receptor 19	G19
647744	4078773	0.05048	145.4	1.5	3-HR	Grid Receptor 2	G2
648144	4075573	0.04288	168.8	1.5	3-HR	Grid Receptor 20	G20
648544	4079173	0.03298	173.5	1.5	3-HR	Grid Receptor 21	G21
648544	4078773	0.03902	166.2	1.5	3-HR	Grid Receptor 22	G22
648544	4078373	0.05752	145.4	1.5	3-HR	Grid Receptor 23	G23
648544	4077973	0.07997	173.9	1.5	3-HR	Grid Receptor 24	G24
648544	4077573	0.06741	179.6	1.5	3-HR	Grid Receptor 25	G25
648544	4077173	0.11073	191	1.5	3-HR	Grid Receptor 26	G26
648544	4076773	0.07438	209.2	1.5	3-HR	Grid Receptor 27	G27
648544	4076373	0.05155	233.7	1.5	3-HR	Grid Receptor 28	G28
648544	4075973	0.03634	199.9	1.5	3-HR	Grid Receptor 29	G29
647744	4078373	0.03625	144.4	1.5	3-HR	Grid Receptor 3	G3
648544	4075573	0.05565	195.5	1.5	3-HR	Grid Receptor 30	G30
648944	4079173	0.03911	190.4	1.5	3-HR	Grid Receptor 31	G31
648944	4078773	0.03533	165.4	1.5	3-HR	Grid Receptor 32	G32
648944	4078373	0.03092	159.6	1.5	3-HR	Grid Receptor 33	G33
648944	4077973	0.03439	183.5	1.5	3-HR	Grid Receptor 34	G34
648944	4077573	0.06223	224	1.5	3-HR	Grid Receptor 35	G35
648944	4076373	0.04372	205	1.5	3-HR	Grid Receptor 38	G38
648944	4075973	0.1663	208.8	1.5	3-HR	Grid Receptor 39	G39
647744	4077973	0.04594	134.6	1.5	3-HR	Grid Receptor 4	G4
648944	4075573	0.03685	185.6	1.5	3-HR	Grid Receptor 40	G40
649344	4079173	0.02374	187.4	1.5	3-HR	Grid Receptor 41	G41
649344	4078773	0.02235	160.9	1.5	3-HR	Grid Receptor 42	G42
649344	4078373	0.02569	200.5	1.5	3-HR	Grid Receptor 43	G43

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* PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.02715	229	1.5	3-HR	Grid Receptor 44	G44
649344	4077573	0.32037	253.3	1.5	3-HR	Grid Receptor 45	G45
649344	4076373	0.33455	220.2	1.5	3-HR	Grid Receptor 48	G48
649344	4075973	0.10805	227.2	1.5	3-HR	Grid Receptor 49	G49
647744	4077573	0.03941	163.8	1.5	3-HR	Grid Receptor 5	G5
649344	4075573	0.05499	205.5	1.5	3-HR	Grid Receptor 50	G50
649744	4079173	0.02606	176.1	1.5	3-HR	Grid Receptor 51	G51
649744	4078773	0.02804	195	1.5	3-HR	Grid Receptor 52	G52
649744	4078373	0.02809	196.1	1.5	3-HR	Grid Receptor 53	G53
649744	4077973	0.02496	215.3	1.5	3-HR	Grid Receptor 54	G54
649744	4077573	0.01744	221.6	1.5	3-HR	Grid Receptor 55	G55
649744	4076373	0.2049	211.7	1.5	3-HR	Grid Receptor 58	G58
649744	4075973	0.11806	237.7	1.5	3-HR	Grid Receptor 59	G59
647744	4077173	0.03956	158.4	1.5	3-HR	Grid Receptor 6	G6
649744	4075573	0.06767	204.2	1.5	3-HR	Grid Receptor 60	G60
650144	4079173	0.02975	173	1.5	3-HR	Grid Receptor 61	G61
650144	4078773	0.02225	171	1.5	3-HR	Grid Receptor 62	G62
650144	4078373	0.01999	204.6	1.5	3-HR	Grid Receptor 63	G63
650144	4077973	0.01423	216.5	1.5	3-HR	Grid Receptor 64	G64
650144	4077573	0.24911	257.7	1.5	3-HR	Grid Receptor 65	G65
650144	4076373	0.09217	231.4	1.5	3-HR	Grid Receptor 68	G68
650144	4075973	0.18292	249.4	1.5	3-HR	Grid Receptor 69	G69
647744	4076773	0.04527	164.7	1.5	3-HR	Grid Receptor 7	G7
650144	4075573	0.0628	216.4	1.5	3-HR	Grid Receptor 70	G70
650544	4079173	0.01685	177	1.5	3-HR	Grid Receptor 71	G71
650544	4078773	0.01031	180.9	1.5	3-HR	Grid Receptor 72	G72
650544	4078373	0.012	196.6	1.5	3-HR	Grid Receptor 73	G73
650544	4077973	0.0175	236.9	1.5	3-HR	Grid Receptor 74	G74
650544	4077573	0.13688	261.3	1.5	3-HR	Grid Receptor 75	G75
650544	4076373	0.22438	260.9	1.5	3-HR	Grid Receptor 78	G78
650544	4075973	0.10452	226.7	1.5	3-HR	Grid Receptor 79	G79
647744	4076373	0.02214	164	1.5	3-HR	Grid Receptor 8	G8

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PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
4075573	0.42915	268.2	1.5	3-HR	Grid Receptor 80	G80	PM
4079173	0.00958	181.3	1.5	3-HR	Grid Receptor 81	G81	
4078773	0.01102	178.4	1.5	3-HR	Grid Receptor 82	G82	
4078373	0.01209	214.8	1.5	3-HR	Grid Receptor 83	G83	7
4077973	0.06767	249.9	1.5	3-HR	Grid Receptor 84	G84	
4077573	0.22397	276.5	1.5	3-HR	Grid Receptor 85	G85	
4077173	0.06007	225.6	1.5	3-HR	Grid Receptor 86	G86	
4076773	0.0697	219.8	1.5	3-HR	Grid Receptor 87	G87	
4076373	0.07749	209.2	1.5	3-HR	Grid Receptor 88	G88	
4075973	0.0648	216.6	1.5	3-HR	Grid Receptor 89	G89	
4075973	0.02167	160.7	1.5	3-HR	Grid Receptor 9	G9	
4075573	0.07157	243.2	1.5	3-HR	Grid Receptor 90	G90	
4079173	0.01042	191	1.5	3-HR	Grid Receptor 91	G91	
4078773	0.0114	181	1.5	3-HR	Grid Receptor 92	G92	
4078373	0.02435	214.3	1.5	3-HR	Grid Receptor 93	G93	
4077973	0.06071	248.4	1.5	3-HR	Grid Receptor 94	G94	
4077573	0.04638	213.2	1.5	3-HR	Grid Receptor 95	G95	
4077173	0.04879	213.6	1.5	3-HR	Grid Receptor 96	G96	
4076773	0.05733	203.5	1.5	3-HR	Grid Receptor 97	G97	
4076373	0.06165	205.6	1.5	3-HR	Grid Receptor 98	G98	7
4075973	0.05405	205.8	1.5	3-HR	Grid Receptor 99	G99	
4077523	0.06915	183.61	1.5	3-HR	Boundary Perimeter 1	P1	
4077537	0.29651	254.01	1.5	3-HR	Boundary Perimeter 10	P10	
4077539	0.02369	235.3	1.5	3-HR	Boundary Perimeter 11	P11	
4077540	0.01953	221.29	1.5	3-HR	Boundary Perimeter 12	P12	
4077541	0.02091	222.37	1.5	3-HR	Boundary Perimeter 13	P13	
4077542	0.02527	233.6	1.5	3-HR	Boundary Perimeter 14	P14	
4077543	0.15618	249.54	1.5	3-HR	Boundary Perimeter 15	P15	
4077546	0.3448	258.89	1.5	3-HR	Boundary Perimeter 16	P16	
4077548	0.18238	259.56	1.5	3-HR	Boundary Perimeter 17	P17	
4077550	0.1616	256.77	1.5	3-HR	Boundary Perimeter 18	P18	
				3-HR	Boundary Perimeter 19		
	4075573 4079173 4078773 4078773 4077573 4077573 4077573 4076773 4076773 4075973 4075973 4075973 4075973 4078773 4078773 4077573 4077573 4077573 4077573 4077573 4077573 4077573 4077573 4077573 4077573 4077573 4077573 4077573 4077540 4077540 4077541 4077542 4077548	4075573 0.42915 4079173 0.00958 4078773 0.01102 4078373 0.01209 4077973 0.06767 4077573 0.22397 4077173 0.06007 4076773 0.0697 4076373 0.0749 4075973 0.0648 4075973 0.02167 4075573 0.07157 4079173 0.01042 4078773 0.0114 4078373 0.02435 4077973 0.06071 4077573 0.04638 4077173 0.04879 4076773 0.05733 4076373 0.05165 4077523 0.06915 4077539 0.02369 4077540 0.01953 4077541 0.02091 4077542 0.02527 4077548 0.18238	4075573 0.42915 268.2 4079173 0.00958 181.3 4078773 0.01102 178.4 4078373 0.01209 214.8 4077973 0.06767 249.9 4077573 0.22397 276.5 4076173 0.06007 225.6 4076773 0.0697 219.8 4076373 0.07749 209.2 4075973 0.0648 216.6 4075973 0.0648 216.6 4075973 0.02167 160.7 4075573 0.07157 243.2 4079173 0.01042 191 4078373 0.0114 181 4078373 0.02435 214.3 4077973 0.06071 248.4 4077573 0.04638 213.2 4077173 0.04879 213.6 4076773 0.05733 203.5 4076373 0.05405 205.8 4077523 0.06915 183.61 407753	4075573 0.42915 268.2 1.5 4079173 0.00958 181.3 1.5 4078773 0.01102 178.4 1.5 4078373 0.01209 214.8 1.5 4077973 0.06767 249.9 1.5 4077573 0.22397 276.5 1.5 4077173 0.06007 225.6 1.5 4076773 0.0697 219.8 1.5 4076373 0.07749 209.2 1.5 4075973 0.0648 216.6 1.5 4075973 0.02167 160.7 1.5 4075973 0.02167 160.7 1.5 4075973 0.01042 191 1.5 4078773 0.01042 191 1.5 4078773 0.0114 181 1.5 4078373 0.02435 214.3 1.5 4077973 0.06071 248.4 1.5 4077573 0.04638 213.2 1.5 <t< td=""><td>4075573 0.42915 268.2 1.5 3-HR 4079173 0.00958 181.3 1.5 3-HR 4078773 0.01102 178.4 1.5 3-HR 4078373 0.01209 214.8 1.5 3-HR 4077973 0.06767 249.9 1.5 3-HR 4077573 0.22397 276.5 1.5 3-HR 4077173 0.06007 225.6 1.5 3-HR 4076773 0.0697 219.8 1.5 3-HR 4076373 0.0697 219.8 1.5 3-HR 4076373 0.0648 216.6 1.5 3-HR 4075973 0.0648 216.6 1.5 3-HR 4075973 0.02167 160.7 1.5 3-HR 4075573 0.07157 243.2 1.5 3-HR 4079173 0.01042 191 1.5 3-HR 4078773 0.0144 181 1.5 3-HR 4077573</td><td>4075573 0.42915 268.2 1.5 3-HR Grid Receptor 80 4079173 0.00958 181.3 1.5 3-HR Grid Receptor 81 4078773 0.01102 178.4 1.5 3-HR Grid Receptor 82 4078373 0.01209 214.8 1.5 3-HR Grid Receptor 83 4077973 0.06767 249.9 1.5 3-HR Grid Receptor 84 4077573 0.22397 276.5 1.5 3-HR Grid Receptor 85 4077173 0.06007 225.6 1.5 3-HR Grid Receptor 86 4076773 0.0697 219.8 1.5 3-HR Grid Receptor 87 4076373 0.0648 216.6 1.5 3-HR Grid Receptor 88 4075973 0.0648 216.6 1.5 3-HR Grid Receptor 89 4075573 0.02167 160.7 1.5 3-HR Grid Receptor 90 4075773 0.0114 181 1.5 3-HR Grid Receptor 90 4</td><td>4075573 0.42915 268.2 1.5 3-HR Grid Receptor 80 G80 4079173 0.00958 181.3 1.5 3-HR Grid Receptor 81 G81 4078773 0.01102 178.4 1.5 3-HR Grid Receptor 82 G82 4078373 0.01209 214.8 1.5 3-HR Grid Receptor 83 G83 4077973 0.06767 249.9 1.5 3-HR Grid Receptor 84 G84 4077573 0.22397 276.5 1.5 3-HR Grid Receptor 85 G85 4076773 0.06007 225.6 1.5 3-HR Grid Receptor 86 G86 4076737 0.06007 219.8 1.5 3-HR Grid Receptor 87 G87 4076373 0.07049 209.2 1.5 3-HR Grid Receptor 88 G88 4075973 0.0648 216.6 1.5 3-HR Grid Receptor 89 G89 4075573 0.07157 243.2 1.5 3-HR Grid Rec</td></t<>	4075573 0.42915 268.2 1.5 3-HR 4079173 0.00958 181.3 1.5 3-HR 4078773 0.01102 178.4 1.5 3-HR 4078373 0.01209 214.8 1.5 3-HR 4077973 0.06767 249.9 1.5 3-HR 4077573 0.22397 276.5 1.5 3-HR 4077173 0.06007 225.6 1.5 3-HR 4076773 0.0697 219.8 1.5 3-HR 4076373 0.0697 219.8 1.5 3-HR 4076373 0.0648 216.6 1.5 3-HR 4075973 0.0648 216.6 1.5 3-HR 4075973 0.02167 160.7 1.5 3-HR 4075573 0.07157 243.2 1.5 3-HR 4079173 0.01042 191 1.5 3-HR 4078773 0.0144 181 1.5 3-HR 4077573	4075573 0.42915 268.2 1.5 3-HR Grid Receptor 80 4079173 0.00958 181.3 1.5 3-HR Grid Receptor 81 4078773 0.01102 178.4 1.5 3-HR Grid Receptor 82 4078373 0.01209 214.8 1.5 3-HR Grid Receptor 83 4077973 0.06767 249.9 1.5 3-HR Grid Receptor 84 4077573 0.22397 276.5 1.5 3-HR Grid Receptor 85 4077173 0.06007 225.6 1.5 3-HR Grid Receptor 86 4076773 0.0697 219.8 1.5 3-HR Grid Receptor 87 4076373 0.0648 216.6 1.5 3-HR Grid Receptor 88 4075973 0.0648 216.6 1.5 3-HR Grid Receptor 89 4075573 0.02167 160.7 1.5 3-HR Grid Receptor 90 4075773 0.0114 181 1.5 3-HR Grid Receptor 90 4	4075573 0.42915 268.2 1.5 3-HR Grid Receptor 80 G80 4079173 0.00958 181.3 1.5 3-HR Grid Receptor 81 G81 4078773 0.01102 178.4 1.5 3-HR Grid Receptor 82 G82 4078373 0.01209 214.8 1.5 3-HR Grid Receptor 83 G83 4077973 0.06767 249.9 1.5 3-HR Grid Receptor 84 G84 4077573 0.22397 276.5 1.5 3-HR Grid Receptor 85 G85 4076773 0.06007 225.6 1.5 3-HR Grid Receptor 86 G86 4076737 0.06007 219.8 1.5 3-HR Grid Receptor 87 G87 4076373 0.07049 209.2 1.5 3-HR Grid Receptor 88 G88 4075973 0.0648 216.6 1.5 3-HR Grid Receptor 89 G89 4075573 0.07157 243.2 1.5 3-HR Grid Rec

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* PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.08618	197.16	1.5	3-HR	Boundary Perimeter 2	P2
650484	4077554	0.04278	242.23	1.5	3-HR	Boundary Perimeter 20	P20
650584	4077557	0.11112	259.71	1.5	3-HR	Boundary Perimeter 21	P21
650684	4077559	0.12154	257.58	1.5	3-HR	Boundary Perimeter 22	P22
650777	4077554	0.22376	267.9	1.5	3-HR	Boundary Perimeter 23	P23
650779	4077454	0.2038	275.91	1.5	3-HR	Boundary Perimeter 24	P24
650781	4077354	0.19658	265.73	1.5	3-HR	Boundary Perimeter 25	P25
650783	4077254	0.09588	251.08	1.5	3-HR	Boundary Perimeter 26	P26
650785	4077154	0.10968	252.83	1.5	3-HR	Boundary Perimeter 27	P27
650787	4077054	0.06187	246.1	1.5	3-HR	Boundary Perimeter 28	P28
650789	4076954	0.06907	241.37	1.5	3-HR	Boundary Perimeter 29	P29
648784	4077527	0.09387	209.74	1.5	3-HR	Boundary Perimeter 3	Р3
650791	4076854	0.08378	246.79	1.5	3-HR	Boundary Perimeter 30	P30
650794	4076754	0.07426	228.75	1.5	3-HR	Boundary Perimeter 31	P31
650754	4076683	0.07656	217.76	1.5	3-HR	Boundary Perimeter 32	P32
650660	4076650	0.08202	221.2	1.5	3-HR	Boundary Perimeter 33	P33
650561	4076650	0.08497	220.83	1.5	3-HR	Boundary Perimeter 34	P34
650463	4076666	0.08606	223.42	1.5	3-HR	Boundary Perimeter 35	P35
650364	4076682	0.08424	222.46	1.5	3-HR	Boundary Perimeter 36	P36
650264	4076683	0.08449	223.19	1.5	3-HR	Boundary Perimeter 37	P37
650165	4076674	0.08716	222.1	1.5	3-HR	Boundary Perimeter 38	P38
650066	4076660	0.09267	217.03	1.5	3-HR	Boundary Perimeter 39	P39
648884	4077529	0.08059	214.25	1.5	3-HR	Boundary Perimeter 4	P4
649980	4076627	0.10383	214.82	1.5	3-HR	Boundary Perimeter 40	P40
649920	4076547	0.1593	214.91	1.5	3-HR	Boundary Perimeter 41	P41
649852	4076474	0.15602	214.09	1.5	3-HR	Boundary Perimeter 42	P42
649771	4076417	0.17344	211.53	1.5	3-HR	Boundary Perimeter 43	P43
649680	4076375	0.27538	210.17	1.5	3-HR	Boundary Perimeter 44	P44
649581	4076368	0.25629	208.52	1.5	3-HR	Boundary Perimeter 45	P45
649482	4076384	0.30266	207.5	1.5	3-HR	Boundary Perimeter 46	P46
649392	4076425	0.35013	205.17	1.5	3-HR	Boundary Perimeter 47	P47
649304	4076472	0.12612	202.16	1.5	3-HR	Boundary Perimeter 48	P48

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* AERMET (21112): Future Flare (1.5m) SO2 3-hr 2020

14:01:41

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.09145	196.38	1.5	3-HR	Boundary Perimeter 49	P49
648984	4077530	0.05562	221.41	1.5	3-HR	Boundary Perimeter 5	P5
649156	4076605	0.15791	195.87	1.5	3-HR	Boundary Perimeter 50	P50
649068	4076653	0.20218	196.32	1.5	3-HR	Boundary Perimeter 51	P51
648987	4076711	0.16709	192.42	1.5	3-HR	Boundary Perimeter 52	P52
648937	4076759	0.15196	192.46	1.5	3-HR	Boundary Perimeter 53	P53
648869	4076833	0.15652	191.63	1.5	3-HR	Boundary Perimeter 54	P54
648797	4076902	0.15923	186.32	1.5	3-HR	Boundary Perimeter 55	P55
648711	4076952	0.13164	179.81	1.5	3-HR	Boundary Perimeter 56	P56
648621	4076996	0.10467	176.23	1.5	3-HR	Boundary Perimeter 57	P57
648607	4077051	0.11962	175.02	1.5	3-HR	Boundary Perimeter 58	P58
648680	4077119	0.11166	180.62	1.5	3-HR	Boundary Perimeter 59	P59
649084	4077532	0.04902	216.54	1.5	3-HR	Boundary Perimeter 6	P6
648759	4077180	0.09442	183.47	1.5	3-HR	Boundary Perimeter 60	P60
648791	4077262	0.10398	202.88	1.5	3-HR	Boundary Perimeter 61	P61
648788	4077362	0.07904	178.21	1.5	3-HR	Boundary Perimeter 62	P62
648691	4077361	0.06624	176.25	1.5	3-HR	Boundary Perimeter 63	P63
648591	4077357	0.08244	176	1.5	3-HR	Boundary Perimeter 64	P64
648526	4077371	0.09023	175.24	1.5	3-HR	Boundary Perimeter 65	P65
648587	4077430	0.06023	175.13	1.5	3-HR	Boundary Perimeter 66	P66
649184	4077534	0.03197	230.71	1.5	3-HR	Boundary Perimeter 7	P7
649284	4077535	0.1394	248.08	1.5	3-HR	Boundary Perimeter 8	P8
649384	4077536	0.39754	258.43	1.5	3-HR	Boundary Perimeter 9	P9
645930	4077983	0.02795	127.38	1.5	3-HR	New Development	RP_G1
645930	4078083	0.03161	127.58	1.5	3-HR	New Development	RP_G10
646030	4078083	0.03344	130.56	1.5	3-HR	New Development	RP_G11
646130	4078083	0.03501	134.35	1.5	3-HR	New Development	RP_G12
646230	4078083	0.03625	139.22	1.5	3-HR	New Development	RP_G13
646330	4078083	0.03704	144.65	1.5	3-HR	New Development	RP_G14
646430	4078083	0.03657	142.28	1.5	3-HR	New Development	RP_G15
646530	4078083	0.03597	146.76	1.5	3-HR	New Development	RP_G16
646630	4078083	0.0346	150.64	1.5	3-HR	New Development	RP_G17

09/30/21

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14:01:41

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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
646730	4078083	0.03345	155.4	1.5	3-HR	New Development	RP_G18	
645930	4078183	0.03372	127.22	1.5	3-HR	New Development	RP_G19	1
646030	4077983	0.03036	131.21	1.5	3-HR	New Development	RP_G2	
646030	4078183	0.03478	130.56	1.5	3-HR	New Development	RP_G20	1
646130	4078183	0.03537	133.89	1.5	3-HR	New Development	RP_G21	
646230	4078183	0.03569	140.45	1.5	3-HR	New Development	RP_G22	1
646330	4078183	0.03543	146.94	1.5	3-HR	New Development	RP_G23	
646430	4078183	0.03348	140.23	1.5	3-HR	New Development	RP_G24	
646530	4078183	0.03196	147.25	1.5	3-HR	New Development	RP_G25	
646630	4078183	0.0315	151.56	1.5	3-HR	New Development	RP_G26	1
646730	4078183	0.0307	157.78	1.5	3-HR	New Development	RP_G27	
645930	4078283	0.03402	126.06	1.5	3-HR	New Development	RP_G28	
646030	4078283	0.03414	129.56	1.5	3-HR	New Development	RP_G29	
646130	4077983	0.03271	135.89	1.5	3-HR	New Development	RP_G3	
646130	4078283	0.03374	132.89	1.5	3-HR	New Development	RP_G30	
646230	4078283	0.03299	139.24	1.5	3-HR	New Development	RP_G31	
646330	4078283	0.03148	142.68	1.5	3-HR	New Development	RP_G32	
646430	4078283	0.02989	140.02	1.5	3-HR	New Development	RP_G33	1
646530	4078283	0.0294	147.22	1.5	3-HR	New Development	RP_G34	
646630	4078283	0.02822	151.56	1.5	3-HR	New Development	RP_G35	1
646730	4078283	0.02895	156.78	1.5	3-HR	New Development	RP_G36	
646230	4077983	0.03474	139.18	1.5	3-HR	New Development	RP_G4	
646330	4077983	0.03628	140.76	1.5	3-HR	New Development	RP_G5	
646430	4077983	0.03746	143.89	1.5	3-HR	New Development	RP_G6	
646530	4077983	0.03789	145.22	1.5	3-HR	New Development	RP_G7	
646630	4077983	0.03765	147.21	1.5	3-HR	New Development	RP_G8	
646730	4077983	0.03655	148.3	1.5	3-HR	New Development	RP_G9	
648659	4077241	0.12766	205.79	1.5	3-HR	House 1	RP_H1	N
648071	4076116	0.02492	169.6	1.5	3-HR	House 10	RP_H10	
648247	4076278	0.02831	184.55	1.5	3-HR	House 11	RP_H11	
648027	4076255	0.02604	169.38	1.5	3-HR	House 12	RP_H12	
648066	4076359	0.02584	173.83	1.5	3-HR	House 13	RP_H13	

09/30/21

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.02607	178.22	1.5	3-HR	House 14	RP H14
648255	4076411	0.0277	191.28	1.5	3-HR	House 15	RP H15
647878	4076365	0.02356	165.39	1.5	3-HR	House 16	RP H16
647520	4076206	0.02188	159	1.5	3-HR	House 17	RP H17
647921	4076247	0.025	164	1.5	3-HR	House 18	RP H18
647709	4076352	0.02215	163.52	1.5	3-HR	House 19	RP_H19
648372	4075470	0.05724	173.69	1.5	3-HR	House 2	RP_H2
647704	4076251	0.02317	162.17	1.5	3-HR	House 20	RP_H20
647719	4076104	0.02313	159.35	1.5	3-HR	House 21	RP_H21
647843	4076125	0.02405	163	1.5	3-HR	House 22	RP_H22
647842	4076500	0.02061	167.93	1.5	3-HR	House 23	RP_H23
647728	4076644	0.03245	164.15	1.5	3-HR	House 24	RP_H24
647824	4076644	0.03443	168.29	1.5	3-HR	House 25	RP_H25
647530	4076497	0.02112	159.56	1.5	3-HR	House 26	RP_H26
647810	4076854	0.05082	162.9	1.5	3-HR	House 27	RP_H27
647697	4076989	0.04956	161.42	1.5	3-HR	House 28	RP_H28
648226	4076182	0.02699	183.22	1.5	3-HR	House 29	RP_H29
647678	4075969	0.02148	159.5	1.5	3-HR	House 3	RP_H3
645876	4077487	0.03088	127.13	1.5	3-HR	House 30	RP_H30
650902	4076062	0.05911	215.24	1.5	3-HR	House 31	RP_H31
651490	4076597	0.05728	205.5	1.5	3-HR	House 32	RP_H32
651565	4077067	0.04534	213.93	1.5	3-HR	House 33	RP_H33
648673	4075307	0.05072	225.91	1.5	3-HR	House 34	RP_H34
648384	4075469	0.05686	174.44	1.5	3-HR	House 35	RP_H35
646379	4077233	0.03643	146	1.5	3-HR	House 36	RP_H36
651850	4075865	0.04501	201.97	1.5	3-HR	House 37	RP_H37
652045	4076210	0.03969	196.88	1.5	3-HR	House 38	RP_H38
652256	4076391	0.04194	197.06	1.5	3-HR	House 39	RP_H39
647815	4075985	0.02198	162.04	1.5	3-HR	House 4	RP_H4
646854	4077373	0.03438	145.99	1.5	3-HR	House 40	RP_H40
647050	4077360	0.0335	145	1.5	3-HR	House 41	RP_H41
647286	4077474	0.03835	149.68	1.5	3-HR	House 42	RP_H42

09/30/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.0324	154.45	1.5	3-HR	House 43	RP_H43
647490	4077329	0.03648	162.28	1.5	3-HR	House 44	RP_H44
647522	4077252	0.03554	164.3	1.5	3-HR	House 45	RP_H45
647518	4077139	0.04349	164.01	1.5	3-HR	House 46	RP_H46
646819	4077258	0.03893	151.53	1.5	3-HR	House 47	RP_H47
646779	4077128	0.04079	158.51	1.5	3-HR	House 48	RP_H48
646987	4077213	0.04	146.44	1.5	3-HR	House 49	RP_H49
647898	4076033	0.02297	163.83	1.5	3-HR	House 5	RP_H5
647242	4077227	0.03972	154.85	1.5	3-HR	House 50	RP_H50
646773	4077063	0.04003	159	1.5	3-HR	House 51	RP_H51
647104	4077118	0.04268	148.99	1.5	3-HR	House 52	RP_H52
647292	4077123	0.0443	158.62	1.5	3-HR	House 53	RP_H53
646765	4076978	0.03751	158.67	1.5	3-HR	House 54	RP_H54
646996	4076984	0.04064	152.34	1.5	3-HR	House 55	RP_H55
647317	4077031	0.0463	160.22	1.5	3-HR	House 56	RP_H56
647398	4077013	0.04727	161.26	1.5	3-HR	House 57	RP_H57
646979	4076904	0.03765	156.81	1.5	3-HR	House 58	RP_H58
647015	4076807	0.03281	156.21	1.5	3-HR	House 59	RP_H59
648045	4076018	0.02585	168.26	1.5	3-HR	House 6	RP_H6
647164	4076802	0.0349	154.38	1.5	3-HR	House 60	RP_H60
647311	4076940	0.04533	162.49	1.5	3-HR	House 61	RP_H61
647298	4076805	0.03787	158	1.5	3-HR	House 62	RP_H62
647447	4076900	0.04595	159.45	1.5	3-HR	House 63	RP_H63
647464	4076781	0.03951	159.32	1.5	3-HR	House 64	RP_H64
647512	4076536	0.02229	159	1.5	3-HR	House 65	RP_H65
651131	4078767	0.01102	179.58	1.5	3-HR	House 66	RP_H66
647131	4077336	0.03411	146.77	1.5	3-HR	House 67	RP_H67
646798	4076740	0.02536	156.07	1.5	3-HR	House 68	RP_H68
646900	4076802	0.03084	159	1.5	3-HR	House 69	RP_H69
648126	4075955	0.02909	171.51	1.5	3-HR	House 7	RP_H7
647317	4076662	0.02728	159.9	1.5	3-HR	House 70	RP_H70
648249	4075970	0.03135	183.42	1.5	3-HR	House 8	RP_H8

09/30/21

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.02774	182.28	1.5	3-HR	House 9	RP_H9

09/30/21

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14:01:41

- PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.00739	123.85	1.5	24-HR	AQ Monitoring Station	AQ_ST_1	1
643904	4077719	0.00443	105.68	1.5	24-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	1
642057	4079416	0.00357	85.12	1.5	24-HR	Dunne Park	CR_PK_1	1
642179	4079950	0.00475	117.99	1.5	24-HR	Vista Park Hill Park	CR_PK_2	1
644733	4078753	0.0077	106.44	1.5	24-HR	Las Brisas Park	CR_PK_3	1
645609	4078854	0.00764	112.86	1.5	24-HR	Frank Klauer Memorial Park	CR_PK_4	1
644238	4078807	0.00611	95.25	1.5	24-HR	Veterans Memorial Park	CR_PK_5	1
645311	4076559	0.0037	134.61	1.5	24-HR	Park 6	CR_PK_6	1
649582	4073424	0.00596	159.96	1.5	24-HR	Park 7	CR_PK_7	1
645145	4077181	0.00311	133	1.5	24-HR	Cerra Vista Elem School	CR_SC_1	1
642905	4079955	0.00568	86	1.5	24-HR	San Andreas Continuation	CR_SC_10	1
645851	4074015	0.00306	123	1.5	24-HR	SouthSide School	CR_SC_11	1
642106	4078176	0.00441	91	1.5	24-HR	School 12	CR SC 12	
646059	4078443	0.01001	128.52	1.5	24-HR	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.00275	158	1.5	24-HR	Future School	CR_SC_14	School 2
648466	4074106	0.00465	159	1.5	24-HR	Tres Pinos Union Elementary School	CR_SC_15	1
644110	4078389	0.00474	98.2	1.5	24-HR	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.00291	101.23	1.5	24-HR	Hollister Montessori School	CR_SC_3	1
642961	4078621	0.0045	92	1.5	24-HR	Rancho San Justo Middle School	CR_SC_4	1
643980	4079743	0.00587	88	1.5	24-HR	Marguerite Maze Middle School	CR_SC_5	1
641630	4079153	0.00384	85	1.5	24-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.00294	98.22	1.5	24-HR	Ladd Lane Elementary School	CR_SC_7	1
644003	4080079	0.00435	87	1.5	24-HR	Gabilan Hills Elementary School	CR_SC_8	1
642245	4078413	0.0048	90.17	1.5	24-HR	San Benito High School	CR_SC_9	1
642083	4079794	0.00418	87.58	1.5	24-HR	Jovenes De Antano	CR_SR_1	1
646402	4076879	0.00361	146.33	1.5	24-HR	Workplace	CR_WP_1	1
648949	4077938	0.01108	189.45	1.5	24-HR	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.01058	155.2	1.5	24-HR	Grid Receptor 1	<u>-</u> G1	1
647744	4075573	0.00322	160	1.5	24-HR	Grid Receptor 10	G10	1
651344	4075573	0.0235	252.9	1.5	24-HR	Grid Receptor 100	G100	1
648144	4079173	0.00704	165.9	1.5	24-HR	Grid Receptor 11	G11	1
648144	4078773	0.00921	159.6	1.5	24-HR	Grid Receptor 12	G12	1

09/30/21

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14:01:41

* MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.01476	146.2	1.5	24-HR	Grid Receptor 13	G13
648144	4077973	0.01662	158.3	1.5	24-HR	Grid Receptor 14	G14
648144	4077573	0.01752	166.6	1.5	24-HR	Grid Receptor 15	G15
648144	4077173	0.02116	175.4	1.5	24-HR	Grid Receptor 16	G16
648144	4076773	0.01332	177.1	1.5	24-HR	Grid Receptor 17	G17
648144	4076373	0.00394	178	1.5	24-HR	Grid Receptor 18	G18
648144	4075973	0.00388	173	1.5	24-HR	Grid Receptor 19	G19
647744	4078773	0.01281	145.4	1.5	24-HR	Grid Receptor 2	G2
648144	4075573	0.00554	168.8	1.5	24-HR	Grid Receptor 20	G20
648544	4079173	0.00717	173.5	1.5	24-HR	Grid Receptor 21	G21
648544	4078773	0.00847	166.2	1.5	24-HR	Grid Receptor 22	G22
648544	4078373	0.00959	145.4	1.5	24-HR	Grid Receptor 23	G23
648544	4077973	0.0132	173.9	1.5	24-HR	Grid Receptor 24	G24
648544	4077573	0.02199	179.6	1.5	24-HR	Grid Receptor 25	G25
648544	4077173	0.02251	191	1.5	24-HR	Grid Receptor 26	G26
648544	4076773	0.04126	209.2	1.5	24-HR	Grid Receptor 27	G27
648544	4076373	0.01065	233.7	1.5	24-HR	Grid Receptor 28	G28
648544	4075973	0.00485	199.9	1.5	24-HR	Grid Receptor 29	G29
647744	4078373	0.01309	144.4	1.5	24-HR	Grid Receptor 3	G3
648544	4075573	0.00925	195.5	1.5	24-HR	Grid Receptor 30	G30
648944	4079173	0.00493	190.4	1.5	24-HR	Grid Receptor 31	G31
648944	4078773	0.00447	165.4	1.5	24-HR	Grid Receptor 32	G32
648944	4078373	0.00628	159.6	1.5	24-HR	Grid Receptor 33	G33
648944	4077973	0.01054	183.5	1.5	24-HR	Grid Receptor 34	G34
648944	4077573	0.01932	224	1.5	24-HR	Grid Receptor 35	G35
648944	4076373	0.00799	205	1.5	24-HR	Grid Receptor 38	G38
648944	4075973	0.03355	208.8	1.5	24-HR	Grid Receptor 39	G39
647744	4077973	0.01361	134.6	1.5	24-HR	Grid Receptor 4	G4
648944	4075573	0.00842	185.6	1.5	24-HR	Grid Receptor 40	G40
649344	4079173	0.00301	187.4	1.5	24-HR	Grid Receptor 41	G41
649344	4078773	0.00285	160.9	1.5	24-HR	Grid Receptor 42	G42
649344	4078373	0.00328	200.5	1.5	24-HR	Grid Receptor 43	G43

09/30/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00425	229	1.5	24-HR	Grid Receptor 44	G44
649344	4077573	0.0402	253.3	1.5	24-HR	Grid Receptor 45	G45
649344	4076373	0.09686	220.2	1.5	24-HR	Grid Receptor 48	G48
649344	4075973	0.04015	227.2	1.5	24-HR	Grid Receptor 49	G49
647744	4077573	0.01049	163.8	1.5	24-HR	Grid Receptor 5	G5
649344	4075573	0.01817	205.5	1.5	24-HR	Grid Receptor 50	G50
649744	4079173	0.0033	176.1	1.5	24-HR	Grid Receptor 51	G51
649744	4078773	0.00365	195	1.5	24-HR	Grid Receptor 52	G52
649744	4078373	0.00367	196.1	1.5	24-HR	Grid Receptor 53	G53
649744	4077973	0.0033	215.3	1.5	24-HR	Grid Receptor 54	G54
649744	4077573	0.0033	221.6	1.5	24-HR	Grid Receptor 55	G55
649744	4076373	0.09636	211.7	1.5	24-HR	Grid Receptor 58	G58
649744	4075973	0.0472	237.7	1.5	24-HR	Grid Receptor 59	G59
647744	4077173	0.01892	158.4	1.5	24-HR	Grid Receptor 6	G6
649744	4075573	0.01914	204.2	1.5	24-HR	Grid Receptor 60	G60
650144	4079173	0.00376	173	1.5	24-HR	Grid Receptor 61	G61
650144	4078773	0.00291	171	1.5	24-HR	Grid Receptor 62	G62
650144	4078373	0.00266	204.6	1.5	24-HR	Grid Receptor 63	G63
650144	4077973	0.00297	216.5	1.5	24-HR	Grid Receptor 64	G64
650144	4077573	0.03759	257.7	1.5	24-HR	Grid Receptor 65	G65
650144	4076373	0.04883	231.4	1.5	24-HR	Grid Receptor 68	G68
650144	4075973	0.04878	249.4	1.5	24-HR	Grid Receptor 69	G69
647744	4076773	0.00759	164.7	1.5	24-HR	Grid Receptor 7	G7
650144	4075573	0.02064	216.4	1.5	24-HR	Grid Receptor 70	G70
650544	4079173	0.00222	177	1.5	24-HR	Grid Receptor 71	G71
650544	4078773	0.00234	180.9	1.5	24-HR	Grid Receptor 72	G72
650544	4078373	0.00235	196.6	1.5	24-HR	Grid Receptor 73	G73
650544	4077973	0.00525	236.9	1.5	24-HR	Grid Receptor 74	G74
650544	4077573	0.03023	261.3	1.5	24-HR	Grid Receptor 75	G75
650544	4076373	0.05117	260.9	1.5	24-HR	Grid Receptor 78	G78
650544	4075973	0.03672	226.7	1.5	24-HR	Grid Receptor 79	G79
647744	4076373	0.00332	164	1.5	24-HR	Grid Receptor 8	G8

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 24-hr 2020

14:01:41

- * PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.07921	268.2	1.5	24-HR	Grid Receptor 80	G80
650944	4079173	0.00199	181.3	1.5	24-HR	Grid Receptor 81	G81
650944	4078773	0.00188	178.4	1.5	24-HR	Grid Receptor 82	G82
650944	4078373	0.00235	214.8	1.5	24-HR	Grid Receptor 83	G83
650944	4077973	0.0149	249.9	1.5	24-HR	Grid Receptor 84	G84
650944	4077573	0.02817	276.5	1.5	24-HR	Grid Receptor 85	G85
650944	4077173	0.01342	225.6	1.5	24-HR	Grid Receptor 86	G86
650944	4076773	0.01926	219.8	1.5	24-HR	Grid Receptor 87	G87
650944	4076373	0.03409	209.2	1.5	24-HR	Grid Receptor 88	G88
650944	4075973	0.02599	216.6	1.5	24-HR	Grid Receptor 89	G89
647744	4075973	0.00302	160.7	1.5	24-HR	Grid Receptor 9	G9
650944	4075573	0.02459	243.2	1.5	24-HR	Grid Receptor 90	G90
651344	4079173	0.00162	191	1.5	24-HR	Grid Receptor 91	G91
651344	4078773	0.00175	181	1.5	24-HR	Grid Receptor 92	G92
651344	4078373	0.00416	214.3	1.5	24-HR	Grid Receptor 93	G93
651344	4077973	0.00773	248.4	1.5	24-HR	Grid Receptor 94	G94
651344	4077573	0.01258	213.2	1.5	24-HR	Grid Receptor 95	G95
651344	4077173	0.01163	213.6	1.5	24-HR	Grid Receptor 96	G96
651344	4076773	0.01556	203.5	1.5	24-HR	Grid Receptor 97	G97
651344	4076373	0.02854	205.6	1.5	24-HR	Grid Receptor 98	G98
651344	4075973	0.01434	205.8	1.5	24-HR	Grid Receptor 99	G99
648584	4077523	0.02297	183.61	1.5	24-HR	Boundary Perimeter 1	P1
649484	4077537	0.05078	254.01	1.5	24-HR	Boundary Perimeter 10	P10
649584	4077539	0.00344	235.3	1.5	24-HR	Boundary Perimeter 11	P11
649684	4077540	0.00313	221.29	1.5	24-HR	Boundary Perimeter 12	P12
649784	4077541	0.00347	222.37	1.5	24-HR	Boundary Perimeter 13	P13
649884	4077542	0.00356	233.6	1.5	24-HR	Boundary Perimeter 14	P14
649984	4077543	0.02748	249.54	1.5	24-HR	Boundary Perimeter 15	P15
650084	4077546	0.05119	258.89	1.5	24-HR	Boundary Perimeter 16	P16
650184	4077548	0.04821	259.56	1.5	24-HR	Boundary Perimeter 17	P17
650284	4077550	0.04024	256.77	1.5	24-HR	Boundary Perimeter 18	P18
650384	4077552	0.00849	242.37	1.5	24-HR	Boundary Perimeter 19	P19

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.02298	197.16	1.5	24-HR	Boundary Perimeter 2	P2
650484	4077554	0.00943	242.23	1.5	24-HR	Boundary Perimeter 20	P20
650584	4077557	0.02177	259.71	1.5	24-HR	Boundary Perimeter 21	P21
650684	4077559	0.01542	257.58	1.5	24-HR	Boundary Perimeter 22	P22
650777	4077554	0.0282	267.9	1.5	24-HR	Boundary Perimeter 23	P23
650779	4077454	0.02647	275.91	1.5	24-HR	Boundary Perimeter 24	P24
650781	4077354	0.02745	265.73	1.5	24-HR	Boundary Perimeter 25	P25
650783	4077254	0.01841	251.08	1.5	24-HR	Boundary Perimeter 26	P26
650785	4077154	0.02041	252.83	1.5	24-HR	Boundary Perimeter 27	P27
650787	4077054	0.02062	246.1	1.5	24-HR	Boundary Perimeter 28	P28
650789	4076954	0.01725	241.37	1.5	24-HR	Boundary Perimeter 29	P29
648784	4077527	0.02007	209.74	1.5	24-HR	Boundary Perimeter 3	Р3
650791	4076854	0.02038	246.79	1.5	24-HR	Boundary Perimeter 30	P30
650794	4076754	0.02095	228.75	1.5	24-HR	Boundary Perimeter 31	P31
650754	4076683	0.02205	217.76	1.5	24-HR	Boundary Perimeter 32	P32
650660	4076650	0.02367	221.2	1.5	24-HR	Boundary Perimeter 33	P33
650561	4076650	0.02486	220.83	1.5	24-HR	Boundary Perimeter 34	P34
650463	4076666	0.02565	223.42	1.5	24-HR	Boundary Perimeter 35	P35
650364	4076682	0.02605	222.46	1.5	24-HR	Boundary Perimeter 36	P36
650264	4076683	0.02755	223.19	1.5	24-HR	Boundary Perimeter 37	P37
650165	4076674	0.02932	222.1	1.5	24-HR	Boundary Perimeter 38	P38
650066	4076660	0.03198	217.03	1.5	24-HR	Boundary Perimeter 39	P39
648884	4077529	0.0199	214.25	1.5	24-HR	Boundary Perimeter 4	P4
649980	4076627	0.03699	214.82	1.5	24-HR	Boundary Perimeter 40	P40
649920	4076547	0.05569	214.91	1.5	24-HR	Boundary Perimeter 41	P41
649852	4076474	0.07537	214.09	1.5	24-HR	Boundary Perimeter 42	P42
649771	4076417	0.06868	211.53	1.5	24-HR	Boundary Perimeter 43	P43
649680	4076375	0.10312	210.17	1.5	24-HR	Boundary Perimeter 44	P44
649581	4076368	0.10046	208.52	1.5	24-HR	Boundary Perimeter 45	P45
649482	4076384	0.11807	207.5	1.5	24-HR	Boundary Perimeter 46	P46
649392	4076425	0.10784	205.17	1.5	24-HR	Boundary Perimeter 47	P47
649304	4076472	0.02685	202.16	1.5	24-HR	Boundary Perimeter 48	P48

PMI

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.02325	196.38	1.5	24-HR	Boundary Perimeter 49	P49
648984	4077530	0.01915	221.41	1.5	24-HR	Boundary Perimeter 5	P5
649156	4076605	0.03291	195.87	1.5	24-HR	Boundary Perimeter 50	P50
649068	4076653	0.05896	196.32	1.5	24-HR	Boundary Perimeter 51	P51
648987	4076711	0.05873	192.42	1.5	24-HR	Boundary Perimeter 52	P52
648937	4076759	0.05126	192.46	1.5	24-HR	Boundary Perimeter 53	P53
648869	4076833	0.03876	191.63	1.5	24-HR	Boundary Perimeter 54	P54
648797	4076902	0.02946	186.32	1.5	24-HR	Boundary Perimeter 55	P55
648711	4076952	0.02635	179.81	1.5	24-HR	Boundary Perimeter 56	P56
648621	4076996	0.02462	176.23	1.5	24-HR	Boundary Perimeter 57	P57
648607	4077051	0.0227	175.02	1.5	24-HR	Boundary Perimeter 58	P58
648680	4077119	0.02879	180.62	1.5	24-HR	Boundary Perimeter 59	P59
649084	4077532	0.01462	216.54	1.5	24-HR	Boundary Perimeter 6	P6
648759	4077180	0.03174	183.47	1.5	24-HR	Boundary Perimeter 60	P60
648791	4077262	0.03173	202.88	1.5	24-HR	Boundary Perimeter 61	P61
648788	4077362	0.02261	178.21	1.5	24-HR	Boundary Perimeter 62	P62
648691	4077361	0.02518	176.25	1.5	24-HR	Boundary Perimeter 63	P63
648591	4077357	0.02569	176	1.5	24-HR	Boundary Perimeter 64	P64
648526	4077371	0.02497	175.24	1.5	24-HR	Boundary Perimeter 65	P65
648587	4077430	0.02399	175.13	1.5	24-HR	Boundary Perimeter 66	P66
649184	4077534	0.00849	230.71	1.5	24-HR	Boundary Perimeter 7	P7
649284	4077535	0.02332	248.08	1.5	24-HR	Boundary Perimeter 8	P8
649384	4077536	0.05946	258.43	1.5	24-HR	Boundary Perimeter 9	P9
645930	4077983	0.00803	127.38	1.5	24-HR	New Development	RP_G1
645930	4078083	0.0092	127.58	1.5	24-HR	New Development	RP_G10
646030	4078083	0.00993	130.56	1.5	24-HR	New Development	RP_G11
646130	4078083	0.01063	134.35	1.5	24-HR	New Development	RP_G12
646230	4078083	0.01126	139.22	1.5	24-HR	New Development	RP_G13
646330	4078083	0.01176	144.65	1.5	24-HR	New Development	RP_G14
646430	4078083	0.01203	142.28	1.5	24-HR	New Development	RP_G15
646530	4078083	0.01207	146.76	1.5	24-HR	New Development	RP_G16
646630	4078083	0.01184	150.64	1.5	24-HR	New Development	RP_G17

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
646730	4078083	0.01132	155.4	1.5	24-HR	New Development	RP_G18	
645930	4078183	0.01015	127.22	1.5	24-HR	New Development	RP_G19	1
646030	4077983	0.00876	131.21	1.5	24-HR	New Development	RP_G2	
646030	4078183	0.01072	130.56	1.5	24-HR	New Development	RP_G20	1
646130	4078183	0.01118	133.89	1.5	24-HR	New Development	RP_G21	
646230	4078183	0.01149	140.45	1.5	24-HR	New Development	RP_G22	1
646330	4078183	0.0116	146.94	1.5	24-HR	New Development	RP_G23	
646430	4078183	0.01144	140.23	1.5	24-HR	New Development	RP_G24	
646530	4078183	0.01106	147.25	1.5	24-HR	New Development	RP_G25	
646630	4078183	0.01043	151.56	1.5	24-HR	New Development	RP_G26	
646730	4078183	0.00959	157.78	1.5	24-HR	New Development	RP_G27	
645930	4078283	0.01065	126.06	1.5	24-HR	New Development	RP_G28	
646030	4078283	0.01094	129.56	1.5	24-HR	New Development	RP_G29	
646130	4077983	0.00955	135.89	1.5	24-HR	New Development	RP_G3	
646130	4078283	0.01107	132.89	1.5	24-HR	New Development	RP_G30	
646230	4078283	0.01101	139.24	1.5	24-HR	New Development	RP_G31]
646330	4078283	0.01075	142.68	1.5	24-HR	New Development	RP_G32	
646430	4078283	0.01025	140.02	1.5	24-HR	New Development	RP_G33	
646530	4078283	0.00957	147.22	1.5	24-HR	New Development	RP_G34	
646630	4078283	0.00872	151.56	1.5	24-HR	New Development	RP_G35	
646730	4078283	0.00776	156.78	1.5	24-HR	New Development	RP_G36	
646230	4077983	0.01036	139.18	1.5	24-HR	New Development	RP_G4	
646330	4077983	0.01113	140.76	1.5	24-HR	New Development	RP_G5	
646430	4077983	0.0118	143.89	1.5	24-HR	New Development	RP_G6	
646530	4077983	0.0123	145.22	1.5	24-HR	New Development	RP_G7	
646630	4077983	0.01257	147.21	1.5	24-HR	New Development	RP_G8	
646730	4077983	0.01254	148.3	1.5	24-HR	New Development	RP_G9	
648659	4077241	0.0354	205.79	1.5	24-HR	House 1	RP_H1	Ml
648071	4076116	0.00351	169.6	1.5	24-HR	House 10	RP_H10	
648247	4076278	0.004	184.55	1.5	24-HR	House 11	RP_H11	
648027	4076255	0.00363	169.38	1.5	24-HR	House 12	RP_H12	
648066	4076359	0.00375	173.83	1.5	24-HR	House 13	RP_H13	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.00398	178.22	1.5	24-HR	House 14	RP_H14
648255	4076411	0.00436	191.28	1.5	24-HR	House 15	RP_H15
647878	4076365	0.00346	165.39	1.5	24-HR	House 16	RP_H16
647520	4076206	0.00301	159	1.5	24-HR	House 17	RP H17
647921	4076247	0.00347	164	1.5	24-HR	House 18	RP_H18
647709	4076352	0.00325	163.52	1.5	24-HR	House 19	RP_H19
648372	4075470	0.00735	173.69	1.5	24-HR	House 2	RP_H2
647704	4076251	0.0032	162.17	1.5	24-HR	House 20	RP_H20
647719	4076104	0.0032	159.35	1.5	24-HR	House 21	RP_H21
647843	4076125	0.00334	163	1.5	24-HR	House 22	RP_H22
647842	4076500	0.00365	167.93	1.5	24-HR	House 23	RP_H23
647728	4076644	0.00444	164.15	1.5	24-HR	House 24	RP_H24
647824	4076644	0.00471	168.29	1.5	24-HR	House 25	RP_H25
647530	4076497	0.00329	159.56	1.5	24-HR	House 26	RP_H26
647810	4076854	0.01156	162.9	1.5	24-HR	House 27	RP_H27
647697	4076989	0.01502	161.42	1.5	24-HR	House 28	RP_H28
648226	4076182	0.00383	183.22	1.5	24-HR	House 29	RP_H29
647678	4075969	0.00299	159.5	1.5	24-HR	House 3	RP_H3
645876	4077487	0.00575	127.13	1.5	24-HR	House 30	RP_H30
650902	4076062	0.02293	215.24	1.5	24-HR	House 31	RP_H31
651490	4076597	0.02144	205.5	1.5	24-HR	House 32	RP_H32
651565	4077067	0.01249	213.93	1.5	24-HR	House 33	RP_H33
648673	4075307	0.01035	225.91	1.5	24-HR	House 34	RP_H34
648384	4075469	0.0073	174.44	1.5	24-HR	House 35	RP_H35
646379	4077233	0.00634	146	1.5	24-HR	House 36	RP_H36
651850	4075865	0.01203	201.97	1.5	24-HR	House 37	RP_H37
652045	4076210	0.01918	196.88	1.5	24-HR	House 38	RP_H38
652256	4076391	0.01971	197.06	1.5	24-HR	House 39	RP_H39
647815	4075985	0.00307	162.04	1.5	24-HR	House 4	RP_H4
646854	4077373	0.01011	145.99	1.5	24-HR	House 40	RP_H40
647050	4077360	0.01149	145	1.5	24-HR	House 41	RP_H41
647286	4077474	0.0127	149.68	1.5	24-HR	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.01408	154.45	1.5	24-HR	House 43	RP H43
647490	4077329	0.0153	162.28	1.5	24-HR	House 44	RP H44
647522	4077252	0.01611	164.3	1.5	24-HR	House 45	RP H45
647518	4077139	0.01539	164.01	1.5	24-HR	House 46	RP H46
646819	4077258	0.00918	151.53	1.5	24-HR	House 47	RP H47
646779	4077128	0.00753	158.51	1.5	24-HR	House 48	RP_H48
646987	4077213	0.01002	146.44	1.5	24-HR	House 49	RP_H49
647898	4076033	0.00321	163.83	1.5	24-HR	House 5	RP_H5
647242	4077227	0.01268	154.85	1.5	24-HR	House 50	RP_H50
646773	4077063	0.00667	159	1.5	24-HR	House 51	RP_H51
647104	4077118	0.00985	148.99	1.5	24-HR	House 52	RP_H52
647292	4077123	0.01199	158.62	1.5	24-HR	House 53	RP_H53
646765	4076978	0.00555	158.67	1.5	24-HR	House 54	RP_H54
646996	4076984	0.00683	152.34	1.5	24-HR	House 55	RP_H55
647317	4077031	0.01051	160.22	1.5	24-HR	House 56	RP_H56
647398	4077013	0.01107	161.26	1.5	24-HR	House 57	RP_H57
646979	4076904	0.00555	156.81	1.5	24-HR	House 58	RP_H58
647015	4076807	0.00449	156.21	1.5	24-HR	House 59	RP_H59
648045	4076018	0.00345	168.26	1.5	24-HR	House 6	RP_H6
647164	4076802	0.00494	154.38	1.5	24-HR	House 60	RP_H60
647311	4076940	0.00839	162.49	1.5	24-HR	House 61	RP_H61
647298	4076805	0.00555	158	1.5	24-HR	House 62	RP_H62
647447	4076900	0.00862	159.45	1.5	24-HR	House 63	RP_H63
647464	4076781	0.00592	159.32	1.5	24-HR	House 64	RP_H64
647512	4076536	0.00332	159	1.5	24-HR	House 65	RP_H65
651131	4078767	0.00164	179.58	1.5	24-HR	House 66	RP_H66
647131	4077336	0.0121	146.77	1.5	24-HR	House 67	RP_H67
646798	4076740	0.00341	156.07	1.5	24-HR	House 68	RP_H68
646900	4076802	0.00411	159	1.5	24-HR	House 69	RP_H69
648126	4075955	0.00386	171.51	1.5	24-HR	House 7	RP_H7
647317	4076662	0.00372	159.9	1.5	24-HR	House 70	RP_H70
648249	4075970	0.00417	183.42	1.5	24-HR	House 8	RP_H8

09/30/21

* AERMET (21112): Future Flare (1.5m) SO2 24-hr 2020

14:01:41

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL ADJ_U*
- PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.00373	182.28	1.5	24-HR	House 9	RP_H9

09/29/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr

13:26:44

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
645996	4078698	0.0726	123.85	0	1-HR	AQ Monitoring Station	AQ_ST_1
643903.7	4077719	0.04241	105.68	0	1-HR	Hazel Hawkins Memorial Hospital	CR_HP_1
642056.8	4079416	0.04474	85.12	0	1-HR	Dunne Park	CR_PK_1
642179.1	4079950	0.03484	117.99	0	1-HR	Vista Park Hill Park	CR_PK_2
644733.1	4078753	0.03959	106.44	0	1-HR	Las Brisas Park	CR_PK_3
645608.8	4078854	0.06739	112.86	0	1-HR	Frank Klauer Memorial Park	CR_PK_4
644238.1	4078807	0.04727	95.25	0	1-HR	Veterans Memorial Park	CR_PK_5
645311.5	4076559	0.1006	134.61	0	1-HR	Park 6	CR_PK_6
649581.7	4073424	0.04015	159.96	0	1-HR	Park 7	CR_PK_7
645145.1	4077181	0.06451	133	0	1-HR	Cerra Vista Elem School	CR_SC_1
642904.7	4079955	0.0353	86	0	1-HR	San Andreas Continuation	CR_SC_10
645850.7	4074015	0.04204	123	0	1-HR	SouthSide School	CR_SC_11
642105.7	4078176	0.03388	91	0	1-HR	School 12	CR_SC_12
646058.9	4078443	0.06988	128.52	0	1-HR	Rancho Santana School	CR_SC_13
647269	4075575	0.08783	158	0	1-HR	Future School	CR_SC_14
648466	4074106	0.033	159	0	1-HR	Tres Pinos Union Elementary School	CR_SC_15
644109.6	4078389	0.05436	98.2	0	1-HR	Sunnyslope Elem School	CR_SC_2
643920.1	4077304	0.05143	101.23	0	1-HR	Hollister Montessori School	CR_SC_3
642961.1	4078621	0.04241	92	0	1-HR	Rancho San Justo Middle School	CR_SC_4
643980	4079743	0.05103	88	0	1-HR	Marguerite Maze Middle School	CR_SC_5
641630.2	4079153	0.03922	85	0	1-HR	Hollister Prep Schoo	CR_SC_6
643350	4077181	0.05687	98.22	0	1-HR	Ladd Lane Elementary School	CR_SC_7
644003	4080079	0.05247	87	0	1-HR	Gabilan Hills Elementary School	CR_SC_8
642244.9	4078413	0.03432	90.17	0	1-HR	San Benito High School	CR_SC_9
642083.4	4079794	0.0355	87.58	0	1-HR	Jovenes De Antano	CR_SR_1
646402	4076879	0.10712	146.33	0	1-HR	Workplace	CR_WP_1
648949	4077938	0.10186	189.45	0	1-HR	Nearest Workplace	CR_WP_2
647744	4079173	0.11681	155.2	0	1-HR	Grid Receptor 1	G1
647744	4075573	0.03782	160	0	1-HR	Grid Receptor 10	G10
651344	4075573	0.21654	252.9	0	1-HR	Grid Receptor 100	G100
648144	4079173	0.0686	165.9	0	1-HR	Grid Receptor 11	G11

School 1 School 2

MEIW

09/29/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr

13:26:44

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078773	0.11007	159.6	0	1-HR	Grid Receptor 12	G12
648144	4078373	0.12556	146.2	0	1-HR	Grid Receptor 13	G13
648144	4077973	0.10168	158.3	0	1-HR	Grid Receptor 14	G14
648144	4077573	0.11852	166.6	0	1-HR	Grid Receptor 15	G15
648144	4077173	0.10059	175.4	0	1-HR	Grid Receptor 16	G16
648144	4076773	0.12988	177.1	0	1-HR	Grid Receptor 17	G17
648144	4076373	0.12962	178	0	1-HR	Grid Receptor 18	G18
648144	4075973	0.08665	173	0	1-HR	Grid Receptor 19	G19
647744	4078773	0.10361	145.4	0	1-HR	Grid Receptor 2	G2
648144	4075573	0.10167	168.8	0	1-HR	Grid Receptor 20	G20
648544	4079173	0.0734	173.5	0	1-HR	Grid Receptor 21	G21
648544	4078773	0.05714	166.2	0	1-HR	Grid Receptor 22	G22
648544	4078373	0.06399	145.4	0	1-HR	Grid Receptor 23	G23
648544	4077973	0.12467	173.9	0	1-HR	Grid Receptor 24	G24
648544	4077573	0.12395	179.6	0	1-HR	Grid Receptor 25	G25
648544	4077173	0.1528	191	0	1-HR	Grid Receptor 26	G26
648544	4076773	0.21746	209.2	0	1-HR	Grid Receptor 27	G27
648544	4076373	0.12952	233.7	0	1-HR	Grid Receptor 28	G28
648544	4075973	0.07488	199.9	0	1-HR	Grid Receptor 29	G29
647744	4078373	0.08488	144.4	0	1-HR	Grid Receptor 3	G3
648544	4075573	0.06497	195.5	0	1-HR	Grid Receptor 30	G30
648944	4079173	0.10841	190.4	0	1-HR	Grid Receptor 31	G31
648944	4078773	0.10722	165.4	0	1-HR	Grid Receptor 32	G32
648944	4078373	0.10601	159.6	0	1-HR	Grid Receptor 33	G33
648944	4077973	0.10076	183.5	0	1-HR	Grid Receptor 34	G34
648944	4077573	0.11755	224	0	1-HR	Grid Receptor 35	G35
648944	4076373	0.14996	205	0	1-HR	Grid Receptor 38	G38
648944	4075973	0.10832	208.8	0	1-HR	Grid Receptor 39	G39
647744	4077973	0.09197	134.6	0	1-HR	Grid Receptor 4	G4
648944	4075573	0.05354	185.6	0	1-HR	Grid Receptor 40	G40
649344	4079173	0.04969	187.4	0	1-HR	Grid Receptor 41	G41

09/29/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr

13:26:44

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

649344 4078773 0.04989 160.9 0 1-HR Grid Receptor 42 649344 4078373 0.05937 200.5 0 1-HR Grid Receptor 43 649344 4077973 0.06674 229 0 1-HR Grid Receptor 44 649344 4077573 0.4101 253.3 0 1-HR Grid Receptor 45 649344 4076373 0.38823 220.2 0 1-HR Grid Receptor 48 649344 4075973 0.15014 227.2 0 1-HR Grid Receptor 49 647744 4077573 0.09685 163.8 0 1-HR Grid Receptor 5 649344 4075573 0.13683 205.5 0 1-HR Grid Receptor 50 649744 4079173 0.05865 176.1 0 1-HR Grid Receptor 51 649744 4078773 0.08255 195 0 1-HR Grid Receptor 52 649744 4078373 0.10032 196.1 0 1-H	ID
649344 4077973 0.06674 229 0 1-HR Grid Receptor 44 649344 4077573 0.4101 253.3 0 1-HR Grid Receptor 45 649344 4076373 0.38823 220.2 0 1-HR Grid Receptor 48 649344 4075973 0.15014 227.2 0 1-HR Grid Receptor 49 647744 4077573 0.09685 163.8 0 1-HR Grid Receptor 5 649344 4075573 0.13683 205.5 0 1-HR Grid Receptor 50 649744 4079173 0.05865 176.1 0 1-HR Grid Receptor 51 649744 4078773 0.08255 195 0 1-HR Grid Receptor 52	G42
649344 4077573 0.4101 253.3 0 1-HR Grid Receptor 45 649344 4076373 0.38823 220.2 0 1-HR Grid Receptor 48 649344 4075973 0.15014 227.2 0 1-HR Grid Receptor 49 647744 4077573 0.09685 163.8 0 1-HR Grid Receptor 5 649344 4075573 0.13683 205.5 0 1-HR Grid Receptor 50 649744 4079173 0.05865 176.1 0 1-HR Grid Receptor 51 649744 4078773 0.08255 195 0 1-HR Grid Receptor 52	G43
649344 4076373 0.38823 220.2 0 1-HR Grid Receptor 48 649344 4075973 0.15014 227.2 0 1-HR Grid Receptor 49 647744 4077573 0.09685 163.8 0 1-HR Grid Receptor 5 649344 4075573 0.13683 205.5 0 1-HR Grid Receptor 50 649744 4079173 0.05865 176.1 0 1-HR Grid Receptor 51 649744 4078773 0.08255 195 0 1-HR Grid Receptor 52	G44
649344 4075973 0.15014 227.2 0 1-HR Grid Receptor 49 647744 4077573 0.09685 163.8 0 1-HR Grid Receptor 5 649344 4075573 0.13683 205.5 0 1-HR Grid Receptor 50 649744 4079173 0.05865 176.1 0 1-HR Grid Receptor 51 649744 4078773 0.08255 195 0 1-HR Grid Receptor 52	G45
647744 4077573 0.09685 163.8 0 1-HR Grid Receptor 5 649344 4075573 0.13683 205.5 0 1-HR Grid Receptor 50 649744 4079173 0.05865 176.1 0 1-HR Grid Receptor 51 649744 4078773 0.08255 195 0 1-HR Grid Receptor 52	G48
649344 4075573 0.13683 205.5 0 1-HR Grid Receptor 50 649744 4079173 0.05865 176.1 0 1-HR Grid Receptor 51 649744 4078773 0.08255 195 0 1-HR Grid Receptor 52	G49
649744 4079173 0.05865 176.1 0 1-HR Grid Receptor 51 649744 4078773 0.08255 195 0 1-HR Grid Receptor 52	G5
649744 4078773 0.08255 195 0 1-HR Grid Receptor 52	G50
1	G51
649744 4078373 0.10032 196.1 0 1-HR Grid Receptor 53	G52
	G53
649744 4077973 0.10458 215.3 0 1-HR Grid Receptor 54	G54
649744 4077573 0.07724 221.6 0 1-HR Grid Receptor 55	G55
649744 4076373 0.18494 211.7 0 1-HR Grid Receptor 58	G58
649744 4075973 0.19925 237.7 0 1-HR Grid Receptor 59	G59
647744 4077173 0.07446 158.4 0 1-HR Grid Receptor 6	G6
649744 4075573 0.18424 204.2 0 1-HR Grid Receptor 60	G60
650144 4079173 0.09684 173 0 1-HR Grid Receptor 61	G61
650144 4078773 0.08363 171 0 1-HR Grid Receptor 62	G62
650144 4078373 0.06057 204.6 0 1-HR Grid Receptor 63	G63
650144 4077973 0.07184 216.5 0 1-HR Grid Receptor 64	G64
650144 4077573 0.45781 257.7 0 1-HR Grid Receptor 65	G65
650144 4076373 0.17778 231.4 0 1-HR Grid Receptor 68	G68
650144 4075973 0.29803 249.4 0 1-HR Grid Receptor 69	G69
647744 4076773 0.14178 164.7 0 1-HR Grid Receptor 7	G7
650144 4075573 0.11673 216.4 0 1-HR Grid Receptor 70	G70
650544 4079173 0.0421 177 0 1-HR Grid Receptor 71	G71
650544 4078773 0.03546 180.9 0 1-HR Grid Receptor 72	G72
650544 4078373 0.06081 196.6 0 1-HR Grid Receptor 73	G73
650544 4077973 0.07751 236.9 0 1-HR Grid Receptor 74	G74
650544 4077573 0.48652 261.3 0 1-HR Grid Receptor 75	G75

09/29/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr

13:26:44

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4076373	0.58116	260.9	0	1-HR	Grid Receptor 78	G78
650544	4075973	0.11327	226.7	0	1-HR	Grid Receptor 79	G79
647744	4076373	0.13677	164	0	1-HR	Grid Receptor 8	G8
650544	4075573	0.61027	268.2	0	1-HR	Grid Receptor 80	G80
650944	4079173	0.03716	181.3	0	1-HR	Grid Receptor 81	G81
650944	4078773	0.05121	178.4	0	1-HR	Grid Receptor 82	G82
650944	4078373	0.06635	214.8	0	1-HR	Grid Receptor 83	G83
650944	4077973	0.21929	249.9	0	1-HR	Grid Receptor 84	G84
650944	4077573	0.66138	276.5	0	1-HR	Grid Receptor 85	G85
650944	4077173	0.08845	225.6	0	1-HR	Grid Receptor 86	G86
650944	4076773	0.12975	219.8	0	1-HR	Grid Receptor 87	G87
650944	4076373	0.09297	209.2	0	1-HR	Grid Receptor 88	G88
650944	4075973	0.08544	216.6	0	1-HR	Grid Receptor 89	G89
647744	4075973	0.13608	160.7	0	1-HR	Grid Receptor 9	G9
650944	4075573	0.10558	243.2	0	1-HR	Grid Receptor 90	G90
651344	4079173	0.04886	191	0	1-HR	Grid Receptor 91	G91
651344	4078773	0.05359	181	0	1-HR	Grid Receptor 92	G92
651344	4078373	0.05524	214.3	0	1-HR	Grid Receptor 93	G93
651344	4077973	0.17657	248.4	0	1-HR	Grid Receptor 94	G94
651344	4077573	0.06387	213.2	0	1-HR	Grid Receptor 95	G95
651344	4077173	0.07048	213.6	0	1-HR	Grid Receptor 96	G96
651344	4076773	0.13542	203.5	0	1-HR	Grid Receptor 97	G97
651344	4076373	0.08347	205.6	0	1-HR	Grid Receptor 98	G98
651344	4075973	0.0666	205.8	0	1-HR	Grid Receptor 99	G99
648584.2	4077523	0.12835	183.61	0	1-HR	Boundary Perimeter 1	P1
649484.1	4077537	0.44111	254.01	0	1-HR	Boundary Perimeter 10	P10
649584	4077539	0.08189	235.3	0	1-HR	Boundary Perimeter 11	P11
649684	4077540	0.09061	221.29	0	1-HR	Boundary Perimeter 12	P12
649784	4077541	0.05941	222.37	0	1-HR	Boundary Perimeter 13	P13
649884	4077542	0.09037	233.6	0	1-HR	Boundary Perimeter 14	P14
649984	4077543	0.27281	249.54	0	1-HR	Boundary Perimeter 15	P15

09/29/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr

13:26:44

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650083.9	4077546	0.4978	258.89	0	1-HR	Boundary Perimeter 16	P16
650183.9	4077548	0.53123	259.56	0	1-HR	Boundary Perimeter 17	P17
650283.9	4077550	0.42346	256.77	0	1-HR	Boundary Perimeter 18	P18
650383.8	4077552	0.10903	242.37	0	1-HR	Boundary Perimeter 19	P19
648684.2	4077525	0.13003	197.16	0	1-HR	Boundary Perimeter 2	P2
650483.8	4077554	0.11189	242.23	0	1-HR	Boundary Perimeter 20	P20
650583.8	4077557	0.48707	259.71	0	1-HR	Boundary Perimeter 21	P21
650683.8	4077559	0.44188	257.58	0	1-HR	Boundary Perimeter 22	P22
650776.8	4077554	0.68984	267.9	0	1-HR	Boundary Perimeter 23	P23
650778.9	4077454	0.59656	275.91	0	1-HR	Boundary Perimeter 24	P24
650781	4077354	0.56213	265.73	0	1-HR	Boundary Perimeter 25	P25
650783.1	4077254	0.23091	251.08	0	1-HR	Boundary Perimeter 26	P26
650785.2	4077154	0.27597	252.83	0	1-HR	Boundary Perimeter 27	P27
650787.3	4077054	0.13433	246.1	0	1-HR	Boundary Perimeter 28	P28
650789.4	4076954	0.1041	241.37	0	1-HR	Boundary Perimeter 29	P29
648784.2	4077527	0.1554	209.74	0	1-HR	Boundary Perimeter 3	P3
650791.5	4076854	0.17151	246.79	0	1-HR	Boundary Perimeter 30	P30
650793.6	4076754	0.12482	228.75	0	1-HR	Boundary Perimeter 31	P31
650754.4	4076683	0.13513	217.76	0	1-HR	Boundary Perimeter 32	P32
650660.2	4076650	0.13066	221.2	0	1-HR	Boundary Perimeter 33	P33
650561.4	4076650	0.12889	220.83	0	1-HR	Boundary Perimeter 34	P34
650462.7	4076666	0.13891	223.42	0	1-HR	Boundary Perimeter 35	P35
650364	4076682	0.15715	222.46	0	1-HR	Boundary Perimeter 36	P36
650264.2	4076683	0.17218	223.19	0	1-HR	Boundary Perimeter 37	P37
650164.7	4076674	0.18826	222.1	0	1-HR	Boundary Perimeter 38	P38
650065.8	4076660	0.20615	217.03	0	1-HR	Boundary Perimeter 39	P39
648884.2	4077529	0.15407	214.25	0	1-HR	Boundary Perimeter 4	P4
649980.4	4076627	0.22065	214.82	0	1-HR	Boundary Perimeter 40	P40
649920.3	4076547	0.23296	214.91	0	1-HR	Boundary Perimeter 41	P41
649852.2	4076474	0.25849	214.09	0	1-HR	Boundary Perimeter 42	P42
649770.7	4076417	0.21276	211.53	0	1-HR	Boundary Perimeter 43	P43

PMI

09/29/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649680.5	4076375	0.21328	210.17	0	1-HR	Boundary Perimeter 44	P44
649580.9	4076368	0.25481	208.52	0	1-HR	Boundary Perimeter 45	P45
649482.5	4076384	0.32332	207.5	0	1-HR	Boundary Perimeter 46	P46
649391.6	4076425	0.34216	205.17	0	1-HR	Boundary Perimeter 47	P47
649303.5	4076472	0.19498	202.16	0	1-HR	Boundary Perimeter 48	P48
649226.2	4076535	0.15977	196.38	0	1-HR	Boundary Perimeter 49	P49
648984.1	4077530	0.1052	221.41	0	1-HR	Boundary Perimeter 5	P5
649156.2	4076605	0.23154	195.87	0	1-HR	Boundary Perimeter 50	P50
649068.3	4076653	0.42212	196.32	0	1-HR	Boundary Perimeter 51	P51
648986.7	4076711	0.36351	192.42	0	1-HR	Boundary Perimeter 52	P52
648936.5	4076759	0.28449	192.46	0	1-HR	Boundary Perimeter 53	P53
648868.6	4076833	0.25351	191.63	0	1-HR	Boundary Perimeter 54	P54
648797.2	4076902	0.21036	186.32	0	1-HR	Boundary Perimeter 55	P55
648710.6	4076952	0.18877	179.81	0	1-HR	Boundary Perimeter 56	P56
648620.8	4076996	0.16586	176.23	0	1-HR	Boundary Perimeter 57	P57
648607.2	4077051	0.14744	175.02	0	1-HR	Boundary Perimeter 58	P58
648680.1	4077119	0.16061	180.62	0	1-HR	Boundary Perimeter 59	P59
649084.1	4077532	0.1068	216.54	0	1-HR	Boundary Perimeter 6	P6
648759.2	4077180	0.16078	183.47	0	1-HR	Boundary Perimeter 60	P60
648791.4	4077262	0.17145	202.88	0	1-HR	Boundary Perimeter 61	P61
648788.5	4077362	0.14118	178.21	0	1-HR	Boundary Perimeter 62	P62
648691.3	4077361	0.1376	176.25	0	1-HR	Boundary Perimeter 63	P63
648591.4	4077357	0.14764	176	0	1-HR	Boundary Perimeter 64	P64
648525.7	4077371	0.14704	175.24	0	1-HR	Boundary Perimeter 65	P65
648586.9	4077430	0.13869	175.13	0	1-HR	Boundary Perimeter 66	P66
649184.1	4077534	0.10221	230.71	0	1-HR	Boundary Perimeter 7	P7
649284.1	4077535	0.28352	248.08	0	1-HR	Boundary Perimeter 8	P8
649384.1	4077536	0.67502	258.43	0	1-HR	Boundary Perimeter 9	P9
645930	4077983	0.06478	127.38	0	1-HR	New Development	RP_G1
646030	4077983	0.0626	131.21	0	1-HR	New Development	RP_G2
646130	4077983	0.05969	135.89	0	1-HR	New Development	RP_G3

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* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646230	4077983	0.05592	139.18	0	1-HR	New Development	RP_G4
646330	4077983	0.05157	140.76	0	1-HR	New Development	RP_G5
646430	4077983	0.0567	143.89	0	1-HR	New Development	RP_G6
646530	4077983	0.06295	145.22	0	1-HR	New Development	RP_G7
646630	4077983	0.06921	147.21	0	1-HR	New Development	RP_G8
646730	4077983	0.075	148.3	0	1-HR	New Development	RP_G9
645930	4078083	0.05705	127.58	0	1-HR	New Development	RP_G10
646030	4078083	0.05346	130.56	0	1-HR	New Development	RP_G11
646130	4078083	0.04929	134.35	0	1-HR	New Development	RP_G12
646230	4078083	0.05405	139.22	0	1-HR	New Development	RP_G13
646330	4078083	0.06039	144.65	0	1-HR	New Development	RP_G14
646430	4078083	0.06579	142.28	0	1-HR	New Development	RP_G15
646530	4078083	0.07185	146.76	0	1-HR	New Development	RP_G16
646630	4078083	0.0774	150.64	0	1-HR	New Development	RP_G17
646730	4078083	0.08237	155.4	0	1-HR	New Development	RP_G18
645930	4078183	0.04728	127.22	0	1-HR	New Development	RP_G19
646030	4078183	0.05112	130.56	0	1-HR	New Development	RP_G20
646130	4078183	0.05676	133.89	0	1-HR	New Development	RP_G21
646230	4078183	0.06287	140.45	0	1-HR	New Development	RP_G22
646330	4078183	0.06896	146.94	0	1-HR	New Development	RP_G23
646430	4078183	0.07285	140.23	0	1-HR	New Development	RP_G24
646530	4078183	0.0781	147.25	0	1-HR	New Development	RP_G25
646630	4078183	0.08212	151.56	0	1-HR	New Development	RP_G26
646730	4078183	0.08537	157.78	0	1-HR	New Development	RP_G27
645930	4078283	0.0537	126.06	0	1-HR	New Development	RP_G28
646030	4078283	0.05905	129.56	0	1-HR	New Development	RP_G29
646130	4078283	0.06434	132.89	0	1-HR	New Development	RP_G30
646230	4078283	0.0698	139.24	0	1-HR	New Development	RP_G31
646330	4078283	0.07448	142.68	0	1-HR	New Development	RP_G32
646430	4078283	0.07754	140.02	0	1-HR	New Development	RP_G33
646530	4078283	0.08118	147.22	0	1-HR	New Development	RP_G34

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* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646630	4078283	0.08321	151.56	0	1-HR	New Development	RP_G35
646730	4078283	0.08935	156.78	0	1-HR	New Development	RP_G36
648659.3	4077241	0.17412	205.79	0	1-HR	House 1	RP_H1
648071.2	4076116	0.13427	169.6	0	1-HR	House 10	RP_H10
648247.4	4076278	0.11408	184.55	0	1-HR	House 11	RP_H11
648027.2	4076255	0.10762	169.38	0	1-HR	House 12	RP_H12
648065.8	4076359	0.12606	173.83	0	1-HR	House 13	RP_H13
648138.7	4076400	0.14287	178.22	0	1-HR	House 14	RP_H14
648254.7	4076411	0.14891	191.28	0	1-HR	House 15	RP_H15
647877.8	4076365	0.13246	165.39	0	1-HR	House 16	RP_H16
647520	4076206	0.08509	159	0	1-HR	House 17	RP_H17
647921	4076247	0.10204	164	0	1-HR	House 18	RP_H18
647708.8	4076352	0.1298	163.52	0	1-HR	House 19	RP_H19
648371.7	4075470	0.08524	173.69	0	1-HR	House 2	RP_H2
647703.6	4076251	0.09436	162.17	0	1-HR	House 20	RP_H20
647718.8	4076104	0.12933	159.35	0	1-HR	House 21	RP_H21
647843.3	4076125	0.1324	163	0	1-HR	House 22	RP_H22
647842.3	4076500	0.17333	167.93	0	1-HR	House 23	RP_H23
647727.8	4076644	0.17143	164.15	0	1-HR	House 24	RP_H24
647823.9	4076644	0.17529	168.29	0	1-HR	House 25	RP_H25
647530	4076497	0.16154	159.56	0	1-HR	House 26	RP_H26
647810.1	4076854	0.11064	162.9	0	1-HR	House 27	RP_H27
647697.5	4076989	0.09727	161.42	0	1-HR	House 28	RP_H28
648225.5	4076182	0.13131	183.22	0	1-HR	House 29	RP_H29
647678.2	4075969	0.13759	159.5	0	1-HR	House 3	RP_H3
645876.3	4077487	0.05874	127.13	0	1-HR	House 30	RP_H30
650902	4076062	0.08222	215.24	0	1-HR	House 31	RP_H31
651490	4076597	0.11979	205.5	0	1-HR	House 32	RP_H32
651565	4077067	0.07774	213.93	0	1-HR	House 33	RP_H33
648672.8	4075307	0.03576	225.91	0	1-HR	House 34	RP_H34
648383.6	4075469	0.08232	174.44	0	1-HR	House 35	RP_H35

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* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646379.4	4077233	0.06992	146	0	1-HR	House 36	RP_H36
651849.7	4075865	0.06098	201.97	0	1-HR	House 37	RP_H37
652045.5	4076210	0.08491	196.88	0	1-HR	House 38	RP_H38
652255.7	4076391	0.06444	197.06	0	1-HR	House 39	RP_H39
647815.3	4075985	0.13425	162.04	0	1-HR	House 4	RP_H4
646853.7	4077373	0.06676	145.99	0	1-HR	House 40	RP_H40
647050.2	4077360	0.06579	145	0	1-HR	House 41	RP_H41
647286.4	4077474	0.06289	149.68	0	1-HR	House 42	RP_H42
647359.1	4077340	0.06359	154.45	0	1-HR	House 43	RP_H43
647490.4	4077329	0.0666	162.28	0	1-HR	House 44	RP_H44
647522.2	4077252	0.07127	164.3	0	1-HR	House 45	RP_H45
647517.8	4077139	0.08531	164.01	0	1-HR	House 46	RP_H46
646819	4077258	0.07472	151.53	0	1-HR	House 47	RP_H47
646778.7	4077128	0.07868	158.51	0	1-HR	House 48	RP_H48
646987.3	4077213	0.07708	146.44	0	1-HR	House 49	RP_H49
647898.2	4076033	0.13577	163.83	0	1-HR	House 5	RP_H5
647241.8	4077227	0.07743	154.85	0	1-HR	House 50	RP_H50
646773.1	4077063	0.07811	159	0	1-HR	House 51	RP_H51
647104.4	4077118	0.08248	148.99	0	1-HR	House 52	RP_H52
647291.9	4077123	0.08583	158.62	0	1-HR	House 53	RP_H53
646765.2	4076978	0.09468	158.67	0	1-HR	House 54	RP_H54
646995.7	4076984	0.09013	152.34	0	1-HR	House 55	RP_H55
647317.2	4077031	0.09006	160.22	0	1-HR	House 56	RP_H56
647398.4	4077013	0.09214	161.26	0	1-HR	House 57	RP_H57
646978.9	4076904	0.10897	156.81	0	1-HR	House 58	RP_H58
647015.2	4076807	0.12817	156.21	0	1-HR	House 59	RP_H59
648045.4	4076018	0.11917	168.26	0	1-HR	House 6	RP_H6
647164	4076802	0.13024	154.38	0	1-HR	House 60	RP_H60
647310.6	4076940	0.09821	162.49	0	1-HR	House 61	RP_H61
647298.1	4076805	0.13185	158	0	1-HR	House 62	RP_H62
647446.6	4076900	0.10605	159.45	0	1-HR	House 63	RP_H63

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647464.5	4076781	0.13884	159.32	0	1-HR	House 64	RP_H64
647512	4076536	0.16484	159	0	1-HR	House 65	RP_H65
651131	4078767	0.05428	179.58	0	1-HR	House 66	RP_H66
647131	4077336	0.06714	146.77	0	1-HR	House 67	RP_H67
646798	4076740	0.1338	156.07	0	1-HR	House 68	RP_H68
646900	4076802	0.1283	159	0	1-HR	House 69	RP_H69
648126.3	4075955	0.08332	171.51	0	1-HR	House 7	RP_H7
647317	4076662	0.15692	159.9	0	1-HR	House 70	RP_H70
648249.3	4075970	0.06403	183.42	0	1-HR	House 8	RP_H8
648218.6	4076109	0.12183	182.28	0	1-HR	House 9	RP_H9

* AERMET (21112): Future Flare SO2 (Grnd Lvl) 1-yr 2018

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.00081	123.85	0	ANNUAL	AQ Monitoring Station	AQ_ST_1	
643903.7	4077719	0.0006	105.68	0	ANNUAL	Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.8	4079416	0.00063	85.12	0	ANNUAL	Dunne Park	CR_PK_1	
642179.1	4079950	0.00061	117.99	0	ANNUAL	Vista Park Hill Park	CR_PK_2	
644733.1	4078753	0.00076	106.44	0	ANNUAL	Las Brisas Park	CR_PK_3	
645608.8	4078854	0.00077	112.86	0	ANNUAL	Frank Klauer Memorial Park	CR_PK_4	
644238.1	4078807	0.00075	95.25	0	ANNUAL	Veterans Memorial Park	CR_PK_5	
645311.5	4076559	0.00038	134.61	0	ANNUAL	Park 6	CR_PK_6	
649581.7	4073424	0.00046	159.96	0	ANNUAL	Park 7	CR_PK_7	
645145.1	4077181	0.00055	133	0	ANNUAL	Cerra Vista Elem School	CR_SC_1	
642904.7	4079955	0.00059	86	0	ANNUAL	San Andreas Continuation	CR_SC_10	
645850.7	4074015	0.00009	123	0	ANNUAL	SouthSide School	CR_SC_11	
642105.7	4078176	0.00054	91	0	ANNUAL	School 12	CR_SC_12	
646058.9	4078443	0.00085	128.52	0	ANNUAL	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.00016	158	0	ANNUAL	Future School	CR_SC_14	School 2
648466	4074106	0.00014	159	0	ANNUAL	Tres Pinos Union Elementary School	CR_SC_15	1
644109.6	4078389	0.00075	98.2	0	ANNUAL	Sunnyslope Elem School	CR_SC_2	
643920.1	4077304	0.00047	101.23	0	ANNUAL	Hollister Montessori School	CR_SC_3	
642961.1	4078621	0.00067	92	0	ANNUAL	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.00062	88	0	ANNUAL	Marguerite Maze Middle School	CR_SC_5	1
641630.2	4079153	0.0006	85	0	ANNUAL	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.00041	98.22	0	ANNUAL	Ladd Lane Elementary School	CR_SC_7	1
644003	4080079	0.00062	87	0	ANNUAL	Gabilan Hills Elementary School	CR_SC_8	
642244.9	4078413	0.00059	90.17	0	ANNUAL	San Benito High School	CR_SC_9	1
642083.4	4079794	0.00062	87.58	0	ANNUAL	Jovenes De Antano	CR_SR_1	
646402	4076879	0.0006	146.33	0	ANNUAL	Workplace	CR_WP_1	MIEW
648949	4077938	0.00041	189.45	0	ANNUAL	Nearest Workplace	CR_WP_2	
647744	4079173	0.00062	155.2	0	ANNUAL	Grid Receptor 1	G1	
647744	4075573	0.00016	160	0	ANNUAL	Grid Receptor 10	G10	
651344	4075573	0.00425	252.9	0	ANNUAL	Grid Receptor 100	G100	1
648144	4079173	0.00041	165.9	0	ANNUAL	Grid Receptor 11	G11	
648144	4078773	0.00057	159.6	0	ANNUAL	Grid Receptor 12	G12	1

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.00083	146.2	0	ANNUAL	Grid Receptor 13	G13
648144	4077973	0.00121	158.3	0	ANNUAL	Grid Receptor 14	G14
648144	4077573	0.00151	166.6	0	ANNUAL	Grid Receptor 15	G15
648144	4077173	0.00196	175.4	0	ANNUAL	Grid Receptor 16	G16
648144	4076773	0.0016	177.1	0	ANNUAL	Grid Receptor 17	G17
648144	4076373	0.00053	178	0	ANNUAL	Grid Receptor 18	G18
648144	4075973	0.00025	173	0	ANNUAL	Grid Receptor 19	G19
647744	4078773	0.00081	145.4	0	ANNUAL	Grid Receptor 2	G2
648144	4075573	0.00019	168.8	0	ANNUAL	Grid Receptor 20	G20
648544	4079173	0.00027	173.5	0	ANNUAL	Grid Receptor 21	G21
648544	4078773	0.00034	166.2	0	ANNUAL	Grid Receptor 22	G22
648544	4078373	0.00047	145.4	0	ANNUAL	Grid Receptor 23	G23
648544	4077973	0.00085	173.9	0	ANNUAL	Grid Receptor 24	G24
648544	4077573	0.00159	179.6	0	ANNUAL	Grid Receptor 25	G25
648544	4077173	0.00238	191	0	ANNUAL	Grid Receptor 26	G26
648544	4076773	0.00351	209.2	0	ANNUAL	Grid Receptor 27	G27
648544	4076373	0.00099	233.7	0	ANNUAL	Grid Receptor 28	G28
648544	4075973	0.00032	199.9	0	ANNUAL	Grid Receptor 29	G29
647744	4078373	0.00103	144.4	0	ANNUAL	Grid Receptor 3	G3
648544	4075573	0.00024	195.5	0	ANNUAL	Grid Receptor 30	G30
648944	4079173	0.0002	190.4	0	ANNUAL	Grid Receptor 31	G31
648944	4078773	0.00022	165.4	0	ANNUAL	Grid Receptor 32	G32
648944	4078373	0.00027	159.6	0	ANNUAL	Grid Receptor 33	G33
648944	4077973	0.0004	183.5	0	ANNUAL	Grid Receptor 34	G34
648944	4077573	0.00081	224	0	ANNUAL	Grid Receptor 35	G35
648944	4076373	0.00103	205	0	ANNUAL	Grid Receptor 38	G38
648944	4075973	0.00048	208.8	0	ANNUAL	Grid Receptor 39	G39
647744	4077973	0.00116	134.6	0	ANNUAL	Grid Receptor 4	G4
648944	4075573	0.00028	185.6	0	ANNUAL	Grid Receptor 40	G40
649344	4079173	0.00019	187.4	0	ANNUAL	Grid Receptor 41	G41
649344	4078773	0.0002	160.9	0	ANNUAL	Grid Receptor 42	G42
649344	4078373	0.00025	200.5	0	ANNUAL	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00036	229	0	ANNUAL	Grid Receptor 44	G44
649344	4077573	0.0019	253.3	0	ANNUAL	Grid Receptor 45	G45
649344	4076373	0.00703	220.2	0	ANNUAL	Grid Receptor 48	G48
649344	4075973	0.00147	227.2	0	ANNUAL	Grid Receptor 49	G49
647744	4077573	0.00138	163.8	0	ANNUAL	Grid Receptor 5	G5
649344	4075573	0.0007	205.5	0	ANNUAL	Grid Receptor 50	G50
649744	4079173	0.00019	176.1	0	ANNUAL	Grid Receptor 51	G51
649744	4078773	0.00022	195	0	ANNUAL	Grid Receptor 52	G52
649744	4078373	0.00025	196.1	0	ANNUAL	Grid Receptor 53	G53
649744	4077973	0.0003	215.3	0	ANNUAL	Grid Receptor 54	G54
649744	4077573	0.00039	221.6	0	ANNUAL	Grid Receptor 55	G55
649744	4076373	0.01331	211.7	0	ANNUAL	Grid Receptor 58	G58
649744	4075973	0.01006	237.7	0	ANNUAL	Grid Receptor 59	G59
647744	4077173	0.00153	158.4	0	ANNUAL	Grid Receptor 6	G6
649744	4075573	0.00209	204.2	0	ANNUAL	Grid Receptor 60	G60
650144	4079173	0.00018	173	0	ANNUAL	Grid Receptor 61	G61
650144	4078773	0.00019	171	0	ANNUAL	Grid Receptor 62	G62
650144	4078373	0.00023	204.6	0	ANNUAL	Grid Receptor 63	G63
650144	4077973	0.0003	216.5	0	ANNUAL	Grid Receptor 64	G64
650144	4077573	0.00167	257.7	0	ANNUAL	Grid Receptor 65	G65
650144	4076373	0.00584	231.4	0	ANNUAL	Grid Receptor 68	G68
650144	4075973	0.01034	249.4	0	ANNUAL	Grid Receptor 69	G69
647744	4076773	0.00104	164.7	0	ANNUAL	Grid Receptor 7	G7
650144	4075573	0.00463	216.4	0	ANNUAL	Grid Receptor 70	G70
650544	4079173	0.00018	177	0	ANNUAL	Grid Receptor 71	G71
650544	4078773	0.00021	180.9	0	ANNUAL	Grid Receptor 72	G72
650544	4078373	0.00025	196.6	0	ANNUAL	Grid Receptor 73	G73
650544	4077973	0.00051	236.9	0	ANNUAL	Grid Receptor 74	G74
650544	4077573	0.00245	261.3	0	ANNUAL	Grid Receptor 75	G75
650544	4076373	0.00812	260.9	0	ANNUAL	Grid Receptor 78	G78
650544	4075973	0.00375	226.7	0	ANNUAL	Grid Receptor 79	G79
647744	4076373	0.00047	164	0	ANNUAL	Grid Receptor 8	G8

* AERMET (21112): Future Flare SO2 (Grnd Lvl) 1-yr 2018

13:26:44

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.00964	268.2	0	ANNUAL	Grid Receptor 80	G80
650944	4079173	0.0002	181.3	0	ANNUAL	Grid Receptor 81	G81
650944	4078773	0.00023	178.4	0	ANNUAL	Grid Receptor 82	G82
650944	4078373	0.00033	214.8	0	ANNUAL	Grid Receptor 83	G83
650944	4077973	0.0012	249.9	0	ANNUAL	Grid Receptor 84	G84
650944	4077573	0.0024	276.5	0	ANNUAL	Grid Receptor 85	G85
650944	4077173	0.0012	225.6	0	ANNUAL	Grid Receptor 86	G86
650944	4076773	0.00233	219.8	0	ANNUAL	Grid Receptor 87	G87
650944	4076373	0.00257	209.2	0	ANNUAL	Grid Receptor 88	G88
650944	4075973	0.00253	216.6	0	ANNUAL	Grid Receptor 89	G89
647744	4075973	0.00025	160.7	0	ANNUAL	Grid Receptor 9	G9
650944	4075573	0.00404	243.2	0	ANNUAL	Grid Receptor 90	G90
651344	4079173	0.00022	191	0	ANNUAL	Grid Receptor 91	G91
651344	4078773	0.00027	181	0	ANNUAL	Grid Receptor 92	G92
651344	4078373	0.00042	214.3	0	ANNUAL	Grid Receptor 93	G93
651344	4077973	0.00105	248.4	0	ANNUAL	Grid Receptor 94	G94
651344	4077573	0.00071	213.2	0	ANNUAL	Grid Receptor 95	G95
651344	4077173	0.00128	213.6	0	ANNUAL	Grid Receptor 96	G96
651344	4076773	0.00188	203.5	0	ANNUAL	Grid Receptor 97	G97
651344	4076373	0.00203	205.6	0	ANNUAL	Grid Receptor 98	G98
651344	4075973	0.00201	205.8	0	ANNUAL	Grid Receptor 99	G99
648584.2	4077523	0.00168	183.61	0	ANNUAL	Boundary Perimeter 1	P1
649484.1	4077537	0.00182	254.01	0	ANNUAL	Boundary Perimeter 10	P10
649584	4077539	0.00057	235.3	0	ANNUAL	Boundary Perimeter 11	P11
649684	4077540	0.00041	221.29	0	ANNUAL	Boundary Perimeter 12	P12
649784	4077541	0.00041	222.37	0	ANNUAL	Boundary Perimeter 13	P13
649884	4077542	0.00052	233.6	0	ANNUAL	Boundary Perimeter 14	P14
649984	4077543	0.00116	249.54	0	ANNUAL	Boundary Perimeter 15	P15
650083.9	4077546	0.00176	258.89	0	ANNUAL	Boundary Perimeter 16	P16
650183.9	4077548	0.00198	259.56	0	ANNUAL	Boundary Perimeter 17	P17
650283.9	4077550	0.00194	256.77	0	ANNUAL	Boundary Perimeter 18	P18
650383.8	4077552	0.001	242.37	0	ANNUAL	Boundary Perimeter 19	P19

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13:26:44

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		, /,- (,),,	-, , -,	-, -,,			
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684.2	4077525	0.00159	197.16	0	ANNUAL	Boundary Perimeter 2	P2
650483.8	4077554	0.00104	242.23	0	ANNUAL	Boundary Perimeter 20	P20
650583.8	4077557	0.00233	259.71	0	ANNUAL	Boundary Perimeter 21	P21
650683.8	4077559	0.00209	257.58	0	ANNUAL	Boundary Perimeter 22	P22
650776.8	4077554	0.00261	267.9	0	ANNUAL	Boundary Perimeter 23	P23
650778.9	4077454	0.00266	275.91	0	ANNUAL	Boundary Perimeter 24	P24
650781	4077354	0.00285	265.73	0	ANNUAL	Boundary Perimeter 25	P25
650783.1	4077254	0.00197	251.08	0	ANNUAL	Boundary Perimeter 26	P26
650785.2	4077154	0.00228	252.83	0	ANNUAL	Boundary Perimeter 27	P27
650787.3	4077054	0.0022	246.1	0	ANNUAL	Boundary Perimeter 28	P28
650789.4	4076954	0.00246	241.37	0	ANNUAL	Boundary Perimeter 29	P29
648784.2	4077527	0.00141	209.74	0	ANNUAL	Boundary Perimeter 3	Р3
650791.5	4076854	0.0035	246.79	0	ANNUAL	Boundary Perimeter 30	P30
650793.6	4076754	0.00269	228.75	0	ANNUAL	Boundary Perimeter 31	P31
650754.4	4076683	0.00273	217.76	0	ANNUAL	Boundary Perimeter 32	P32
650660.2	4076650	0.00298	221.2	0	ANNUAL	Boundary Perimeter 33	P33
650561.4	4076650	0.0032	220.83	0	ANNUAL	Boundary Perimeter 34	P34
650462.7	4076666	0.00346	223.42	0	ANNUAL	Boundary Perimeter 35	P35
650364	4076682	0.00369	222.46	0	ANNUAL	Boundary Perimeter 36	P36
650264.2	4076683	0.00404	223.19	0	ANNUAL	Boundary Perimeter 37	P37
650164.7	4076674	0.00449	222.1	0	ANNUAL	Boundary Perimeter 38	P38
650065.8	4076660	0.0051	217.03	0	ANNUAL	Boundary Perimeter 39	P39
648884.2	4077529	0.00106	214.25	0	ANNUAL	Boundary Perimeter 4	P4
649980.4	4076627	0.00611	214.82	0	ANNUAL	Boundary Perimeter 40	P40
649920.3	4076547	0.00763	214.91	0	ANNUAL	Boundary Perimeter 41	P41
649852.2	4076474	0.00923	214.09	0	ANNUAL	Boundary Perimeter 42	P42
649770.7	4076417	0.01166	211.53	0	ANNUAL	Boundary Perimeter 43	P43
649680.5	4076375	0.01656	210.17	0	ANNUAL	Boundary Perimeter 44	P44
649580.9	4076368	0.02442	208.52	0	ANNUAL	Boundary Perimeter 45	P45
649482.5	4076384	0.03063	207.5	0	ANNUAL	Boundary Perimeter 46	P46
649391.6	4076425	0.02088	205.17	0	ANNUAL	Boundary Perimeter 47	P47
649303.5	4076472	0.00224	202.16	0	ANNUAL	Boundary Perimeter 48	P48

* AERMET (21112): Future Flare SO2 (Grnd Lvl) 1-yr 2018

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226.2	4076535	0.00108	196.38	0	ANNUAL	Boundary Perimeter 49	P49
648984.1	4077530	0.00077	221.41	0	ANNUAL	Boundary Perimeter 5	P5
649156.2	4076605	0.00526	195.87	0	ANNUAL	Boundary Perimeter 50	P50
649068.3	4076653	0.00691	196.32	0	ANNUAL	Boundary Perimeter 51	P51
648986.7	4076711	0.00612	192.42	0	ANNUAL	Boundary Perimeter 52	P52
648936.5	4076759	0.00532	192.46	0	ANNUAL	Boundary Perimeter 53	P53
648868.6	4076833	0.00438	191.63	0	ANNUAL	Boundary Perimeter 54	P54
648797.2	4076902	0.00365	186.32	0	ANNUAL	Boundary Perimeter 55	P55
648710.6	4076952	0.00318	179.81	0	ANNUAL	Boundary Perimeter 56	P56
648620.8	4076996	0.00286	176.23	0	ANNUAL	Boundary Perimeter 57	P57
648607.2	4077051	0.00263	175.02	0	ANNUAL	Boundary Perimeter 58	P58
648680.1	4077119	0.00258	180.62	0	ANNUAL	Boundary Perimeter 59	P59
649084.1	4077532	0.00059	216.54	0	ANNUAL	Boundary Perimeter 6	P6
648759.2	4077180	0.00255	183.47	0	ANNUAL	Boundary Perimeter 60	P60
648791.4	4077262	0.00242	202.88	0	ANNUAL	Boundary Perimeter 61	P61
648788.5	4077362	0.00176	178.21	0	ANNUAL	Boundary Perimeter 62	P62
648691.3	4077361	0.00195	176.25	0	ANNUAL	Boundary Perimeter 63	P63
648591.4	4077357	0.002	176	0	ANNUAL	Boundary Perimeter 64	P64
648525.7	4077371	0.00195	175.24	0	ANNUAL	Boundary Perimeter 65	P65
648586.9	4077430	0.00185	175.13	0	ANNUAL	Boundary Perimeter 66	P66
649184.1	4077534	0.00057	230.71	0	ANNUAL	Boundary Perimeter 7	P7
649284.1	4077535	0.00141	248.08	0	ANNUAL	Boundary Perimeter 8	P8
649384.1	4077536	0.00255	258.43	0	ANNUAL	Boundary Perimeter 9	P9
645930	4077983	0.00093	127.38	0	ANNUAL	New Development	RP_G1
646030	4077983	0.00094	131.21	0	ANNUAL	New Development	RP_G2
646130	4077983	0.00096	135.89	0	ANNUAL	New Development	RP_G3
646230	4077983	0.00096	139.18	0	ANNUAL	New Development	RP_G4
646330	4077983	0.00097	140.76	0	ANNUAL	New Development	RP_G5
646430	4077983	0.00098	143.89	0	ANNUAL	New Development	RP_G6
646530	4077983	0.00099	145.22	0	ANNUAL	New Development	RP_G7
646630	4077983	0.001	147.21	0	ANNUAL	New Development	RP_G8
646730	4077983	0.00101	148.3	0	ANNUAL	New Development	RP_G9

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* AERMET (21112): Future Flare SO2 (Grnd Lvl) 1-yr 2018

13:26:44

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

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1 010	(11,1.	(1,5(171,115.5),5(171,10.2),271,710	,2,1,1,10,2,11,10	3.0,221,210)			
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
645930	4078083	0.00092	127.58	0	ANNUAL	New Development	RP_G10
646030	4078083	0.00093	130.56	0	ANNUAL	New Development	RP_G11
646130	4078083	0.00093	134.35	0	ANNUAL	New Development	RP_G12
646230	4078083	0.00094	139.22	0	ANNUAL	New Development	RP_G13
646330	4078083	0.00095	144.65	0	ANNUAL	New Development	RP_G14
646430	4078083	0.00095	142.28	0	ANNUAL	New Development	RP_G15
646530	4078083	0.00097	146.76	0	ANNUAL	New Development	RP_G16
646630	4078083	0.00098	150.64	0	ANNUAL	New Development	RP_G17
646730	4078083	0.00099	155.4	0	ANNUAL	New Development	RP_G18
645930	4078183	0.0009	127.22	0	ANNUAL	New Development	RP_G19
646030	4078183	0.0009	130.56	0	ANNUAL	New Development	RP_G20
646130	4078183	0.00091	133.89	0	ANNUAL	New Development	RP_G21
646230	4078183	0.00092	140.45	0	ANNUAL	New Development	RP_G22
646330	4078183	0.00093	146.94	0	ANNUAL	New Development	RP_G23
646430	4078183	0.00093	140.23	0	ANNUAL	New Development	RP_G24
646530	4078183	0.00094	147.25	0	ANNUAL	New Development	RP_G25
646630	4078183	0.00096	151.56	0	ANNUAL	New Development	RP_G26
646730	4078183	0.00098	157.78	0	ANNUAL	New Development	RP_G27
645930	4078283	0.00088	126.06	0	ANNUAL	New Development	RP_G28
646030	4078283	0.00088	129.56	0	ANNUAL	New Development	RP_G29
646130	4078283	0.00089	132.89	0	ANNUAL	New Development	RP_G30
646230	4078283	0.0009	139.24	0	ANNUAL	New Development	RP_G31
646330	4078283	0.0009	142.68	0	ANNUAL	New Development	RP_G32
646430	4078283	0.00091	140.02	0	ANNUAL	New Development	RP_G33
646530	4078283	0.00093	147.22	0	ANNUAL	New Development	RP_G34
646630	4078283	0.00094	151.56	0	ANNUAL	New Development	RP_G35
646730	4078283	0.00096	156.78	0	ANNUAL	New Development	RP_G36
648659.3	4077241	0.00261	205.79	0	ANNUAL	House 1	RP_H1
648071.2	4076116	0.00032	169.6	0	ANNUAL	House 10	RP_H10
648247.4	4076278	0.00045	184.55	0	ANNUAL	House 11	RP_H11
648027.2	4076255	0.00039	169.38	0	ANNUAL	House 12	RP_H12
648065.8	4076359	0.0005	173.83	0	ANNUAL	House 13	RP_H13

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* AERMET (21112): Future Flare SO2 (Grnd Lvl) 1-yr 2018

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- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648138.7	4076400	0.00057	178.22	0	ANNUAL	House 14	RP_H14
648254.7	4076411	0.00063	191.28	0	ANNUAL	House 15	RP_H15
647877.8	4076365	0.00048	165.39	0	ANNUAL	House 16	RP_H16
647520	4076206	0.00034	159	0	ANNUAL	House 17	RP_H17
647921	4076247	0.00038	164	0	ANNUAL	House 18	RP_H18
647708.8	4076352	0.00045	163.52	0	ANNUAL	House 19	RP_H19
648371.7	4075470	0.00021	173.69	0	ANNUAL	House 2	RP_H2
647703.6	4076251	0.00037	162.17	0	ANNUAL	House 20	RP_H20
647718.8	4076104	0.0003	159.35	0	ANNUAL	House 21	RP_H21
647843.3	4076125	0.00031	163	0	ANNUAL	House 22	RP_H22
647842.3	4076500	0.00063	167.93	0	ANNUAL	House 23	RP_H23
647727.8	4076644	0.00079	164.15	0	ANNUAL	House 24	RP_H24
647823.9	4076644	0.00085	168.29	0	ANNUAL	House 25	RP_H25
647530	4076497	0.00055	159.56	0	ANNUAL	House 26	RP_H26
647810.1	4076854	0.00127	162.9	0	ANNUAL	House 27	RP_H27
647697.5	4076989	0.00137	161.42	0	ANNUAL	House 28	RP_H28
648225.5	4076182	0.00037	183.22	0	ANNUAL	House 29	RP_H29
647678.2	4075969	0.00025	159.5	0	ANNUAL	House 3	RP_H3
645876.3	4077487	0.00084	127.13	0	ANNUAL	House 30	RP_H30
650902	4076062	0.00257	215.24	0	ANNUAL	House 31	RP_H31
651490	4076597	0.00187	205.5	0	ANNUAL	House 32	RP_H32
651565	4077067	0.00149	213.93	0	ANNUAL	House 33	RP_H33
648672.8	4075307	0.00023	225.91	0	ANNUAL	House 34	RP_H34
648383.6	4075469	0.00021	174.44	0	ANNUAL	House 35	RP_H35
646379.4	4077233	0.00084	146	0	ANNUAL	House 36	RP_H36
651849.7	4075865	0.00167	201.97	0	ANNUAL	House 37	RP_H37
652045.5	4076210	0.00153	196.88	0	ANNUAL	House 38	RP_H38
652255.7	4076391	0.00142	197.06	0	ANNUAL	House 39	RP_H39
647815.3	4075985	0.00025	162.04	0	ANNUAL	House 4	RP_H4
646853.7	4077373	0.00108	145.99	0	ANNUAL	House 40	RP_H40
647050.2	4077360	0.00115	145	0	ANNUAL	House 41	RP_H41
647286.4	4077474	0.00125	149.68	0	ANNUAL	House 42	RP_H42

* AERMET (21112): Future Flare SO2 (Grnd Lvl) 1-yr 2018

13:26:44

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359.1	4077340	0.0013	154.45	0	ANNUAL	House 43	RP_H43
647490.4	4077329	0.00138	162.28	0	ANNUAL	House 44	RP_H44
647522.2	4077252	0.0014	164.3	0	ANNUAL	House 45	RP_H45
647517.8	4077139	0.00135	164.01	0	ANNUAL	House 46	RP_H46
646819	4077258	0.00102	151.53	0	ANNUAL	House 47	RP_H47
646778.7	4077128	0.00091	158.51	0	ANNUAL	House 48	RP_H48
646987.3	4077213	0.00106	146.44	0	ANNUAL	House 49	RP_H49
647898.2	4076033	0.00027	163.83	0	ANNUAL	House 5	RP_H5
647241.8	4077227	0.0012	154.85	0	ANNUAL	House 50	RP_H50
646773.1	4077063	0.00085	159	0	ANNUAL	House 51	RP_H51
647104.4	4077118	0.00104	148.99	0	ANNUAL	House 52	RP_H52
647291.9	4077123	0.00117	158.62	0	ANNUAL	House 53	RP_H53
646765.2	4076978	0.00077	158.67	0	ANNUAL	House 54	RP_H54
646995.7	4076984	0.00086	152.34	0	ANNUAL	House 55	RP_H55
647317.2	4077031	0.0011	160.22	0	ANNUAL	House 56	RP_H56
647398.4	4077013	0.00113	161.26	0	ANNUAL	House 57	RP_H57
646978.9	4076904	0.00078	156.81	0	ANNUAL	House 58	RP_H58
647015.2	4076807	0.0007	156.21	0	ANNUAL	House 59	RP_H59
648045.4	4076018	0.00027	168.26	0	ANNUAL	House 6	RP_H6
647164	4076802	0.00074	154.38	0	ANNUAL	House 60	RP_H60
647310.6	4076940	0.00099	162.49	0	ANNUAL	House 61	RP_H61
647298.1	4076805	0.0008	158	0	ANNUAL	House 62	RP_H62
647446.6	4076900	0.00102	159.45	0	ANNUAL	House 63	RP_H63
647464.5	4076781	0.00085	159.32	0	ANNUAL	House 64	RP_H64
647512	4076536	0.00058	159	0	ANNUAL	House 65	RP_H65
651131	4078767	0.00024	179.58	0	ANNUAL	House 66	RP_H66
647131	4077336	0.00118	146.77	0	ANNUAL	House 67	RP_H67
646798	4076740	0.00059	156.07	0	ANNUAL	House 68	RP_H68
646900	4076802	0.00066	159	0	ANNUAL	House 69	RP_H69
648126.3	4075955	0.00025	171.51	0	ANNUAL	House 7	RP_H7
647317	4076662	0.00066	159.9	0	ANNUAL	House 70	RP_H70
648249.3	4075970	0.00026	183.42	0	ANNUAL	House 8	RP_H8

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* AERMET (21112): Future Flare SO2 (Grnd Lvl) 1-yr 2018

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648218.6	4076109	0.00032	182.28	0	ANNUAL	House 9	RP_H9

09/30/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 3-hr 2018

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	Description	ID	
645996	4078698	0.02984	123.85	0	3-HR	ALL	AQ Monitoring Station	AQ_ST_1	
643903.7	4077719	0.02098	105.68	0	3-HR	ALL	Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.8	4079416	0.02171	85.12	0	3-HR	ALL	Dunne Park	CR_PK_1	
642179.1	4079950	0.02114	117.99	0	3-HR	ALL	Vista Park Hill Park	CR_PK_2	
644733.1	4078753	0.02077	106.44	0	3-HR	ALL	Las Brisas Park	CR_PK_3	
645608.8	4078854	0.02679	112.86	0	3-HR	ALL	Frank Klauer Memorial Park	CR_PK_4	
644238.1	4078807	0.02303	95.25	0	3-HR	ALL	Veterans Memorial Park	CR_PK_5	
645311.5	4076559	0.03418	134.61	0	3-HR	ALL	Park 6	CR_PK_6	
649581.7	4073424	0.03	159.96	0	3-HR	ALL	Park 7	CR_PK_7	
645145.1	4077181	0.02464	133	0	3-HR	ALL	Cerra Vista Elem School	CR_SC_1	
642904.7	4079955	0.01799	86	0	3-HR	ALL	San Andreas Continuation	CR_SC_10	
645850.7	4074015	0.01449	123	0	3-HR	ALL	SouthSide School	CR_SC_11	
642105.7	4078176	0.02075	91	0	3-HR	ALL	School 12	CR_SC_12	
646058.9	4078443	0.03029	128.52	0	3-HR	ALL	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.02928	158	0	3-HR	ALL	Future School	CR_SC_14	School 2
648466	4074106	0.01622	159	0	3-HR	ALL	Tres Pinos Union Elementary School	CR_SC_15	
644109.6	4078389	0.02246	98.2	0	3-HR	ALL	Sunnyslope Elem School	CR_SC_2	
643920.1	4077304	0.01876	101.23	0	3-HR	ALL	Hollister Montessori School	CR_SC_3	
642961.1	4078621	0.0252	92	0	3-HR	ALL	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.02098	88	0	3-HR	ALL	Marguerite Maze Middle School	CR_SC_5	
641630.2	4079153	0.02384	85	0	3-HR	ALL	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.01939	98.22	0	3-HR	ALL	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.01801	87	0	3-HR	ALL	Gabilan Hills Elementary School	CR_SC_8	
642244.9	4078413	0.02105	90.17	0	3-HR	ALL	San Benito High School	CR_SC_9	
642083.4	4079794	0.02239	87.58	0	3-HR	ALL	Jovenes De Antano	CR_SR_1	
646402	4076879	0.03753	146.33	0	3-HR	ALL	Workplace	CR_WP_1	MEIW
648949	4077938	0.03432	189.45	0	3-HR	ALL	Nearest Workplace	CR_WP_2	
647744	4079173	0.03923	155.2	0	3-HR	ALL	Grid Receptor 1	G1	
647744	4075573	0.01355	160	0	3-HR	ALL	Grid Receptor 10	G10	
651344	4075573	0.11861	252.9	0	3-HR	ALL	Grid Receptor 100	G100	
648144	4079173	0.02516	165.9	0	3-HR	ALL	Grid Receptor 11	G11	
648144	4078773	0.03706	159.6	0	3-HR	ALL	Grid Receptor 12	G12	

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09/30/21

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08:26:38

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	Description	ID
648144	4078373	0.04219	146.2	0	3-HR	ALL	Grid Receptor 13	G13
648144	4077973	0.05167	158.3	0	3-HR	ALL	Grid Receptor 14	G14
648144	4077573	0.06534	166.6	0	3-HR	ALL	Grid Receptor 15	G15
648144	4077173	0.09587	175.4	0	3-HR	ALL	Grid Receptor 16	G16
648144	4076773	0.09135	177.1	0	3-HR	ALL	Grid Receptor 17	G17
648144	4076373	0.06355	178	0	3-HR	ALL	Grid Receptor 18	G18
648144	4075973	0.02888	173	0	3-HR	ALL	Grid Receptor 19	G19
647744	4078773	0.03481	145.4	0	3-HR	ALL	Grid Receptor 2	G2
648144	4075573	0.03498	168.8	0	3-HR	ALL	Grid Receptor 20	G20
648544	4079173	0.02469	173.5	0	3-HR	ALL	Grid Receptor 21	G21
648544	4078773	0.02869	166.2	0	3-HR	ALL	Grid Receptor 22	G22
648544	4078373	0.03465	145.4	0	3-HR	ALL	Grid Receptor 23	G23
648544	4077973	0.0528	173.9	0	3-HR	ALL	Grid Receptor 24	G24
648544	4077573	0.07872	179.6	0	3-HR	ALL	Grid Receptor 25	G25
648544	4077173	0.10797	191	0	3-HR	ALL	Grid Receptor 26	G26
648544	4076773	0.17721	209.2	0	3-HR	ALL	Grid Receptor 27	G27
648544	4076373	0.06727	233.7	0	3-HR	ALL	Grid Receptor 28	G28
648544	4075973	0.02712	199.9	0	3-HR	ALL	Grid Receptor 29	G29
647744	4078373	0.04471	144.4	0	3-HR	ALL	Grid Receptor 3	G3
648544	4075573	0.02961	195.5	0	3-HR	ALL	Grid Receptor 30	G30
648944	4079173	0.03637	190.4	0	3-HR	ALL	Grid Receptor 31	G31
648944	4078773	0.03599	165.4	0	3-HR	ALL	Grid Receptor 32	G32
648944	4078373	0.03563	159.6	0	3-HR	ALL	Grid Receptor 33	G33
648944	4077973	0.03395	183.5	0	3-HR	ALL	Grid Receptor 34	G34
648944	4077573	0.05617	224	0	3-HR	ALL	Grid Receptor 35	G35
648944	4076373	0.06527	205	0	3-HR	ALL	Grid Receptor 38	G38
648944	4075973	0.03745	208.8	0	3-HR	ALL	Grid Receptor 39	G39
647744	4077973	0.04906	134.6	0	3-HR	ALL	Grid Receptor 4	G4
648944	4075573	0.01795	185.6	0	3-HR	ALL	Grid Receptor 40	G40
649344	4079173	0.0168	187.4	0	3-HR	ALL	Grid Receptor 41	G41
649344	4078773	0.01689	160.9	0	3-HR	ALL	Grid Receptor 42	G42
649344	4078373	0.02011	200.5	0	3-HR	ALL	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	Description	ID
649344	4077973	0.02225	229	0	3-HR	ALL	Grid Receptor 44	G44
649344	4077573	0.15724	253.3	0	3-HR	ALL	Grid Receptor 45	G45
649344	4076373	0.32959	220.2	0	3-HR	ALL	Grid Receptor 48	G48
649344	4075973	0.08736	227.2	0	3-HR	ALL	Grid Receptor 49	G49
647744	4077573	0.05907	163.8	0	3-HR	ALL	Grid Receptor 5	G5
649344	4075573	0.05305	205.5	0	3-HR	ALL	Grid Receptor 50	G50
649744	4079173	0.01968	176.1	0	3-HR	ALL	Grid Receptor 51	G51
649744	4078773	0.02766	195	0	3-HR	ALL	Grid Receptor 52	G52
649744	4078373	0.03359	196.1	0	3-HR	ALL	Grid Receptor 53	G53
649744	4077973	0.03502	215.3	0	3-HR	ALL	Grid Receptor 54	G54
649744	4077573	0.02582	221.6	0	3-HR	ALL	Grid Receptor 55	G55
649744	4076373	0.17638	211.7	0	3-HR	ALL	Grid Receptor 58	G58
649744	4075973	0.13477	237.7	0	3-HR	ALL	Grid Receptor 59	G59
647744	4077173	0.0595	158.4	0	3-HR	ALL	Grid Receptor 6	G6
649744	4075573	0.07348	204.2	0	3-HR	ALL	Grid Receptor 60	G60
650144	4079173	0.03241	173	0	3-HR	ALL	Grid Receptor 61	G61
650144	4078773	0.02801	171	0	3-HR	ALL	Grid Receptor 62	G62
650144	4078373	0.02034	204.6	0	3-HR	ALL	Grid Receptor 63	G63
650144	4077973	0.03766	216.5	0	3-HR	ALL	Grid Receptor 64	G64
650144	4077573	0.15269	257.7	0	3-HR	ALL	Grid Receptor 65	G65
650144	4076373	0.08846	231.4	0	3-HR	ALL	Grid Receptor 68	G68
650144	4075973	0.18542	249.4	0	3-HR	ALL	Grid Receptor 69	G69
647744	4076773	0.05764	164.7	0	3-HR	ALL	Grid Receptor 7	G7
650144	4075573	0.08532	216.4	0	3-HR	ALL	Grid Receptor 70	G70
650544	4079173	0.02071	177	0	3-HR	ALL	Grid Receptor 71	G71
650544	4078773	0.01498	180.9	0	3-HR	ALL	Grid Receptor 72	G72
650544	4078373	0.03827	196.6	0	3-HR	ALL	Grid Receptor 73	G73
650544	4077973	0.05036	236.9	0	3-HR	ALL	Grid Receptor 74	G74
650544	4077573	0.16226	261.3	0	3-HR	ALL	Grid Receptor 75	G75
650544	4076373	0.35714	260.9	0	3-HR	ALL	Grid Receptor 78	G78
650544	4075973	0.10312	226.7	0	3-HR	ALL	Grid Receptor 79	G79
647744	4076373	0.06107	164	0	3-HR	ALL	Grid Receptor 8	G8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	Description	ID
650544	4075573	0.31908	268.2	0	3-HR	ALL	Grid Receptor 80	G80
650944	4079173	0.01888	181.3	0	3-HR	ALL	Grid Receptor 81	G81
650944	4078773	0.02969	178.4	0	3-HR	ALL	Grid Receptor 82	G82
650944	4078373	0.03938	214.8	0	3-HR	ALL	Grid Receptor 83	G83
650944	4077973	0.07313	249.9	0	3-HR	ALL	Grid Receptor 84	G84
650944	4077573	0.3328	276.5	0	3-HR	ALL	Grid Receptor 85	G85
650944	4077173	0.07201	225.6	0	3-HR	ALL	Grid Receptor 86	G86
650944	4076773	0.07997	219.8	0	3-HR	ALL	Grid Receptor 87	G87
650944	4076373	0.07254	209.2	0	3-HR	ALL	Grid Receptor 88	G88
650944	4075973	0.07405	216.6	0	3-HR	ALL	Grid Receptor 89	G89
647744	4075973	0.04536	160.7	0	3-HR	ALL	Grid Receptor 9	G9
650944	4075573	0.06177	243.2	0	3-HR	ALL	Grid Receptor 90	G90
651344	4079173	0.02598	191	0	3-HR	ALL	Grid Receptor 91	G91
651344	4078773	0.02687	181	0	3-HR	ALL	Grid Receptor 92	G92
651344	4078373	0.04447	214.3	0	3-HR	ALL	Grid Receptor 93	G93
651344	4077973	0.05892	248.4	0	3-HR	ALL	Grid Receptor 94	G94
651344	4077573	0.05025	213.2	0	3-HR	ALL	Grid Receptor 95	G95
651344	4077173	0.06017	213.6	0	3-HR	ALL	Grid Receptor 96	G96
651344	4076773	0.06476	203.5	0	3-HR	ALL	Grid Receptor 97	G97
651344	4076373	0.06252	205.6	0	3-HR	ALL	Grid Receptor 98	G98
651344	4075973	0.05505	205.8	0	3-HR	ALL	Grid Receptor 99	G99
648584.2	4077523	0.08532	183.61	0	3-HR	ALL	Boundary Perimeter 1	P1
649484.1	4077537	0.14949	254.01	0	3-HR	ALL	Boundary Perimeter 10	P10
649584	4077539	0.02871	235.3	0	3-HR	ALL	Boundary Perimeter 11	P11
649684	4077540	0.03028	221.29	0	3-HR	ALL	Boundary Perimeter 12	P12
649784	4077541	0.02226	222.37	0	3-HR	ALL	Boundary Perimeter 13	P13
649884	4077542	0.04669	233.6	0	3-HR	ALL	Boundary Perimeter 14	P14
649984	4077543	0.091	249.54	0	3-HR	ALL	Boundary Perimeter 15	P15
650083.9	4077546	0.16603	258.89	0	3-HR	ALL	Boundary Perimeter 16	P16
650183.9	4077548	0.17715	259.56	0	3-HR	ALL	Boundary Perimeter 17	P17
650283.9	4077550	0.14126	256.77	0	3-HR	ALL	Boundary Perimeter 18	P18
650383.8	4077552	0.06383	242.37	0	3-HR	ALL	Boundary Perimeter 19	P19

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	Description	ID
648684.2	4077525	0.09716	197.16	0	3-HR	ALL	Boundary Perimeter 2	P2
650483.8	4077554	0.06103	242.23	0	3-HR	ALL	Boundary Perimeter 20	P20
650583.8	4077557	0.16323	259.71	0	3-HR	ALL	Boundary Perimeter 21	P21
650683.8	4077559	0.14738	257.58	0	3-HR	ALL	Boundary Perimeter 22	P22
650776.8	4077554	0.2681	267.9	0	3-HR	ALL	Boundary Perimeter 23	P23
650778.9	4077454	0.29237	275.91	0	3-HR	ALL	Boundary Perimeter 24	P24
650781	4077354	0.1891	265.73	0	3-HR	ALL	Boundary Perimeter 25	P25
650783.1	4077254	0.07881	251.08	0	3-HR	ALL	Boundary Perimeter 26	P26
650785.2	4077154	0.09774	252.83	0	3-HR	ALL	Boundary Perimeter 27	P27
650787.3	4077054	0.07816	246.1	0	3-HR	ALL	Boundary Perimeter 28	P28
650789.4	4076954	0.07888	241.37	0	3-HR	ALL	Boundary Perimeter 29	P29
648784.2	4077527	0.11583	209.74	0	3-HR	ALL	Boundary Perimeter 3	Р3
650791.5	4076854	0.10349	246.79	0	3-HR	ALL	Boundary Perimeter 30	P30
650793.6	4076754	0.08619	228.75	0	3-HR	ALL	Boundary Perimeter 31	P31
650754.4	4076683	0.09199	217.76	0	3-HR	ALL	Boundary Perimeter 32	P32
650660.2	4076650	0.09239	221.2	0	3-HR	ALL	Boundary Perimeter 33	P33
650561.4	4076650	0.0977	220.83	0	3-HR	ALL	Boundary Perimeter 34	P34
650462.7	4076666	0.10485	223.42	0	3-HR	ALL	Boundary Perimeter 35	P35
650364	4076682	0.10682	222.46	0	3-HR	ALL	Boundary Perimeter 36	P36
650264.2	4076683	0.10725	223.19	0	3-HR	ALL	Boundary Perimeter 37	P37
650164.7	4076674	0.11392	222.1	0	3-HR	ALL	Boundary Perimeter 38	P38
650065.8	4076660	0.13034	217.03	0	3-HR	ALL	Boundary Perimeter 39	P39
648884.2	4077529	0.09895	214.25	0	3-HR	ALL	Boundary Perimeter 4	P4
649980.4	4076627	0.14412	214.82	0	3-HR	ALL	Boundary Perimeter 40	P40
649920.3	4076547	0.12724	214.91	0	3-HR	ALL	Boundary Perimeter 41	P41
649852.2	4076474	0.14137	214.09	0	3-HR	ALL	Boundary Perimeter 42	P42
649770.7	4076417	0.17376	211.53	0	3-HR	ALL	Boundary Perimeter 43	P43
649680.5	4076375	0.19547	210.17	0	3-HR	ALL	Boundary Perimeter 44	P44
649580.9	4076368	0.23796	208.52	0	3-HR	ALL	Boundary Perimeter 45	P45
649482.5	4076384	0.30842	207.5	0	3-HR	ALL	Boundary Perimeter 46	P46
649391.6	4076425	0.30721	205.17	0	3-HR	ALL	Boundary Perimeter 47	P47
649303.5	4076472	0.08857	202.16	0	3-HR	ALL	Boundary Perimeter 48	P48

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	Description	ID
649226.2	4076535	0.06743	196.38	0	3-HR	ALL	Boundary Perimeter 49	P49
648984.1	4077530	0.05377	221.41	0	3-HR	ALL	Boundary Perimeter 5	P5
649156.2	4076605	0.18562	195.87	0	3-HR	ALL	Boundary Perimeter 50	P50
649068.3	4076653	0.30854	196.32	0	3-HR	ALL	Boundary Perimeter 51	P51
648986.7	4076711	0.24511	192.42	0	3-HR	ALL	Boundary Perimeter 52	P52
648936.5	4076759	0.239	192.46	0	3-HR	ALL	Boundary Perimeter 53	P53
648868.6	4076833	0.21375	191.63	0	3-HR	ALL	Boundary Perimeter 54	P54
648797.2	4076902	0.17925	186.32	0	3-HR	ALL	Boundary Perimeter 55	P55
648710.6	4076952	0.16726	179.81	0	3-HR	ALL	Boundary Perimeter 56	P56
648620.8	4076996	0.15426	176.23	0	3-HR	ALL	Boundary Perimeter 57	P57
648607.2	4077051	0.13213	175.02	0	3-HR	ALL	Boundary Perimeter 58	P58
648680.1	4077119	0.10688	180.62	0	3-HR	ALL	Boundary Perimeter 59	P59
649084.1	4077532	0.04021	216.54	0	3-HR	ALL	Boundary Perimeter 6	P6
648759.2	4077180	0.10178	183.47	0	3-HR	ALL	Boundary Perimeter 60	P60
648791.4	4077262	0.14284	202.88	0	3-HR	ALL	Boundary Perimeter 61	P61
648788.5	4077362	0.10613	178.21	0	3-HR	ALL	Boundary Perimeter 62	P62
648691.3	4077361	0.10079	176.25	0	3-HR	ALL	Boundary Perimeter 63	P63
648591.4	4077357	0.09393	176	0	3-HR	ALL	Boundary Perimeter 64	P64
648525.7	4077371	0.09208	175.24	0	3-HR	ALL	Boundary Perimeter 65	P65
648586.9	4077430	0.08114	175.13	0	3-HR	ALL	Boundary Perimeter 66	P66
649184.1	4077534	0.03458	230.71	0	3-HR	ALL	Boundary Perimeter 7	P7
649284.1	4077535	0.09458	248.08	0	3-HR	ALL	Boundary Perimeter 8	P8
649384.1	4077536	0.36012	258.43	0	3-HR	ALL	Boundary Perimeter 9	P9
645930	4077983	0.02467	127.38	0	3-HR	ALL	New Development	RP_G1
645930	4078083	0.02739	127.58	0	3-HR	ALL	New Development	RP_G10
646030	4078083	0.02948	130.56	0	3-HR	ALL	New Development	RP_G11
646130	4078083	0.0313	134.35	0	3-HR	ALL	New Development	RP_G12
646230	4078083	0.0327	139.22	0	3-HR	ALL	New Development	RP_G13
646330	4078083	0.03354	144.65	0	3-HR	ALL	New Development	RP_G14
646430	4078083	0.03354	142.28	0	3-HR	ALL	New Development	RP_G15
646530	4078083	0.03396	146.76	0	3-HR	ALL	New Development	RP_G16
646630	4078083	0.03577	150.64	0	3-HR	ALL	New Development	RP_G17

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	Description	ID
646730	4078083	0.03693	155.4	0	3-HR	ALL	New Development	RP_G18
645930	4078183	0.02924	127.22	0	3-HR	ALL	New Development	RP_G19
646030	4077983	0.02656	131.21	0	3-HR	ALL	New Development	RP_G2
646030	4078183	0.03049	130.56	0	3-HR	ALL	New Development	RP_G20
646130	4078183	0.03126	133.89	0	3-HR	ALL	New Development	RP_G21
646230	4078183	0.03145	140.45	0	3-HR	ALL	New Development	RP_G22
646330	4078183	0.03228	146.94	0	3-HR	ALL	New Development	RP_G23
646430	4078183	0.03353	140.23	0	3-HR	ALL	New Development	RP_G24
646530	4078183	0.03485	147.25	0	3-HR	ALL	New Development	RP_G25
646630	4078183	0.03618	151.56	0	3-HR	ALL	New Development	RP_G26
646730	4078183	0.03793	157.78	0	3-HR	ALL	New Development	RP_G27
645930	4078283	0.02923	126.06	0	3-HR	ALL	New Development	RP_G28
646030	4078283	0.02946	129.56	0	3-HR	ALL	New Development	RP_G29
646130	4077983	0.02913	135.89	0	3-HR	ALL	New Development	RP_G3
646130	4078283	0.03055	132.89	0	3-HR	ALL	New Development	RP_G30
646230	4078283	0.03145	139.24	0	3-HR	ALL	New Development	RP_G31
646330	4078283	0.03284	142.68	0	3-HR	ALL	New Development	RP_G32
646430	4078283	0.03352	140.02	0	3-HR	ALL	New Development	RP_G33
646530	4078283	0.03549	147.22	0	3-HR	ALL	New Development	RP_G34
646630	4078283	0.03643	151.56	0	3-HR	ALL	New Development	RP_G35
646730	4078283	0.03611	156.78	0	3-HR	ALL	New Development	RP_G36
646230	4077983	0.03152	139.18	0	3-HR	ALL	New Development	RP_G4
646330	4077983	0.03357	140.76	0	3-HR	ALL	New Development	RP_G5
646430	4077983	0.03512	143.89	0	3-HR	ALL	New Development	RP_G6
646530	4077983	0.03593	145.22	0	3-HR	ALL	New Development	RP_G7
646630	4077983	0.03582	147.21	0	3-HR	ALL	New Development	RP_G8
646730	4077983	0.03598	148.3	0	3-HR	ALL	New Development	RP_G9
648659.3	4077241	0.12291	205.79	0	3-HR	ALL	House 1	RP_H1
648071.2	4076116	0.04476	169.6	0	3-HR	ALL	House 10	RP_H10
648247.4	4076278	0.04073	184.55	0	3-HR	ALL	House 11	RP_H11
648027.2	4076255	0.04056	169.38	0	3-HR	ALL	House 12	RP_H12
648065.8	4076359	0.06384	173.83	0	3-HR	ALL	House 13	RP_H13

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08:26:38

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	Description	ID
648138.7	4076400	0.06474	178.22	0	3-HR	ALL	House 14	RP_H14
648254.7	4076411	0.06348	191.28	0	3-HR	ALL	House 15	RP_H15
647877.8	4076365	0.06421	165.39	0	3-HR	ALL	House 16	RP_H16
647520	4076206	0.04955	159	0	3-HR	ALL	House 17	RP_H17
647921	4076247	0.04484	164	0	3-HR	ALL	House 18	RP_H18
647708.8	4076352	0.06168	163.52	0	3-HR	ALL	House 19	RP_H19
648371.7	4075470	0.02958	173.69	0	3-HR	ALL	House 2	RP_H2
647703.6	4076251	0.05397	162.17	0	3-HR	ALL	House 20	RP_H20
647718.8	4076104	0.04311	159.35	0	3-HR	ALL	House 21	RP_H21
647843.3	4076125	0.04413	163	0	3-HR	ALL	House 22	RP_H22
647842.3	4076500	0.0592	167.93	0	3-HR	ALL	House 23	RP_H23
647727.8	4076644	0.05849	164.15	0	3-HR	ALL	House 24	RP_H24
647823.9	4076644	0.05984	168.29	0	3-HR	ALL	House 25	RP_H25
647530	4076497	0.05508	159.56	0	3-HR	ALL	House 26	RP_H26
647810.1	4076854	0.07258	162.9	0	3-HR	ALL	House 27	RP_H27
647697.5	4076989	0.05724	161.42	0	3-HR	ALL	House 28	RP_H28
648225.5	4076182	0.04377	183.22	0	3-HR	ALL	House 29	RP_H29
647678.2	4075969	0.04586	159.5	0	3-HR	ALL	House 3	RP_H3
645876.3	4077487	0.02644	127.13	0	3-HR	ALL	House 30	RP_H30
650902	4076062	0.06031	215.24	0	3-HR	ALL	House 31	RP_H31
651490	4076597	0.06148	205.5	0	3-HR	ALL	House 32	RP_H32
651565	4077067	0.05494	213.93	0	3-HR	ALL	House 33	RP_H33
648672.8	4075307	0.01405	225.91	0	3-HR	ALL	House 34	RP_H34
648383.6	4075469	0.02861	174.44	0	3-HR	ALL	House 35	RP_H35
646379.4	4077233	0.03389	146	0	3-HR	ALL	House 36	RP_H36
651849.7	4075865	0.04855	201.97	0	3-HR	ALL	House 37	RP_H37
652045.5	4076210	0.04472	196.88	0	3-HR	ALL	House 38	RP_H38
652255.7	4076391	0.04101	197.06	0	3-HR	ALL	House 39	RP_H39
647815.3	4075985	0.04475	162.04	0	3-HR	ALL	House 4	RP_H4
646853.7	4077373	0.03937	145.99	0	3-HR	ALL	House 40	RP_H40
647050.2	4077360	0.04283	145	0	3-HR	ALL	House 41	RP_H41
647286.4	4077474	0.04771	149.68	0	3-HR	ALL	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	Description	ID
647359.1	4077340	0.04381	154.45	0	3-HR	ALL	House 43	RP_H43
647490.4	4077329	0.04882	162.28	0	3-HR	ALL	House 44	RP_H44
647522.2	4077252	0.05035	164.3	0	3-HR	ALL	House 45	RP_H45
647517.8	4077139	0.04827	164.01	0	3-HR	ALL	House 46	RP_H46
646819	4077258	0.03356	151.53	0	3-HR	ALL	House 47	RP_H47
646778.7	4077128	0.04045	158.51	0	3-HR	ALL	House 48	RP_H48
646987.3	4077213	0.03555	146.44	0	3-HR	ALL	House 49	RP_H49
647898.2	4076033	0.04526	163.83	0	3-HR	ALL	House 5	RP_H5
647241.8	4077227	0.04405	154.85	0	3-HR	ALL	House 50	RP_H50
646773.1	4077063	0.04047	159	0	3-HR	ALL	House 51	RP_H51
647104.4	4077118	0.04358	148.99	0	3-HR	ALL	House 52	RP_H52
647291.9	4077123	0.04243	158.62	0	3-HR	ALL	House 53	RP_H53
646765.2	4076978	0.03756	158.67	0	3-HR	ALL	House 54	RP_H54
646995.7	4076984	0.04365	152.34	0	3-HR	ALL	House 55	RP_H55
647317.2	4077031	0.05187	160.22	0	3-HR	ALL	House 56	RP_H56
647398.4	4077013	0.05419	161.26	0	3-HR	ALL	House 57	RP_H57
646978.9	4076904	0.0431	156.81	0	3-HR	ALL	House 58	RP_H58
647015.2	4076807	0.04565	156.21	0	3-HR	ALL	House 59	RP_H59
648045.4	4076018	0.03972	168.26	0	3-HR	ALL	House 6	RP_H6
647164	4076802	0.048	154.38	0	3-HR	ALL	House 60	RP_H60
647310.6	4076940	0.05313	162.49	0	3-HR	ALL	House 61	RP_H61
647298.1	4076805	0.05013	158	0	3-HR	ALL	House 62	RP_H62
647446.6	4076900	0.05652	159.45	0	3-HR	ALL	House 63	RP_H63
647464.5	4076781	0.05289	159.32	0	3-HR	ALL	House 64	RP_H64
647512	4076536	0.05618	159	0	3-HR	ALL	House 65	RP_H65
651131	4078767	0.02853	179.58	0	3-HR	ALL	House 66	RP_H66
647131	4077336	0.04399	146.77	0	3-HR	ALL	House 67	RP_H67
646798	4076740	0.04556	156.07	0	3-HR	ALL	House 68	RP_H68
646900	4076802	0.04376	159	0	3-HR	ALL	House 69	RP_H69
648126.3	4075955	0.02777	171.51	0	3-HR	ALL	House 7	RP_H7
647317	4076662	0.05345	159.9	0	3-HR	ALL	House 70	RP_H70
648249.3	4075970	0.02134	183.42	0	3-HR	ALL	House 8	RP_H8

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	GRP	Description	ID
648218.6	4076109	0.04061	182.28	0	3-HR	ALL	House 9	RP_H9

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.00876	123.85	0	24-HR	AQ Monitoring Station	AQ_ST_1	
643903.7	4077719	0.00606	105.68	0	24-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	
642056.8	4079416	0.00559	85.12	0	24-HR	Dunne Park	CR_PK_1	
642179.1	4079950	0.00507	117.99	0	24-HR	Vista Park Hill Park	CR_PK_2	
644733.1	4078753	0.00815	106.44	0	24-HR	Las Brisas Park	CR_PK_3	
645608.8	4078854	0.00766	112.86	0	24-HR	Frank Klauer Memorial Park	CR_PK_4	
644238.1	4078807	0.00779	95.25	0	24-HR	Veterans Memorial Park	CR_PK_5	
645311.5	4076559	0.0063	134.61	0	24-HR	Park 6	CR_PK_6	
649581.7	4073424	0.00543	159.96	0	24-HR	Park 7	CR_PK_7	
645145.1	4077181	0.00748	133	0	24-HR	Cerra Vista Elem School	CR_SC_1	
642904.7	4079955	0.0046	86	0	24-HR	San Andreas Continuation	CR_SC_10	
645850.7	4074015	0.00184	123	0	24-HR	SouthSide School	CR_SC_11	
642105.7	4078176	0.00561	91	0	24-HR	School 12	CR_SC_12	
646058.9	4078443	0.0103	128.52	0	24-HR	Rancho Santana School	CR_SC_13	-
647269	4075575	0.00377	158	0	24-HR	Future School	CR_SC_14	School 2
648466	4074106	0.00273	159	0	24-HR	Tres Pinos Union Elementary School	CR_SC_15	
644109.6	4078389	0.00709	98.2	0	24-HR	Sunnyslope Elem School	CR_SC_2	
643920.1	4077304	0.00572	101.23	0	24-HR	Hollister Montessori School	CR_SC_3	
642961.1	4078621	0.00536	92	0	24-HR	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.00516	88	0	24-HR	Marguerite Maze Middle School	CR_SC_5	
641630.2	4079153	0.0049	85	0	24-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.00544	98.22	0	24-HR	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.00561	87	0	24-HR	Gabilan Hills Elementary School	CR_SC_8	
642244.9	4078413	0.00493	90.17	0	24-HR	San Benito High School	CR_SC_9	
642083.4	4079794	0.00519	87.58	0	24-HR	Jovenes De Antano	CR_SR_1	
646402	4076879	0.01152	146.33	0	24-HR	Workplace	CR_WP_1	MEIW
648949	4077938	0.00435	189.45	0	24-HR	Nearest Workplace	CR_WP_2	
647744	4079173	0.01216	155.2	0	24-HR	Grid Receptor 1	G1	
647744	4075573	0.00178	160	0	24-HR	Grid Receptor 10	G10	
651344	4075573	0.02798	252.9	0	24-HR	Grid Receptor 100	G100	
648144	4079173	0.00809	165.9	0	24-HR	Grid Receptor 11	G11	
648144	4078773	0.01306	159.6	0	24-HR	Grid Receptor 12	G12	

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.01706	146.2	0	24-HR	Grid Receptor 13	G13
648144	4077973	0.01566	158.3	0	24-HR	Grid Receptor 14	G14
648144	4077573	0.02195	166.6	0	24-HR	Grid Receptor 15	G15
648144	4077173	0.04768	175.4	0	24-HR	Grid Receptor 16	G16
648144	4076773	0.02747	177.1	0	24-HR	Grid Receptor 17	G17
648144	4076373	0.02174	178	0	24-HR	Grid Receptor 18	G18
648144	4075973	0.00402	173	0	24-HR	Grid Receptor 19	G19
647744	4078773	0.01279	145.4	0	24-HR	Grid Receptor 2	G2
648144	4075573	0.00446	168.8	0	24-HR	Grid Receptor 20	G20
648544	4079173	0.00311	173.5	0	24-HR	Grid Receptor 21	G21
648544	4078773	0.00423	166.2	0	24-HR	Grid Receptor 22	G22
648544	4078373	0.00934	145.4	0	24-HR	Grid Receptor 23	G23
648544	4077973	0.02139	173.9	0	24-HR	Grid Receptor 24	G24
648544	4077573	0.02871	179.6	0	24-HR	Grid Receptor 25	G25
648544	4077173	0.03648	191	0	24-HR	Grid Receptor 26	G26
648544	4076773	0.06884	209.2	0	24-HR	Grid Receptor 27	G27
648544	4076373	0.03129	233.7	0	24-HR	Grid Receptor 28	G28
648544	4075973	0.00464	199.9	0	24-HR	Grid Receptor 29	G29
647744	4078373	0.01288	144.4	0	24-HR	Grid Receptor 3	G3
648544	4075573	0.0059	195.5	0	24-HR	Grid Receptor 30	G30
648944	4079173	0.00457	190.4	0	24-HR	Grid Receptor 31	G31
648944	4078773	0.00453	165.4	0	24-HR	Grid Receptor 32	G32
648944	4078373	0.00449	159.6	0	24-HR	Grid Receptor 33	G33
648944	4077973	0.0043	183.5	0	24-HR	Grid Receptor 34	G34
648944	4077573	0.01285	224	0	24-HR	Grid Receptor 35	G35
648944	4076373	0.01005	205	0	24-HR	Grid Receptor 38	G38
648944	4075973	0.01017	208.8	0	24-HR	Grid Receptor 39	G39
647744	4077973	0.0155	134.6	0	24-HR	Grid Receptor 4	G4
648944	4075573	0.00381	185.6	0	24-HR	Grid Receptor 40	G40
649344	4079173	0.00299	187.4	0	24-HR	Grid Receptor 41	G41
649344	4078773	0.00285	160.9	0	24-HR	Grid Receptor 42	G42
649344	4078373	0.00319	200.5	0	24-HR	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00406	229	0	24-HR	Grid Receptor 44	G44
649344	4077573	0.0355	253.3	0	24-HR	Grid Receptor 45	G45
649344	4076373	0.07745	220.2	0	24-HR	Grid Receptor 48	G48
649344	4075973	0.02283	227.2	0	24-HR	Grid Receptor 49	G49
647744	4077573	0.02265	163.8	0	24-HR	Grid Receptor 5	G5
649344	4075573	0.0135	205.5	0	24-HR	Grid Receptor 50	G50
649744	4079173	0.00284	176.1	0	24-HR	Grid Receptor 51	G51
649744	4078773	0.00399	195	0	24-HR	Grid Receptor 52	G52
649744	4078373	0.00485	196.1	0	24-HR	Grid Receptor 53	G53
649744	4077973	0.00508	215.3	0	24-HR	Grid Receptor 54	G54
649744	4077573	0.00421	221.6	0	24-HR	Grid Receptor 55	G55
649744	4076373	0.05769	211.7	0	24-HR	Grid Receptor 58	G58
649744	4075973	0.04482	237.7	0	24-HR	Grid Receptor 59	G59
647744	4077173	0.02505	158.4	0	24-HR	Grid Receptor 6	G6
649744	4075573	0.02444	204.2	0	24-HR	Grid Receptor 60	G60
650144	4079173	0.00466	173	0	24-HR	Grid Receptor 61	G61
650144	4078773	0.00403	171	0	24-HR	Grid Receptor 62	G62
650144	4078373	0.00294	204.6	0	24-HR	Grid Receptor 63	G63
650144	4077973	0.00829	216.5	0	24-HR	Grid Receptor 64	G64
650144	4077573	0.02096	257.7	0	24-HR	Grid Receptor 65	G65
650144	4076373	0.04795	231.4	0	24-HR	Grid Receptor 68	G68
650144	4075973	0.04265	249.4	0	24-HR	Grid Receptor 69	G69
647744	4076773	0.01914	164.7	0	24-HR	Grid Receptor 7	G7
650144	4075573	0.02282	216.4	0	24-HR	Grid Receptor 70	G70
650544	4079173	0.00305	177	0	24-HR	Grid Receptor 71	G71
650544	4078773	0.0035	180.9	0	24-HR	Grid Receptor 72	G72
650544	4078373	0.00889	196.6	0	24-HR	Grid Receptor 73	G73
650544	4077973	0.01155	236.9	0	24-HR	Grid Receptor 74	G74
650544	4077573	0.03207	261.3	0	24-HR	Grid Receptor 75	G75
650544	4076373	0.05455	260.9	0	24-HR	Grid Receptor 78	G78
650544	4075973	0.03047	226.7	0	24-HR	Grid Receptor 79	G79
647744	4076373	0.01892	164	0	24-HR	Grid Receptor 8	G8

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650944 4079173 0.00459 181.3 0 24-HR Grid Receptor 81 0 650944 4078773 0.00722 178.4 0 24-HR Grid Receptor 82 0 650944 4078373 0.00927 214.8 0 24-HR Grid Receptor 83 0 650944 4077973 0.01324 249.9 0 24-HR Grid Receptor 84 0 650944 4077573 0.0419 276.5 0 24-HR Grid Receptor 85 0 650944 4077173 0.02212 225.6 0 24-HR Grid Receptor 86 0 650944 4076773 0.02149 219.8 0 24-HR Grid Receptor 87 0 650944 4076373 0.03594 209.2 0 24-HR Grid Receptor 88 0 650944 4075973 0.02001 216.6 0 24-HR Grid Receptor 99 0 647744 4075973 0.00823 160.7 0 24-HR <th>ID</th>	ID
650944 4078773 0.00722 178.4 0 24-HR Grid Receptor 82 0 650944 4078373 0.00927 214.8 0 24-HR Grid Receptor 83 0 650944 4077973 0.01324 249.9 0 24-HR Grid Receptor 84 0 650944 4077573 0.0419 276.5 0 24-HR Grid Receptor 85 0 650944 4077173 0.02212 225.6 0 24-HR Grid Receptor 86 0 650944 4076773 0.02149 219.8 0 24-HR Grid Receptor 87 0 650944 4076373 0.03594 209.2 0 24-HR Grid Receptor 88 0 650944 4075973 0.02001 216.6 0 24-HR Grid Receptor 9 0 647744 4075973 0.00823 160.7 0 24-HR Grid Receptor 9 0 650944 4075573 0.0192 243.2 0 24-HR	G80
650944 4078373 0.00927 214.8 0 24-HR Grid Receptor 83 0 650944 4077973 0.01324 249.9 0 24-HR Grid Receptor 84 0 650944 4077573 0.0419 276.5 0 24-HR Grid Receptor 85 0 650944 4077173 0.02212 225.6 0 24-HR Grid Receptor 86 0 650944 4076773 0.02149 219.8 0 24-HR Grid Receptor 87 0 650944 4076373 0.03594 209.2 0 24-HR Grid Receptor 88 0 650944 4075973 0.02001 216.6 0 24-HR Grid Receptor 89 0 647744 4075973 0.00823 160.7 0 24-HR Grid Receptor 9 650944 4075573 0.0192 243.2 0 24-HR Grid Receptor 90 0	G81
650944 4077973 0.01324 249.9 0 24-HR Grid Receptor 84 0 650944 4077573 0.0419 276.5 0 24-HR Grid Receptor 85 0 650944 4077173 0.02212 225.6 0 24-HR Grid Receptor 86 0 650944 4076773 0.02149 219.8 0 24-HR Grid Receptor 87 0 650944 4076373 0.03594 209.2 0 24-HR Grid Receptor 88 0 650944 4075973 0.02001 216.6 0 24-HR Grid Receptor 89 0 647744 4075973 0.00823 160.7 0 24-HR Grid Receptor 9 650944 4075573 0.0192 243.2 0 24-HR Grid Receptor 90 0	G82
650944 4077573 0.0419 276.5 0 24-HR Grid Receptor 85 0 650944 4077173 0.02212 225.6 0 24-HR Grid Receptor 86 0 650944 4076773 0.02149 219.8 0 24-HR Grid Receptor 87 0 650944 4076373 0.03594 209.2 0 24-HR Grid Receptor 88 0 650944 4075973 0.02001 216.6 0 24-HR Grid Receptor 89 0 647744 4075973 0.00823 160.7 0 24-HR Grid Receptor 9 650944 4075573 0.0192 243.2 0 24-HR Grid Receptor 90	G83
650944 4077173 0.02212 225.6 0 24-HR Grid Receptor 86 0 650944 4076773 0.02149 219.8 0 24-HR Grid Receptor 87 0 650944 4076373 0.03594 209.2 0 24-HR Grid Receptor 88 0 650944 4075973 0.02001 216.6 0 24-HR Grid Receptor 89 0 647744 4075973 0.00823 160.7 0 24-HR Grid Receptor 9 0 650944 4075573 0.0192 243.2 0 24-HR Grid Receptor 90 0	G84
650944 4076773 0.02149 219.8 0 24-HR Grid Receptor 87 0 650944 4076373 0.03594 209.2 0 24-HR Grid Receptor 88 0 650944 4075973 0.02001 216.6 0 24-HR Grid Receptor 89 0 647744 4075973 0.00823 160.7 0 24-HR Grid Receptor 9 650944 4075573 0.0192 243.2 0 24-HR Grid Receptor 90 0	G85
650944 4076373 0.03594 209.2 0 24-HR Grid Receptor 88 0 650944 4075973 0.02001 216.6 0 24-HR Grid Receptor 89 0 647744 4075973 0.00823 160.7 0 24-HR Grid Receptor 9 650944 4075573 0.0192 243.2 0 24-HR Grid Receptor 90	G86
650944 4075973 0.02001 216.6 0 24-HR Grid Receptor 89 0 647744 4075973 0.00823 160.7 0 24-HR Grid Receptor 9 650944 4075573 0.0192 243.2 0 24-HR Grid Receptor 90	G87
647744 4075973 0.00823 160.7 0 24-HR Grid Receptor 9 650944 4075573 0.0192 243.2 0 24-HR Grid Receptor 90 0	388
650944 4075573 0.0192 243.2 0 24-HR Grid Receptor 90 0	G89
<u> </u>	G9
(51244 4070172 0.00(52 101 024 JD (C.1D 401 (C.1D 4	390
651344 4079173 0.00653 191 0 24-HR Grid Receptor 91	G91
651344 4078773 0.00606 181 0 24-HR Grid Receptor 92	G92
651344 4078373 0.00836 214.3 0 24-HR Grid Receptor 93	G93
651344 4077973 0.02302 248.4 0 24-HR Grid Receptor 94	G94
651344 4077573 0.01907 213.2 0 24-HR Grid Receptor 95	G95
651344 4077173 0.01437 213.6 0 24-HR Grid Receptor 96	G96
651344 4076773 0.02163 203.5 0 24-HR Grid Receptor 97	G97
651344 4076373 0.0301 205.6 0 24-HR Grid Receptor 98	398
651344 4075973 0.01655 205.8 0 24-HR Grid Receptor 99	399
648584.2 4077523 0.03087 183.61 0 24-HR Boundary Perimeter 1	P1
649484.1 4077537 0.04769 254.01 0 24-HR Boundary Perimeter 10 I	P10
649584 4077539 0.00565 235.3 0 24-HR Boundary Perimeter 11 I	P11
649684 4077540 0.00418 221.29 0 24-HR Boundary Perimeter 12 I	P12
649784 4077541 0.00514 222.37 0 24-HR Boundary Perimeter 13 I	P13
649884 4077542 0.00991 233.6 0 24-HR Boundary Perimeter 14 I	P14
649984 4077543 0.01996 249.54 0 24-HR Boundary Perimeter 15 I	P15
650083.9 4077546 0.0291 258.89 0 24-HR Boundary Perimeter 16 I	P16
650183.9 4077548 0.03051 259.56 0 24-HR Boundary Perimeter 17 I	P17
650283.9 4077550 0.02211 256.77 0 24-HR Boundary Perimeter 18 I	P18
650383.8 4077552 0.01159 242.37 0 24-HR Boundary Perimeter 19 I	P19

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684.2	4077525	0.0384	197.16	0	24-HR	Boundary Perimeter 2	P2
650483.8	4077554	0.0189	242.23	0	24-HR	Boundary Perimeter 20	P20
650583.8	4077557	0.02889	259.71	0	24-HR	Boundary Perimeter 21	P21
650683.8	4077559	0.03393	257.58	0	24-HR	Boundary Perimeter 22	P22
650776.8	4077554	0.05327	267.9	0	24-HR	Boundary Perimeter 23	P23
650778.9	4077454	0.03986	275.91	0	24-HR	Boundary Perimeter 24	P24
650781	4077354	0.05162	265.73	0	24-HR	Boundary Perimeter 25	P25
650783.1	4077254	0.02919	251.08	0	24-HR	Boundary Perimeter 26	P26
650785.2	4077154	0.03459	252.83	0	24-HR	Boundary Perimeter 27	P27
650787.3	4077054	0.02776	246.1	0	24-HR	Boundary Perimeter 28	P28
650789.4	4076954	0.02043	241.37	0	24-HR	Boundary Perimeter 29	P29
648784.2	4077527	0.03964	209.74	0	24-HR	Boundary Perimeter 3	Р3
650791.5	4076854	0.0245	246.79	0	24-HR	Boundary Perimeter 30	P30
650793.6	4076754	0.02218	228.75	0	24-HR	Boundary Perimeter 31	P31
650754.4	4076683	0.02715	217.76	0	24-HR	Boundary Perimeter 32	P32
650660.2	4076650	0.0286	221.2	0	24-HR	Boundary Perimeter 33	P33
650561.4	4076650	0.02847	220.83	0	24-HR	Boundary Perimeter 34	P34
650462.7	4076666	0.02702	223.42	0	24-HR	Boundary Perimeter 35	P35
650364	4076682	0.0248	222.46	0	24-HR	Boundary Perimeter 36	P36
650264.2	4076683	0.02783	223.19	0	24-HR	Boundary Perimeter 37	P37
650164.7	4076674	0.03115	222.1	0	24-HR	Boundary Perimeter 38	P38
650065.8	4076660	0.03643	217.03	0	24-HR	Boundary Perimeter 39	P39
648884.2	4077529	0.0256	214.25	0	24-HR	Boundary Perimeter 4	P4
649980.4	4076627	0.03996	214.82	0	24-HR	Boundary Perimeter 40	P40
649920.3	4076547	0.05563	214.91	0	24-HR	Boundary Perimeter 41	P41
649852.2	4076474	0.07142	214.09	0	24-HR	Boundary Perimeter 42	P42
649770.7	4076417	0.07838	211.53	0	24-HR	Boundary Perimeter 43	P43
649680.5	4076375	0.07074	210.17	0	24-HR	Boundary Perimeter 44	P44
649580.9	4076368	0.09189	208.52	0	24-HR	Boundary Perimeter 45	P45
649482.5	4076384	0.11063	207.5	0	24-HR	Boundary Perimeter 46	P46
649391.6	4076425	0.09585	205.17	0	24-HR	Boundary Perimeter 47	P47
649303.5	4076472	0.01556	202.16	0	24-HR	Boundary Perimeter 48	P48

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
649226.2	4076535	0.00995	196.38	0	24-HR	Boundary Perimeter 49	P49	
648984.1	4077530	0.011	221.41	0	24-HR	Boundary Perimeter 5	P5	
649156.2	4076605	0.04202	195.87	0	24-HR	Boundary Perimeter 50	P50	
649068.3	4076653	0.12205	196.32	0	24-HR	Boundary Perimeter 51	P51	
648986.7	4076711	0.12549	192.42	0	24-HR	Boundary Perimeter 52	P52	PM
648936.5	4076759	0.11731	192.46	0	24-HR	Boundary Perimeter 53	P53	
648868.6	4076833	0.08661	191.63	0	24-HR	Boundary Perimeter 54	P54	
648797.2	4076902	0.06249	186.32	0	24-HR	Boundary Perimeter 55	P55	
648710.6	4076952	0.06079	179.81	0	24-HR	Boundary Perimeter 56	P56	
648620.8	4076996	0.06046	176.23	0	24-HR	Boundary Perimeter 57	P57	
648607.2	4077051	0.04118	175.02	0	24-HR	Boundary Perimeter 58	P58	
648680.1	4077119	0.03489	180.62	0	24-HR	Boundary Perimeter 59	P59	
649084.1	4077532	0.00594	216.54	0	24-HR	Boundary Perimeter 6	P6	
648759.2	4077180	0.03561	183.47	0	24-HR	Boundary Perimeter 60	P60	
648791.4	4077262	0.04957	202.88	0	24-HR	Boundary Perimeter 61	P61	
648788.5	4077362	0.04113	178.21	0	24-HR	Boundary Perimeter 62	P62	
648691.3	4077361	0.03479	176.25	0	24-HR	Boundary Perimeter 63	P63	
648591.4	4077357	0.02841	176	0	24-HR	Boundary Perimeter 64	P64	
648525.7	4077371	0.02724	175.24	0	24-HR	Boundary Perimeter 65	P65	
648586.9	4077430	0.0269	175.13	0	24-HR	Boundary Perimeter 66	P66	
649184.1	4077534	0.00746	230.71	0	24-HR	Boundary Perimeter 7	P7	
649284.1	4077535	0.0171	248.08	0	24-HR	Boundary Perimeter 8	P8	
649384.1	4077536	0.06101	258.43	0	24-HR	Boundary Perimeter 9	P9	
645930	4077983	0.01209	127.38	0	24-HR	New Development	RP_G1	
646030	4077983	0.01241	131.21	0	24-HR	New Development	RP_G2	
646130	4077983	0.01269	135.89	0	24-HR	New Development	RP_G3	
646230	4077983	0.01293	139.18	0	24-HR	New Development	RP_G4	
646330	4077983	0.01309	140.76	0	24-HR	New Development	RP_G5	
646430	4077983	0.01351	143.89	0	24-HR	New Development	RP_G6	
646530	4077983	0.01438	145.22	0	24-HR	New Development	RP_G7	
646630	4077983	0.01512	147.21	0	24-HR	New Development	RP_G8	
646730	4077983	0.01561	148.3	0	24-HR	New Development	RP_G9	

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648071.2 4076116 0.01092 169.6 0 24-HR House 10 RP_H10 648247.4 4076278 0.017 184.55 0 24-HR House 11 RP_H11 648027.2 4076255 0.01651 169.38 0 24-HR House 12 RP_H12	X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646130 4078083 0.01213 134.35 0 24-HR New Development RP_G12 646230 4078083 0.01223 139.22 0 24-HR New Development RP G13 646330 4078083 0.01301 14465 0 24-HR New Development RP G15 646330 4078083 0.01357 142.28 0 24-HR New Development RP G15 646530 4078083 0.0141 146.76 0 24-HR New Development RP G16 646530 4078083 0.01439 150.64 0 24-HR New Development RP G16 646730 4078083 0.01433 155.4 0 24-HR New Development RP G18 64530 4078183 0.01129 127.22 0 24-HR New Development RP G19 646030 4078183 0.01167 133.89 0 24-HR New Development RP G21 646330 4078183 0.01231 140.45 <td>645930</td> <td>4078083</td> <td>0.01184</td> <td>127.58</td> <td>0</td> <td>24-HR</td> <td>New Development</td> <td>RP_G10</td>	645930	4078083	0.01184	127.58	0	24-HR	New Development	RP_G10
646230 4078083 0.01223 139.22 0 24-HR New Development RP_G13 646330 4078083 0.01301 144.65 0 24-HR New Development RP_G14 646330 4078083 0.01357 142.28 0 24-HR New Development RP_G16 646530 4078083 0.0141 146.76 0 24-HR New Development RP_G16 646530 4078083 0.01439 150.64 0 24-HR New Development RP_G17 646730 4078083 0.01439 150.64 0 24-HR New Development RP_G18 646730 4078183 0.01129 127.22 0 24-HR New Development RP_G19 646330 4078183 0.01133 130.56 0 24-HR New Development RP_G21 646330 4078183 0.01167 133.89 0 24-HR New Development RP_G21 646230 4078183 0.01231 140.45	646030	4078083	0.012	130.56	0	24-HR	New Development	RP_G11
646330 4078083 0.01301 144.65 0 24-HR New Development RP_G14 646430 4078083 0.01357 142.28 0 24-HR New Development RP_G15 646530 4078083 0.0141 146.76 0 24-HR New Development RP_G16 646630 4078083 0.01439 150.64 0 24-HR New Development RP_G17 646730 4078083 0.01433 155.4 0 24-HR New Development RP_G18 645930 4078183 0.01129 127.22 0 24-HR New Development RP_G29 646130 4078183 0.01167 133.89 0 24-HR New Development RP_G29 646330 4078183 0.01231 140.45 0 24-HR New Development RP_G21 646330 4078183 0.01284 146.94 0 24-HR New Development RP_G22 646530 4078183 0.01292 140.23<	646130	4078083	0.01213	134.35	0	24-HR	New Development	RP_G12
646430 4078083 0.01357 142.28 0 24-HR New Development RP_G15 646530 4078083 0.0141 146.76 0 24-HR New Development RP_G16 646530 4078083 0.01439 150.64 0 24-HR New Development RP_G17 646730 4078083 0.01443 155.4 0 24-HR New Development RP_G18 645930 4078183 0.01129 127.22 0 24-HR New Development RP_G19 646330 4078183 0.01133 130.56 0 24-HR New Development RP_G21 646230 4078183 0.011231 140.45 0 24-HR New Development RP_G21 646330 4078183 0.01284 146.94 0 24-HR New Development RP_G22 646530 4078183 0.01292 140.23 0 24-HR New Development RP_G22 646530 4078183 0.01292 140.23	646230	4078083	0.01223	139.22	0	24-HR	New Development	RP_G13
646530 4078083 0.0141 146.76 0 24-HR New Development RP_G16 646630 4078083 0.01439 150.64 0 24-HR New Development RP_G17 646730 4078083 0.01143 155.4 0 24-HR New Development RP_G18 645930 4078183 0.01129 127.22 0 24-HR New Development RP_G19 646030 4078183 0.01167 133.89 0 24-HR New Development RP_G20 646130 4078183 0.01231 140.45 0 24-HR New Development RP_G22 646330 4078183 0.01284 146.94 0 24-HR New Development RP_G22 646530 4078183 0.01292 140.23 0 24-HR New Development RP_G23 646530 4078183 0.01292 140.23 0 24-HR New Development RP_G24 646530 4078183 0.01295 147.25<	646330	4078083	0.01301	144.65	0	24-HR	New Development	RP_G14
646630 4078083 0.01439 150.64 0 24-HR New Development RP_G17 646730 4078083 0.01443 155.4 0 24-HR New Development RP_G18 645930 4078183 0.01129 127.22 0 24-HR New Development RP_G19 646030 4078183 0.01133 130.56 0 24-HR New Development RP_G21 646130 4078183 0.01231 140.45 0 24-HR New Development RP_G22 646330 4078183 0.01284 146.94 0 24-HR New Development RP_G23 646430 4078183 0.01292 140.23 0 24-HR New Development RP_G23 646530 4078183 0.01292 140.23 0 24-HR New Development RP_G24 646530 4078183 0.01288 151.56 0 24-HR New Development RP_G25 646530 4078183 0.01288 151.56	646430	4078083	0.01357	142.28	0	24-HR	New Development	RP_G15
646730 4078083 0.01443 155.4 0 24-HR New Development RP G18 645930 4078183 0.01129 127.22 0 24-HR New Development RP G19 646030 4078183 0.01133 130.56 0 24-HR New Development RP G21 646230 4078183 0.01167 133.89 0 24-HR New Development RP G21 646230 4078183 0.01231 140.45 0 24-HR New Development RP G22 646330 4078183 0.01284 146.94 0 24-HR New Development RP G23 646430 4078183 0.01292 140.23 0 24-HR New Development RP G24 646530 4078183 0.01288 151.56 0 24-HR New Development RP G25 646630 4078183 0.01288 151.56 0 24-HR New Development RP G25 646730 4078183 0.01058 126.06	646530	4078083	0.0141	146.76	0	24-HR	New Development	RP_G16
645930 4078183 0.01129 127.22 0 24-HR New Development RP_G19 646030 4078183 0.01133 130.56 0 24-HR New Development RP_G20 646130 4078183 0.01167 133.89 0 24-HR New Development RP_G21 646230 4078183 0.01231 140.45 0 24-HR New Development RP_G22 646330 4078183 0.01284 146.94 0 24-HR New Development RP_G23 646430 4078183 0.01292 140.23 0 24-HR New Development RP_G24 646530 4078183 0.01305 147.25 0 24-HR New Development RP_G25 646630 4078183 0.01288 151.56 0 24-HR New Development RP_G26 646730 4078183 0.01247 157.78 0 24-HR New Development RP_G26 646730 4078283 0.01109 129.5	646630	4078083	0.01439	150.64	0	24-HR	New Development	RP_G17
646030 4078183 0.01133 130.56 0 24-HR New Development RP G20 646130 4078183 0.01167 133.89 0 24-HR New Development RP G21 646230 4078183 0.01231 140.45 0 24-HR New Development RP G22 646330 4078183 0.01284 146.94 0 24-HR New Development RP G23 646430 4078183 0.01292 140.23 0 24-HR New Development RP G25 646530 4078183 0.01305 147.25 0 24-HR New Development RP G25 646630 4078183 0.01288 151.56 0 24-HR New Development RP G25 646730 4078183 0.01247 157.78 0 24-HR New Development RP G26 646730 4078283 0.01058 126.06 0 24-HR New Development RP G28 646300 4078283 0.0115 132.89	646730	4078083	0.01443	155.4	0	24-HR	New Development	RP_G18
646130 4078183 0.01167 133.89 0 24-HR New Development RP G21 646230 4078183 0.01231 140.45 0 24-HR New Development RP G22 646330 4078183 0.01284 146.94 0 24-HR New Development RP G23 646430 4078183 0.01292 140.23 0 24-HR New Development RP G25 646530 4078183 0.01305 147.25 0 24-HR New Development RP G25 646630 4078183 0.01288 151.56 0 24-HR New Development RP G26 646730 4078183 0.01247 157.78 0 24-HR New Development RP G27 645930 4078283 0.01058 126.06 0 24-HR New Development RP G28 646030 4078283 0.0115 132.89 0 24-HR New Development RP G30 646330 4078283 0.01182 139.24	645930	4078183	0.01129	127.22	0	24-HR	New Development	RP_G19
646230 4078183 0.01231 140.45 0 24-HR New Development RP_G22 646330 4078183 0.01284 146.94 0 24-HR New Development RP_G23 646430 4078183 0.01292 140.23 0 24-HR New Development RP_G24 646530 4078183 0.01305 147.25 0 24-HR New Development RP_G25 646630 4078183 0.01288 151.56 0 24-HR New Development RP_G26 646730 4078183 0.01247 157.78 0 24-HR New Development RP_G27 646730 4078283 0.01058 126.06 0 24-HR New Development RP_G28 646030 4078283 0.01109 129.56 0 24-HR New Development RP_G29 646130 4078283 0.0115 132.89 0 24-HR New Development RP_G30 646330 4078283 0.01193 142.68	646030	4078183	0.01133	130.56	0	24-HR	New Development	RP_G20
646330 4078183 0.01284 146.94 0 24-HR New Development RP_G23 646430 4078183 0.01292 140.23 0 24-HR New Development RP_G24 646530 4078183 0.01305 147.25 0 24-HR New Development RP_G25 646630 4078183 0.01288 151.56 0 24-HR New Development RP_G26 646730 4078183 0.01247 157.78 0 24-HR New Development RP_G27 645930 4078283 0.01058 126.06 0 24-HR New Development RP_G28 646030 4078283 0.01109 129.56 0 24-HR New Development RP_G28 646130 4078283 0.0115 132.89 0 24-HR New Development RP_G30 646330 4078283 0.01193 142.68 0 24-HR New Development RP_G32 646430 4078283 0.01172 140.02	646130	4078183	0.01167	133.89	0	24-HR	New Development	RP_G21
646430 4078183 0.01292 140.23 0 24-HR New Development RP_G24 646530 4078183 0.01305 147.25 0 24-HR New Development RP_G25 646630 4078183 0.01288 151.56 0 24-HR New Development RP_G26 646730 4078183 0.01247 157.78 0 24-HR New Development RP_G27 645930 4078283 0.01058 126.06 0 24-HR New Development RP_G28 646030 4078283 0.01109 129.56 0 24-HR New Development RP_G39 646130 4078283 0.0115 132.89 0 24-HR New Development RP_G30 646230 4078283 0.01182 139.24 0 24-HR New Development RP_G32 646430 4078283 0.01193 142.68 0 24-HR New Development RP_G32 646530 4078283 0.01172 140.02	646230	4078183	0.01231	140.45	0	24-HR	New Development	RP_G22
646530 4078183 0.01305 147.25 0 24-HR New Development RP_G25 646630 4078183 0.01288 151.56 0 24-HR New Development RP_G26 646730 4078183 0.01247 157.78 0 24-HR New Development RP_G27 645930 4078283 0.01058 126.06 0 24-HR New Development RP_G28 646030 4078283 0.01109 129.56 0 24-HR New Development RP_G29 646130 4078283 0.0115 132.89 0 24-HR New Development RP_G30 646230 4078283 0.01182 139.24 0 24-HR New Development RP_G32 646430 4078283 0.01193 142.68 0 24-HR New Development RP_G32 646430 4078283 0.01172 140.02 0 24-HR New Development RP_G34 646630 4078283 0.01146 147.22	646330	4078183	0.01284	146.94	0	24-HR	New Development	RP_G23
646630 4078183 0.01288 151.56 0 24-HR New Development RP_G26 646730 4078183 0.01247 157.78 0 24-HR New Development RP_G27 645930 4078283 0.01058 126.06 0 24-HR New Development RP_G28 646030 4078283 0.01109 129.56 0 24-HR New Development RP_G39 646130 4078283 0.0115 132.89 0 24-HR New Development RP_G30 646230 4078283 0.01182 139.24 0 24-HR New Development RP_G31 646330 4078283 0.01193 142.68 0 24-HR New Development RP_G32 646430 4078283 0.01172 140.02 0 24-HR New Development RP_G33 646530 4078283 0.01146 147.22 0 24-HR New Development RP_G35 646730 4078283 0.01134 151.56	646430	4078183	0.01292	140.23	0	24-HR	New Development	RP_G24
646730 4078183 0.01247 157.78 0 24-HR New Development RP_G27 645930 4078283 0.01058 126.06 0 24-HR New Development RP_G28 646030 4078283 0.01109 129.56 0 24-HR New Development RP_G39 646130 4078283 0.0115 132.89 0 24-HR New Development RP_G30 646230 4078283 0.01182 139.24 0 24-HR New Development RP_G31 646330 4078283 0.01193 142.68 0 24-HR New Development RP_G32 646430 4078283 0.01172 140.02 0 24-HR New Development RP_G33 646530 4078283 0.01146 147.22 0 24-HR New Development RP_G35 646730 4078283 0.01134 151.56 0 24-HR New Development RP_G35 648659.3 4077241 0.03669 205.	646530	4078183	0.01305	147.25	0	24-HR	New Development	RP_G25
64593040782830.01058126.06024-HRNew DevelopmentRP_G2864603040782830.01109129.56024-HRNew DevelopmentRP_G2964613040782830.0115132.89024-HRNew DevelopmentRP_G3064623040782830.01182139.24024-HRNew DevelopmentRP_G3164633040782830.01193142.68024-HRNew DevelopmentRP_G3264643040782830.01172140.02024-HRNew DevelopmentRP_G3364653040782830.01146147.22024-HRNew DevelopmentRP_G3464663040782830.01134151.56024-HRNew DevelopmentRP_G3564673040782830.01194156.78024-HRNew DevelopmentRP_G36648659.340772410.03669205.79024-HRHouse 1RP_H1648071.240761160.01092169.6024-HRHouse 10RP_H10648247.440762780.017184.55024-HRHouse 11RP_H11648027.240762550.01651169.38024-HRHouse 12RP_H12	646630	4078183	0.01288	151.56	0	24-HR	New Development	RP_G26
646030 4078283 0.01109 129.56 0 24-HR New Development RP_G29 646130 4078283 0.0115 132.89 0 24-HR New Development RP_G30 646230 4078283 0.01182 139.24 0 24-HR New Development RP_G31 646330 4078283 0.01193 142.68 0 24-HR New Development RP_G32 646430 4078283 0.01172 140.02 0 24-HR New Development RP_G33 646530 4078283 0.01146 147.22 0 24-HR New Development RP_G34 646630 4078283 0.01134 151.56 0 24-HR New Development RP_G35 646730 4078283 0.01194 156.78 0 24-HR New Development RP_G36 648659.3 4077241 0.03669 205.79 0 24-HR House 1 RP_H10 648247.4 4076278 0.017 184.55	646730	4078183	0.01247	157.78	0	24-HR	New Development	RP_G27
646130 4078283 0.0115 132.89 0 24-HR New Development RP_G30 646230 4078283 0.01182 139.24 0 24-HR New Development RP_G31 646330 4078283 0.01193 142.68 0 24-HR New Development RP_G32 646430 4078283 0.01172 140.02 0 24-HR New Development RP_G33 646530 4078283 0.01146 147.22 0 24-HR New Development RP_G35 646630 4078283 0.01134 151.56 0 24-HR New Development RP_G35 646730 4078283 0.01194 156.78 0 24-HR New Development RP_G36 648659.3 4077241 0.03669 205.79 0 24-HR House 1 RP_H1 648071.2 4076116 0.01092 169.6 0 24-HR House 10 RP_H10 648027.2 4076255 0.01651 169.38	645930	4078283	0.01058	126.06	0	24-HR	New Development	
646230 4078283 0.01182 139.24 0 24-HR New Development RP_G31 646330 4078283 0.01193 142.68 0 24-HR New Development RP_G32 646430 4078283 0.01172 140.02 0 24-HR New Development RP_G33 646530 4078283 0.01146 147.22 0 24-HR New Development RP_G34 646630 4078283 0.01134 151.56 0 24-HR New Development RP_G35 646730 4078283 0.01194 156.78 0 24-HR New Development RP_G36 648659.3 4077241 0.03669 205.79 0 24-HR House 1 RP_H1 648071.2 4076116 0.01092 169.6 0 24-HR House 10 RP_H10 648247.4 4076278 0.017 184.55 0 24-HR House 11 RP_H11 648027.2 4076255 0.01651 169.38 <td< td=""><td>646030</td><td>4078283</td><td>0.01109</td><td>129.56</td><td>0</td><td>24-HR</td><td>New Development</td><td></td></td<>	646030	4078283	0.01109	129.56	0	24-HR	New Development	
646330 4078283 0.01193 142.68 0 24-HR New Development RP_G32 646430 4078283 0.01172 140.02 0 24-HR New Development RP_G33 646530 4078283 0.01146 147.22 0 24-HR New Development RP_G34 646630 4078283 0.01134 151.56 0 24-HR New Development RP_G35 646730 4078283 0.01194 156.78 0 24-HR New Development RP_G36 648659.3 4077241 0.03669 205.79 0 24-HR House 1 RP_H1 648071.2 4076116 0.01092 169.6 0 24-HR House 10 RP_H10 648247.4 4076278 0.017 184.55 0 24-HR House 11 RP_H11 648027.2 4076255 0.01651 169.38 0 24-HR House 12 RP_H12	646130	4078283	0.0115	132.89	0	24-HR	New Development	RP_G30
646430 4078283 0.01172 140.02 0 24-HR New Development RP_G33 646530 4078283 0.01146 147.22 0 24-HR New Development RP_G34 646630 4078283 0.01134 151.56 0 24-HR New Development RP_G35 646730 4078283 0.01194 156.78 0 24-HR New Development RP_G36 648659.3 4077241 0.03669 205.79 0 24-HR House 1 RP_H1 648071.2 4076116 0.01092 169.6 0 24-HR House 10 RP_H10 648247.4 4076278 0.017 184.55 0 24-HR House 11 RP_H11 648027.2 4076255 0.01651 169.38 0 24-HR House 12 RP_H12	646230	4078283	0.01182	139.24	0	24-HR	New Development	RP_G31
646530 4078283 0.01146 147.22 0 24-HR New Development RP_G34 646630 4078283 0.01134 151.56 0 24-HR New Development RP_G35 646730 4078283 0.01194 156.78 0 24-HR New Development RP_G36 648659.3 4077241 0.03669 205.79 0 24-HR House 1 RP_H1 648071.2 4076116 0.01092 169.6 0 24-HR House 10 RP_H10 648247.4 4076278 0.017 184.55 0 24-HR House 11 RP_H11 648027.2 4076255 0.01651 169.38 0 24-HR House 12 RP_H12	646330	4078283	0.01193	142.68	0	24-HR	New Development	RP_G32
646630 4078283 0.01134 151.56 0 24-HR New Development RP_G35 646730 4078283 0.01194 156.78 0 24-HR New Development RP_G36 648659.3 4077241 0.03669 205.79 0 24-HR House 1 RP_H1 648071.2 4076116 0.01092 169.6 0 24-HR House 10 RP_H10 648247.4 4076278 0.017 184.55 0 24-HR House 11 RP_H11 648027.2 4076255 0.01651 169.38 0 24-HR House 12 RP_H12	646430	4078283	0.01172	140.02	0	24-HR	New Development	
646730 4078283 0.01194 156.78 0 24-HR New Development RP_G36 648659.3 4077241 0.03669 205.79 0 24-HR House 1 RP_H1 648071.2 4076116 0.01092 169.6 0 24-HR House 10 RP_H10 648247.4 4076278 0.017 184.55 0 24-HR House 11 RP_H11 648027.2 4076255 0.01651 169.38 0 24-HR House 12 RP_H12	646530	4078283	0.01146	147.22	0	24-HR	New Development	
648659.3 4077241 0.03669 205.79 0 24-HR House 1 RP_H1 648071.2 4076116 0.01092 169.6 0 24-HR House 10 RP_H10 648247.4 4076278 0.017 184.55 0 24-HR House 11 RP_H11 648027.2 4076255 0.01651 169.38 0 24-HR House 12 RP_H12					0			
648071.2 4076116 0.01092 169.6 0 24-HR House 10 RP_H10 648247.4 4076278 0.017 184.55 0 24-HR House 11 RP_H11 648027.2 4076255 0.01651 169.38 0 24-HR House 12 RP_H12					0		<u> </u>	
648247.4 4076278 0.017 184.55 0 24-HR House 11 RP_H11 648027.2 4076255 0.01651 169.38 0 24-HR House 12 RP_H12	648659.3		0.03669		0			RP_H1
648027.2 4076255 0.01651 169.38 0 24-HR House 12 RP_H12	648071.2				0			
	648247.4				0		House 11	
648065.8 4076359 0.02091 173.83 0 24-HR House 13 RP_H13	648027.2		0.01651	169.38	0			
	648065.8	4076359	0.02091	173.83	0	24-HR	House 13	RP_H13

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* AERMET (21112): Future Flare (Ground Lvl) SO2 24-hr 2018

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- * PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648138.7	4076400	0.0226	178.22	0	24-HR	House 14	RP_H14
648254.7	4076411	0.02419	191.28	0	24-HR	House 15	RP_H15
647877.8	4076365	0.01991	165.39	0	24-HR	House 16	RP_H16
647520	4076206	0.01474	159	0	24-HR	House 17	RP_H17
647921	4076247	0.01632	164	0	24-HR	House 18	RP_H18
647708.8	4076352	0.01848	163.52	0	24-HR	House 19	RP_H19
648371.7	4075470	0.00467	173.69	0	24-HR	House 2	RP_H2
647703.6	4076251	0.01634	162.17	0	24-HR	House 20	RP_H20
647718.8	4076104	0.01188	159.35	0	24-HR	House 21	RP_H21
647843.3	4076125	0.01225	163	0	24-HR	House 22	RP_H22
647842.3	4076500	0.01817	167.93	0	24-HR	House 23	RP_H23
647727.8	4076644	0.01603	164.15	0	24-HR	House 24	RP_H24
647823.9	4076644	0.01671	168.29	0	24-HR	House 25	RP_H25
647530	4076497	0.0149	159.56	0	24-HR	House 26	RP_H26
647810.1	4076854	0.02184	162.9	0	24-HR	House 27	RP_H27
647697.5	4076989	0.01843	161.42	0	24-HR	House 28	RP_H28
648225.5	4076182	0.01261	183.22	0	24-HR	House 29	RP_H29
647678.2	4075969	0.00845	159.5	0	24-HR	House 3	RP_H3
645876.3	4077487	0.00735	127.13	0	24-HR	House 30	RP_H30
650902	4076062	0.01968	215.24	0	24-HR	House 31	RP_H31
651490	4076597	0.02309	205.5	0	24-HR	House 32	RP_H32
651565	4077067	0.01421	213.93	0	24-HR	House 33	RP_H33
648672.8	4075307	0.00226	225.91	0	24-HR	House 34	RP_H34
648383.6	4075469	0.00479	174.44	0	24-HR	House 35	RP_H35
646379.4	4077233	0.00973	146	0	24-HR	House 36	RP_H36
651849.7	4075865	0.0134	201.97	0	24-HR	House 37	RP_H37
652045.5	4076210	0.01942	196.88	0	24-HR	House 38	RP_H38
652255.7	4076391	0.02017	197.06	0	24-HR	House 39	RP_H39
647815.3	4075985	0.00816	162.04	0	24-HR	House 4	RP_H4
646853.7	4077373	0.01379	145.99	0	24-HR	House 40	RP_H40
647050.2	4077360	0.01605	145	0	24-HR	House 41	RP_H41
647286.4	4077474	0.02101	149.68	0	24-HR	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359.1	4077340	0.02023	154.45	0	24-HR	House 43	RP_H43
647490.4	4077329	0.02289	162.28	0	24-HR	House 44	RP_H44
647522.2	4077252	0.02163	164.3	0	24-HR	House 45	RP_H45
647517.8	4077139	0.01886	164.01	0	24-HR	House 46	RP_H46
646819	4077258	0.01092	151.53	0	24-HR	House 47	RP_H47
646778.7	4077128	0.01194	158.51	0	24-HR	House 48	RP_H48
646987.3	4077213	0.01186	146.44	0	24-HR	House 49	RP_H49
647898.2	4076033	0.00912	163.83	0	24-HR	House 5	RP_H5
647241.8	4077227	0.01549	154.85	0	24-HR	House 50	RP_H50
646773.1	4077063	0.01218	159	0	24-HR	House 51	RP_H51
647104.4	4077118	0.01306	148.99	0	24-HR	House 52	RP_H52
647291.9	4077123	0.01445	158.62	0	24-HR	House 53	RP_H53
646765.2	4076978	0.01187	158.67	0	24-HR	House 54	RP_H54
646995.7	4076984	0.01346	152.34	0	24-HR	House 55	RP_H55
647317.2	4077031	0.01549	160.22	0	24-HR	House 56	RP_H56
647398.4	4077013	0.01623	161.26	0	24-HR	House 57	RP_H57
646978.9	4076904	0.01318	156.81	0	24-HR	House 58	RP_H58
647015.2	4076807	0.01406	156.21	0	24-HR	House 59	RP_H59
648045.4	4076018	0.00712	168.26	0	24-HR	House 6	RP_H6
647164	4076802	0.01472	154.38	0	24-HR	House 60	RP_H60
647310.6	4076940	0.01614	162.49	0	24-HR	House 61	RP_H61
647298.1	4076805	0.01534	158	0	24-HR	House 62	RP_H62
647446.6	4076900	0.01733	159.45	0	24-HR	House 63	RP_H63
647464.5	4076781	0.01629	159.32	0	24-HR	House 64	RP_H64
647512	4076536	0.01361	159	0	24-HR	House 65	RP_H65
651131	4078767	0.00703	179.58	0	24-HR	House 66	RP_H66
647131	4077336	0.01669	146.77	0	24-HR	House 67	RP_H67
646798	4076740	0.0127	156.07	0	24-HR	House 68	RP_H68
646900	4076802	0.01358	159	0	24-HR	House 69	RP_H69
648126.3	4075955	0.00367	171.51	0	24-HR	House 7	RP_H7
647317	4076662	0.01405	159.9	0	24-HR	House 70	RP_H70
648249.3	4075970	0.00294	183.42	0	24-HR	House 8	RP_H8

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* AERMET (21112): Future Flare (Ground Lvl) SO2 24-hr 2018

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648218.6	4076109	0.009	182.28	0	24-HR	House 9	RP_H9

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AVE

* AERMET (19191): Future Flare (Ground Lvl) SO2 1-hr 2019

13:26:55

Description

ID

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

ZELEV

- PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

Y AVERAGE CONC

ſ	645996	4078698	0.05912	123.85	1-HR	AQ Monitoring Station	AQ_ST_1	1
Γ	643904	4077719	0.03661	105.68	1-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	1
	642057	4079416	0.03468	85.12	1-HR	Dunne Park	CR_PK_1	
ſ	642179	4079950	0.03451	117.99	1-HR	Vista Park Hill Park	CR_PK_2	1
	644733	4078753	0.03706	106.44	1-HR	Las Brisas Park	CR_PK_3	
	645609	4078854	0.06192	112.86	1-HR	Frank Klauer Memorial Park	CR_PK_4]
	644238	4078807	0.0325	95.25	1-HR	Veterans Memorial Park	CR_PK_5	1
	645311	4076559	0.03156	134.61	1-HR	Park 6	CR_PK_6]
	649582	4073424	0.0359	159.96	1-HR	Park 7	CR_PK_7	
	645145	4077181	0.04017	133	1-HR	Cerra Vista Elem School	CR_SC_1	
	642905	4079955	0.04553	86	1-HR	San Andreas Continuation	CR_SC_10	
	645851	4074015	0.05586	123	1-HR	SouthSide School	CR_SC_11	
	642106	4078176	0.03324	91	1-HR	School 12	CR_SC_12	
	646059	4078443	0.06332	128.52	1-HR	Rancho Santana School	CR_SC_13	School 1
	647269	4075575	0.14609	158	1-HR	Future School	CR_SC_14	School 2
	648466	4074106	0.06115	159	1-HR	Tres Pinos Union Elementary School	CR_SC_15	
	644110	4078389	0.03187	98.2	1-HR	Sunnyslope Elem School	CR_SC_2	
	643920	4077304	0.0314	101.23	1-HR	Hollister Montessori School	CR_SC_3	
	642961	4078621	0.03244	92	1-HR	Rancho San Justo Middle School	CR_SC_4	
	643980	4079743	0.05888	88	1-HR	Marguerite Maze Middle School	CR_SC_5	
	641630	4079153	0.03496	85	1-HR	Hollister Prep Schoo	CR_SC_6	
	643350	4077181	0.03168	98.22	1-HR	Ladd Lane Elementary School	CR_SC_7	
	644003	4080079	0.04956	87	1-HR	Gabilan Hills Elementary School	CR_SC_8	
	642245	4078413	0.03325	90.17	1-HR	San Benito High School	CR_SC_9	
	642083	4079794	0.03398	87.58	1-HR	Jovenes De Antano	CR_SR_1	
	646402	4076879	0.04288	146.33	1-HR	Workplace	CR_WP_1	
	648949	4077938	0.24515	189.45	1-HR	Nearest Workplace	CR_WP_2	MEIW
	647744	4079173	0.09604	155.2	1-HR	Grid Receptor 1	G1	
	647744	4075573	0.09264	160	1-HR	Grid Receptor 10	G10	
	651344	4075573	0.20845	252.9	1-HR	Grid Receptor 100	G100	
	648144	4079173	0.09675	165.9	1-HR	Grid Receptor 11	G11	
	648144	4078773	0.09008	159.6	1-HR	Grid Receptor 12	G12	

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X	Y	AVERAGE CONC	ZELEV	AVE	Description	ID
648144	4078373	0.13286	146.2	1-HR	Grid Receptor 13	G13
648144	4077973	0.16442	158.3	1-HR	Grid Receptor 14	G14
648144	4077573	0.07942	166.6	1-HR	Grid Receptor 15	G15
648144	4077173	0.08387	175.4	1-HR	Grid Receptor 16	G16
648144	4076773	0.05457	177.1	1-HR	Grid Receptor 17	G17
648144	4076373	0.10485	178	1-HR	Grid Receptor 18	G18
648144	4075973	0.1692	173	1-HR	Grid Receptor 19	G19
647744	4078773	0.1392	145.4	1-HR	Grid Receptor 2	G2
648144	4075573	0.12324	168.8	1-HR	Grid Receptor 20	G20
648544	4079173	0.16778	173.5	1-HR	Grid Receptor 21	G21
648544	4078773	0.16846	166.2	1-HR	Grid Receptor 22	G22
648544	4078373	0.1413	145.4	1-HR	Grid Receptor 23	G23
648544	4077973	0.09783	173.9	1-HR	Grid Receptor 24	G24
648544	4077573	0.16559	179.6	1-HR	Grid Receptor 25	G25
648544	4077173	0.13828	191	1-HR	Grid Receptor 26	G26
648544	4076773	0.11959	209.2	1-HR	Grid Receptor 27	G27
648544	4076373	0.17094	233.7	1-HR	Grid Receptor 28	G28
648544	4075973	0.15408	199.9	1-HR	Grid Receptor 29	G29
647744	4078373	0.14077	144.4	1-HR	Grid Receptor 3	G3
648544	4075573	0.09597	195.5	1-HR	Grid Receptor 30	G30
648944	4079173	0.12369	190.4	1-HR	Grid Receptor 31	G31
648944	4078773	0.14558	165.4	1-HR	Grid Receptor 32	G32
648944	4078373	0.18105	159.6	1-HR	Grid Receptor 33	G33
648944	4077973	0.23702	183.5	1-HR	Grid Receptor 34	G34
648944	4077573	0.27239	224	1-HR	Grid Receptor 35	G35
648944	4076373	0.10973	205	1-HR	Grid Receptor 38	G38
648944	4075973	0.09843	208.8	1-HR	Grid Receptor 39	G39
647744	4077973	0.07103	134.6	1-HR	Grid Receptor 4	G4
648944	4075573	0.06975	185.6	1-HR	Grid Receptor 40	G40
649344	4079173	0.10167	187.4	1-HR	Grid Receptor 41	G41
649344	4078773	0.09469	160.9	1-HR	Grid Receptor 42	G42
649344	4078373	0.12046	200.5	1-HR	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	AVE	Description	ID
649344	4077973	0.14424	229	1-HR	Grid Receptor 44	G44
649344	4077573	0.38707	253.3	1-HR	Grid Receptor 45	G45
649344	4076373	0.38937	220.2	1-HR	Grid Receptor 48	G48
649344	4075973	0.25016	227.2	1-HR	Grid Receptor 49	G49
647744	4077573	0.06465	163.8	1-HR	Grid Receptor 5	G5
649344	4075573	0.14272	205.5	1-HR	Grid Receptor 50	G50
649744	4079173	0.07966	176.1	1-HR	Grid Receptor 51	G51
649744	4078773	0.08638	195	1-HR	Grid Receptor 52	G52
649744	4078373	0.08068	196.1	1-HR	Grid Receptor 53	G53
649744	4077973	0.08001	215.3	1-HR	Grid Receptor 54	G54
649744	4077573	0.13752	221.6	1-HR	Grid Receptor 55	G55
649744	4076373	0.2754	211.7	1-HR	Grid Receptor 58	G58
649744	4075973	0.16619	237.7	1-HR	Grid Receptor 59	G59
647744	4077173	0.07101	158.4	1-HR	Grid Receptor 6	G6
649744	4075573	0.13405	204.2	1-HR	Grid Receptor 60	G60
650144	4079173	0.09041	173	1-HR	Grid Receptor 61	G61
650144	4078773	0.09096	171	1-HR	Grid Receptor 62	G62
650144	4078373	0.07245	204.6	1-HR	Grid Receptor 63	G63
650144	4077973	0.04709	216.5	1-HR	Grid Receptor 64	G64
650144	4077573	0.40942	257.7	1-HR	Grid Receptor 65	G65
650144	4076373	0.18726	231.4	1-HR	Grid Receptor 68	G68
650144	4075973	0.28826	249.4	1-HR	Grid Receptor 69	G69
647744	4076773	0.05403	164.7	1-HR	Grid Receptor 7	G7
650144	4075573	0.10456	216.4	1-HR	Grid Receptor 70	G70
650544	4079173	0.07617	177	1-HR	Grid Receptor 71	G71
650544	4078773	0.05494	180.9	1-HR	Grid Receptor 72	G72
650544	4078373	0.06721	196.6	1-HR	Grid Receptor 73	G73
650544	4077973	0.1189	236.9	1-HR	Grid Receptor 74	G74
650544	4077573	0.50354	261.3	1-HR	Grid Receptor 75	G75
650544	4076373	0.53375	260.9	1-HR	Grid Receptor 78	G78
650544	4075973	0.11482	226.7	1-HR	Grid Receptor 79	G79
647744	4076373	0.069	164	1-HR	Grid Receptor 8	G8

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X	Y	AVERAGE CONC	ZELEV	AVE	Description	ID	
650544	4075573	0.54952	268.2	1-HR	Grid Receptor 80	G80	
650944	4079173	0.04942	181.3	1-HR	Grid Receptor 81	G81	
650944	4078773	0.07322	178.4	1-HR	Grid Receptor 82	G82	
650944	4078373	0.12078	214.8	1-HR	Grid Receptor 83	G83	
650944	4077973	0.20533	249.9	1-HR	Grid Receptor 84	G84	
650944	4077573	0.59816	276.5	1-HR	Grid Receptor 85	G85	PMI
650944	4077173	0.08658	225.6	1-HR	Grid Receptor 86	G86	
650944	4076773	0.08489	219.8	1-HR	Grid Receptor 87	G87	
650944	4076373	0.08556	209.2	1-HR	Grid Receptor 88	G88	
650944	4075973	0.08837	216.6	1-HR	Grid Receptor 89	G89	
647744	4075973	0.18903	160.7	1-HR	Grid Receptor 9	G9	
650944	4075573	0.10476	243.2	1-HR	Grid Receptor 90	G90	
651344	4079173	0.07936	191	1-HR	Grid Receptor 91	G91	
651344	4078773	0.10454	181	1-HR	Grid Receptor 92	G92	
651344	4078373	0.10267	214.3	1-HR	Grid Receptor 93	G93	
651344	4077973	0.13937	248.4	1-HR	Grid Receptor 94	G94	
651344	4077573	0.06527	213.2	1-HR	Grid Receptor 95	G95	
651344	4077173	0.06927	213.6	1-HR	Grid Receptor 96	G96	
651344	4076773	0.06555	203.5	1-HR	Grid Receptor 97	G97	
651344	4076373	0.06761	205.6	1-HR	Grid Receptor 98	G98	
651344	4075973	0.07506	205.8	1-HR	Grid Receptor 99	G99	
648584	4077523	0.16373	183.61	1-HR	Boundary Perimeter 1	P1	
649484	4077537	0.44927	254.01	1-HR	Boundary Perimeter 10	P10	
649584	4077539	0.1119	235.3	1-HR	Boundary Perimeter 11	P11	
649684	4077540	0.15616	221.29	1-HR	Boundary Perimeter 12	P12	
649784	4077541	0.1107	222.37	1-HR	Boundary Perimeter 13	P13	
649884	4077542	0.0457	233.6	1-HR	Boundary Perimeter 14	P14	
649984	4077543	0.23279	249.54	1-HR	Boundary Perimeter 15	P15	
650084	4077546	0.5074	258.89	1-HR	Boundary Perimeter 16	P16	
650184	4077548	0.49043	259.56	1-HR	Boundary Perimeter 17	P17	
650284	4077550	0.36493	256.77	1-HR	Boundary Perimeter 18	P18	
650384	4077552	0.10911	242.37	1-HR	Boundary Perimeter 19	P19	

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X	Y	AVERAGE CONC	ZELEV	AVE	Description	ID
648684	4077525	0.1465	197.16	1-HR	Boundary Perimeter 2	P2
650484	4077554	0.10381	242.23	1-HR	Boundary Perimeter 20	P20
650584	4077557	0.44636	259.71	1-HR	Boundary Perimeter 21	P21
650684	4077559	0.39126	257.58	1-HR	Boundary Perimeter 22	P22
650777	4077554	0.56271	267.9	1-HR	Boundary Perimeter 23	P23
650779	4077454	0.55408	275.91	1-HR	Boundary Perimeter 24	P24
650781	4077354	0.5199	265.73	1-HR	Boundary Perimeter 25	P25
650783	4077254	0.21105	251.08	1-HR	Boundary Perimeter 26	P26
650785	4077154	0.25684	252.83	1-HR	Boundary Perimeter 27	P27
650787	4077054	0.14664	246.1	1-HR	Boundary Perimeter 28	P28
650789	4076954	0.09941	241.37	1-HR	Boundary Perimeter 29	P29
648784	4077527	0.15317	209.74	1-HR	Boundary Perimeter 3	Р3
650791	4076854	0.14703	246.79	1-HR	Boundary Perimeter 30	P30
650794	4076754	0.09141	228.75	1-HR	Boundary Perimeter 31	P31
650754	4076683	0.08947	217.76	1-HR	Boundary Perimeter 32	P32
650660	4076650	0.09824	221.2	1-HR	Boundary Perimeter 33	P33
650561	4076650	0.10266	220.83	1-HR	Boundary Perimeter 34	P34
650463	4076666	0.10195	223.42	1-HR	Boundary Perimeter 35	P35
650364	4076682	0.108	222.46	1-HR	Boundary Perimeter 36	P36
650264	4076683	0.10991	223.19	1-HR	Boundary Perimeter 37	P37
650165	4076674	0.11037	222.1	1-HR	Boundary Perimeter 38	P38
650066	4076660	0.11756	217.03	1-HR	Boundary Perimeter 39	P39
648884	4077529	0.224	214.25	1-HR	Boundary Perimeter 4	P4
649980	4076627	0.11731	214.82	1-HR	Boundary Perimeter 40	P40
649920	4076547	0.21043	214.91	1-HR	Boundary Perimeter 41	P41
649852	4076474	0.24555	214.09	1-HR	Boundary Perimeter 42	P42
649771	4076417	0.3248	211.53	1-HR	Boundary Perimeter 43	P43
649680	4076375	0.30526	210.17	1-HR	Boundary Perimeter 44	P44
649581	4076368	0.2514	208.52	1-HR	Boundary Perimeter 45	P45
649482	4076384	0.30887	207.5	1-HR	Boundary Perimeter 46	P46
649392	4076425	0.34426	205.17	1-HR	Boundary Perimeter 47	P47
649304	4076472	0.19561	202.16	1-HR	Boundary Perimeter 48	P48

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X	Y	AVERAGE CONC	ZELEV	AVE	Description	ID
649226	4076535	0.11273	196.38	1-HR	Boundary Perimeter 49	P49
648984	4077530	0.28153	221.41	1-HR	Boundary Perimeter 5	P5
649156	4076605	0.24983	195.87	1-HR	Boundary Perimeter 50	P50
649068	4076653	0.26989	196.32	1-HR	Boundary Perimeter 51	P51
648987	4076711	0.21261	192.42	1-HR	Boundary Perimeter 52	P52
648937	4076759	0.19057	192.46	1-HR	Boundary Perimeter 53	P53
648869	4076833	0.16548	191.63	1-HR	Boundary Perimeter 54	P54
648797	4076902	0.16138	186.32	1-HR	Boundary Perimeter 55	P55
648711	4076952	0.15178	179.81	1-HR	Boundary Perimeter 56	P56
648621	4076996	0.14838	176.23	1-HR	Boundary Perimeter 57	P57
648607	4077051	0.13326	175.02	1-HR	Boundary Perimeter 58	P58
648680	4077119	0.15872	180.62	1-HR	Boundary Perimeter 59	P59
649084	4077532	0.27106	216.54	1-HR	Boundary Perimeter 6	P6
648759	4077180	0.15948	183.47	1-HR	Boundary Perimeter 60	P60
648791	4077262	0.17759	202.88	1-HR	Boundary Perimeter 61	P61
648788	4077362	0.13641	178.21	1-HR	Boundary Perimeter 62	P62
648691	4077361	0.14114	176.25	1-HR	Boundary Perimeter 63	P63
648591	4077357	0.136	176	1-HR	Boundary Perimeter 64	P64
648526	4077371	0.12416	175.24	1-HR	Boundary Perimeter 65	P65
648587	4077430	0.15162	175.13	1-HR	Boundary Perimeter 66	P66
649184	4077534	0.19556	230.71	1-HR	Boundary Perimeter 7	P7
649284	4077535	0.25643	248.08	1-HR	Boundary Perimeter 8	P8
649384	4077536	0.5911	258.43	1-HR	Boundary Perimeter 9	P9
645930	4077983	0.03303	127.38	1-HR	New Development	RP_G1
646030	4077983	0.03413	131.21	1-HR	New Development	RP_G2
646130	4077983	0.03465	135.89	1-HR	New Development	RP_G3
646230	4077983	0.03754	139.18	1-HR	New Development	RP_G4
646330	4077983	0.04265	140.76	1-HR	New Development	RP_G5
646430	4077983	0.04736	143.89	1-HR	New Development	RP_G6
646530	4077983	0.05165	145.22	1-HR	New Development	RP_G7
646630	4077983	0.05532	147.21	1-HR	New Development	RP_G8
646730	4077983	0.05784	148.3	1-HR	New Development	RP_G9

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X	Y	AVERAGE CONC	ZELEV	AVE	Description	ID
645930	4078083	0.03334	127.58	1-HR	New Development	RP_G10
646030	4078083	0.03737	130.56	1-HR	New Development	RP_G11
646130	4078083	0.04242	134.35	1-HR	New Development	RP_G12
646230	4078083	0.0476	139.22	1-HR	New Development	RP_G13
646330	4078083	0.0527	144.65	1-HR	New Development	RP_G14
646430	4078083	0.05639	142.28	1-HR	New Development	RP_G15
646530	4078083	0.05957	146.76	1-HR	New Development	RP_G16
646630	4078083	0.06149	150.64	1-HR	New Development	RP_G17
646730	4078083	0.06194	155.4	1-HR	New Development	RP_G18
645930	4078183	0.04203	127.22	1-HR	New Development	RP_G19
646030	4078183	0.04692	130.56	1-HR	New Development	RP_G20
646130	4078183	0.05167	133.89	1-HR	New Development	RP_G21
646230	4078183	0.05631	140.45	1-HR	New Development	RP_G22
646330	4078183	0.06038	146.94	1-HR	New Development	RP_G23
646430	4078183	0.06212	140.23	1-HR	New Development	RP_G24
646530	4078183	0.06348	147.25	1-HR	New Development	RP_G25
646630	4078183	0.06292	151.56	1-HR	New Development	RP_G26
646730	4078183	0.06081	157.78	1-HR	New Development	RP_G27
645930	4078283	0.05086	126.06	1-HR	New Development	RP_G28
646030	4078283	0.05516	129.56	1-HR	New Development	RP_G29
646130	4078283	0.05888	132.89	1-HR	New Development	RP_G30
646230	4078283	0.06205	139.24	1-HR	New Development	RP_G31
646330	4078283	0.06389	142.68	1-HR	New Development	RP_G32
646430	4078283	0.06375	140.02	1-HR	New Development	RP_G33
646530	4078283	0.06294	147.22	1-HR	New Development	RP_G34
646630	4078283	0.05979	151.56	1-HR	New Development	RP_G35
646730	4078283	0.0551	156.78	1-HR	New Development	RP_G36
648659	4077241	0.16911	205.79	1-HR	House 1	RP_H1
648071	4076116	0.19581	169.6	1-HR	House 10	RP_H10
648247	4076278	0.17009	184.55	1-HR	House 11	RP_H11
648027	4076255	0.15045	169.38	1-HR	House 12	RP_H12
648066	4076359	0.10367	173.83	1-HR	House 13	RP_H13

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X	Y	AVERAGE CONC	ZELEV	AVE	Description	ID
648139	4076400	0.08988	178.22	1-HR	House 14	RP_H14
648255	4076411	0.09747	191.28	1-HR	House 15	RP_H15
647878	4076365	0.08218	165.39	1-HR	House 16	RP_H16
647520	4076206	0.11025	159	1-HR	House 17	RP_H17
647921	4076247	0.13974	164	1-HR	House 18	RP_H18
647709	4076352	0.07428	163.52	1-HR	House 19	RP_H19
648372	4075470	0.09922	173.69	1-HR	House 2	RP_H2
647704	4076251	0.11314	162.17	1-HR	House 20	RP_H20
647719	4076104	0.16667	159.35	1-HR	House 21	RP_H21
647843	4076125	0.17534	163	1-HR	House 22	RP_H22
647842	4076500	0.05415	167.93	1-HR	House 23	RP_H23
647728	4076644	0.05165	164.15	1-HR	House 24	RP_H24
647824	4076644	0.0528	168.29	1-HR	House 25	RP_H25
647530	4076497	0.05038	159.56	1-HR	House 26	RP_H26
647810	4076854	0.05736	162.9	1-HR	House 27	RP_H27
647697	4076989	0.05506	161.42	1-HR	House 28	RP_H28
648226	4076182	0.19945	183.22	1-HR	House 29	RP_H29
647678	4075969	0.18598	159.5	1-HR	House 3	RP_H3
645876	4077487	0.04361	127.13	1-HR	House 30	RP_H30
650902	4076062	0.09083	215.24	1-HR	House 31	RP_H31
651490	4076597	0.06312	205.5	1-HR	House 32	RP_H32
651565	4077067	0.05926	213.93	1-HR	House 33	RP_H33
648673	4075307	0.11216	225.91	1-HR	House 34	RP_H34
648384	4075469	0.09757	174.44	1-HR	House 35	RP_H35
646379	4077233	0.05174	146	1-HR	House 36	RP_H36
651850	4075865	0.06848	201.97	1-HR	House 37	RP_H37
652045	4076210	0.05979	196.88	1-HR	House 38	RP_H38
652256	4076391	0.06896	197.06	1-HR	House 39	RP_H39
647815	4075985	0.19134	162.04	1-HR	House 4	RP_H4
646854	4077373	0.04322	145.99	1-HR	House 40	RP_H40
647050	4077360	0.04367	145	1-HR	House 41	RP_H41
647286	4077474	0.05308	149.68	1-HR	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	AVE	Description	ID
647359	4077340	0.05395	154.45	1-HR	House 43	RP_H43
647490	4077329	0.05793	162.28	1-HR	House 44	RP_H44
647522	4077252	0.0611	164.3	1-HR	House 45	RP_H45
647518	4077139	0.05361	164.01	1-HR	House 46	RP_H46
646819	4077258	0.05002	151.53	1-HR	House 47	RP_H47
646779	4077128	0.05556	158.51	1-HR	House 48	RP_H48
646987	4077213	0.05041	146.44	1-HR	House 49	RP_H49
647898	4076033	0.19359	163.83	1-HR	House 5	RP_H5
647242	4077227	0.0495	154.85	1-HR	House 50	RP_H50
646773	4077063	0.05585	159	1-HR	House 51	RP_H51
647104	4077118	0.05437	148.99	1-HR	House 52	RP_H52
647292	4077123	0.05318	158.62	1-HR	House 53	RP_H53
646765	4076978	0.05393	158.67	1-HR	House 54	RP_H54
646996	4076984	0.05583	152.34	1-HR	House 55	RP_H55
647317	4077031	0.05743	160.22	1-HR	House 56	RP_H56
647398	4077013	0.05763	161.26	1-HR	House 57	RP_H57
646979	4076904	0.05321	156.81	1-HR	House 58	RP_H58
647015	4076807	0.04742	156.21	1-HR	House 59	RP_H59
648045	4076018	0.1917	168.26	1-HR	House 6	RP_H6
647164	4076802	0.04897	154.38	1-HR	House 60	RP_H60
647311	4076940	0.05832	162.49	1-HR	House 61	RP_H61
647298	4076805	0.05133	158	1-HR	House 62	RP_H62
647447	4076900	0.05782	159.45	1-HR	House 63	RP_H63
647464	4076781	0.05158	159.32	1-HR	House 64	RP_H64
647512	4076536	0.05063	159	1-HR	House 65	RP_H65
651131	4078767	0.09373	179.58	1-HR	House 66	RP_H66
647131	4077336	0.04504	146.77	1-HR	House 67	RP_H67
646798	4076740	0.04027	156.07	1-HR	House 68	RP_H68
646900	4076802	0.0456	159	1-HR	House 69	RP_H69
648126	4075955	0.16524	171.51	1-HR	House 7	RP_H7
647317	4076662	0.0471	159.9	1-HR	House 70	RP_H70
648249	4075970	0.14973	183.42	1-HR	House 8	RP_H8

09/29/21

* AERMET (19191): Future Flare (Ground Lvl) SO2 1-hr 2019

13:26:55

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	AVE	Description	ID	
648219	4076109	0.20031	182.28	1-HR	House 9	RP_H9	MEIR

* AERMET (19191): Future Flare (Grnd Lvl) SO2 1-yr 2019

13:26:55

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

	ID	Description	AVE	ZFLAG	ZELEV	AVERAGE CONC	Y	X
	AQ_ST_1	AQ Monitoring Station	ANNUAL	0	123.85	0.00095	4078698	645996
1	CR_HP_1	Hazel Hawkins Memorial Hospital	ANNUAL	0	105.68	0.00017	4077719	643904
Ī	CR_PK_1	Dunne Park	ANNUAL	0	85.12	0.00029	4079416	642057
1	CR_PK_2	Vista Park Hill Park	ANNUAL	0	117.99	0.00041	4079950	642179
Ī	CR_PK_3	Las Brisas Park	ANNUAL	0	106.44	0.00051	4078753	644733
1	CR_PK_4	Frank Klauer Memorial Park	ANNUAL	0	112.86	0.00084	4078854	645609
Ī	CR_PK_5	Veterans Memorial Park	ANNUAL	0	95.25	0.00043	4078807	644238
	CR_PK_6	Park 6	ANNUAL	0	134.61	0.00011	4076559	645311
	CR_PK_7	Park 7	ANNUAL	0	159.96	0.00055	4073424	649582
	CR_SC_1	Cerra Vista Elem School	ANNUAL	0	133	0.00015	4077181	645145
	CR_SC_10	San Andreas Continuation	ANNUAL	0	86	0.0005	4079955	642905
]	CR_SC_11	SouthSide School	ANNUAL	0	123	0.00009	4074015	645851
	CR_SC_12	School 12	ANNUAL	0	91	0.00016	4078176	642106
School 1	CR_SC_13	Rancho Santana School	ANNUAL	0	128.52	0.00081	4078443	646059
School 2	CR_SC_14	Future School	ANNUAL	0	158	0.00015	4075575	647269
]	CR_SC_15	Tres Pinos Union Elementary School	ANNUAL	0	159	0.0002	4074106	648466
Ī	CR_SC_2	Sunnyslope Elem School	ANNUAL	0	98.2	0.0003	4078389	644110
	CR_SC_3	Hollister Montessori School	ANNUAL	0	101.23	0.00013	4077304	643920
	CR_SC_4	Rancho San Justo Middle School	ANNUAL	0	92	0.00025	4078621	642961
	CR_SC_5	Marguerite Maze Middle School	ANNUAL	0	88	0.00064	4079743	643980
Ī	CR_SC_6	Hollister Prep Schoo	ANNUAL	0	85	0.00024	4079153	641630
]	CR_SC_7	Ladd Lane Elementary School	ANNUAL	0	98.22	0.00012	4077181	643350
	CR_SC_8	Gabilan Hills Elementary School	ANNUAL	0	87	0.00074	4080079	644003
	CR_SC_9	San Benito High School	ANNUAL	0	90.17	0.00019	4078413	642245
	CR_SR_1	Jovenes De Antano	ANNUAL	0	87.58	0.00036	4079794	642083
]	CR_WP_1	Workplace	ANNUAL	0	146.33	0.00015	4076879	646402
MEIW	CR_WP_2	Nearest Workplace	ANNUAL	0	189.45	0.00108	4077938	648949
1	G1	Grid Receptor 1	ANNUAL	0	155.2	0.00174	4079173	647744
	G10	Grid Receptor 10	ANNUAL	0	160	0.00016	4075573	647744
7	G100	Grid Receptor 100	ANNUAL	0	252.9	0.00414	4075573	651344
	G11	Grid Receptor 11	ANNUAL	0	165.9	0.00129	4079173	648144
1	G12	Grid Receptor 12	ANNUAL	0	159.6	0.00181	4078773	648144

09/29/21

* AERMET (19191): Future Flare (Grnd Lvl) SO2 1-yr 2019

13:26:55

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.00242	146.2	0	ANNUAL	Grid Receptor 13	G13
648144	4077973	0.003	158.3	0	ANNUAL	Grid Receptor 14	G14
648144	4077573	0.00275	166.6	0	ANNUAL	Grid Receptor 15	G15
648144	4077173	0.0012	175.4	0	ANNUAL	Grid Receptor 16	G16
648144	4076773	0.00035	177.1	0	ANNUAL	Grid Receptor 17	G17
648144	4076373	0.00026	178	0	ANNUAL	Grid Receptor 18	G18
648144	4075973	0.00023	173	0	ANNUAL	Grid Receptor 19	G19
647744	4078773	0.00211	145.4	0	ANNUAL	Grid Receptor 2	G2
648144	4075573	0.00017	168.8	0	ANNUAL	Grid Receptor 20	G20
648544	4079173	0.0007	173.5	0	ANNUAL	Grid Receptor 21	G21
648544	4078773	0.00101	166.2	0	ANNUAL	Grid Receptor 22	G22
648544	4078373	0.00161	145.4	0	ANNUAL	Grid Receptor 23	G23
648544	4077973	0.00293	173.9	0	ANNUAL	Grid Receptor 24	G24
648544	4077573	0.00447	179.6	0	ANNUAL	Grid Receptor 25	G25
648544	4077173	0.00387	191	0	ANNUAL	Grid Receptor 26	G26
648544	4076773	0.0008	209.2	0	ANNUAL	Grid Receptor 27	G27
648544	4076373	0.00055	233.7	0	ANNUAL	Grid Receptor 28	G28
648544	4075973	0.0003	199.9	0	ANNUAL	Grid Receptor 29	G29
647744	4078373	0.00237	144.4	0	ANNUAL	Grid Receptor 3	G3
648544	4075573	0.00022	195.5	0	ANNUAL	Grid Receptor 30	G30
648944	4079173	0.00038	190.4	0	ANNUAL	Grid Receptor 31	G31
648944	4078773	0.00044	165.4	0	ANNUAL	Grid Receptor 32	G32
648944	4078373	0.00059	159.6	0	ANNUAL	Grid Receptor 33	G33
648944	4077973	0.00101	183.5	0	ANNUAL	Grid Receptor 34	G34
648944	4077573	0.00267	224	0	ANNUAL	Grid Receptor 35	G35
648944	4076373	0.00083	205	0	ANNUAL	Grid Receptor 38	G38
648944	4075973	0.00049	208.8	0	ANNUAL	Grid Receptor 39	G39
647744	4077973	0.0022	134.6	0	ANNUAL	Grid Receptor 4	G4
648944	4075573	0.00033	185.6	0	ANNUAL	Grid Receptor 40	G40
649344	4079173	0.00025	187.4	0	ANNUAL	Grid Receptor 41	G41
649344	4078773	0.00026	160.9	0	ANNUAL	Grid Receptor 42	G42
649344	4078373	0.00032	200.5	0	ANNUAL	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00044	229	0	ANNUAL	Grid Receptor 44	G44
649344	4077573	0.00186	253.3	0	ANNUAL	Grid Receptor 45	G45
649344	4076373	0.00863	220.2	0	ANNUAL	Grid Receptor 48	G48
649344	4075973	0.00157	227.2	0	ANNUAL	Grid Receptor 49	G49
647744	4077573	0.00146	163.8	0	ANNUAL	Grid Receptor 5	G5
649344	4075573	0.0007	205.5	0	ANNUAL	Grid Receptor 50	G50
649744	4079173	0.00019	176.1	0	ANNUAL	Grid Receptor 51	G51
649744	4078773	0.00021	195	0	ANNUAL	Grid Receptor 52	G52
649744	4078373	0.00023	196.1	0	ANNUAL	Grid Receptor 53	G53
649744	4077973	0.00029	215.3	0	ANNUAL	Grid Receptor 54	G54
649744	4077573	0.00036	221.6	0	ANNUAL	Grid Receptor 55	G55
649744	4076373	0.01667	211.7	0	ANNUAL	Grid Receptor 58	G58
649744	4075973	0.01049	237.7	0	ANNUAL	Grid Receptor 59	G59
647744	4077173	0.00057	158.4	0	ANNUAL	Grid Receptor 6	G6
649744	4075573	0.00257	204.2	0	ANNUAL	Grid Receptor 60	G60
650144	4079173	0.00018	173	0	ANNUAL	Grid Receptor 61	G61
650144	4078773	0.00019	171	0	ANNUAL	Grid Receptor 62	G62
650144	4078373	0.00021	204.6	0	ANNUAL	Grid Receptor 63	G63
650144	4077973	0.00022	216.5	0	ANNUAL	Grid Receptor 64	G64
650144	4077573	0.00092	257.7	0	ANNUAL	Grid Receptor 65	G65
650144	4076373	0.00559	231.4	0	ANNUAL	Grid Receptor 68	G68
650144	4075973	0.01129	249.4	0	ANNUAL	Grid Receptor 69	G69
647744	4076773	0.00024	164.7	0	ANNUAL	Grid Receptor 7	G7
650144	4075573	0.00484	216.4	0	ANNUAL	Grid Receptor 70	G70
650544	4079173	0.00016	177	0	ANNUAL	Grid Receptor 71	G71
650544	4078773	0.00016	180.9	0	ANNUAL	Grid Receptor 72	G72
650544	4078373	0.00017	196.6	0	ANNUAL	Grid Receptor 73	G73
650544	4077973	0.00028	236.9	0	ANNUAL	Grid Receptor 74	G74
650544	4077573	0.0011	261.3	0	ANNUAL	Grid Receptor 75	G75
650544	4076373	0.00643	260.9	0	ANNUAL	Grid Receptor 78	G78
650544	4075973	0.00492	226.7	0	ANNUAL	Grid Receptor 79	G79
647744	4076373	0.00019	164	0	ANNUAL	Grid Receptor 8	G8

* AERMET (19191): Future Flare (Grnd Lvl) SO2 1-yr 2019

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.00948	268.2	0	ANNUAL	Grid Receptor 80	G80
650944	4079173	0.00014	181.3	0	ANNUAL	Grid Receptor 81	G81
650944	4078773	0.00014	178.4	0	ANNUAL	Grid Receptor 82	G82
650944	4078373	0.00017	214.8	0	ANNUAL	Grid Receptor 83	G83
650944	4077973	0.00055	249.9	0	ANNUAL	Grid Receptor 84	G84
650944	4077573	0.00125	276.5	0	ANNUAL	Grid Receptor 85	G85
650944	4077173	0.00069	225.6	0	ANNUAL	Grid Receptor 86	G86
650944	4076773	0.00122	219.8	0	ANNUAL	Grid Receptor 87	G87
650944	4076373	0.00209	209.2	0	ANNUAL	Grid Receptor 88	G88
650944	4075973	0.0032	216.6	0	ANNUAL	Grid Receptor 89	G89
647744	4075973	0.00019	160.7	0	ANNUAL	Grid Receptor 9	G9
650944	4075573	0.00454	243.2	0	ANNUAL	Grid Receptor 90	G90
651344	4079173	0.00013	191	0	ANNUAL	Grid Receptor 91	G91
651344	4078773	0.00014	181	0	ANNUAL	Grid Receptor 92	G92
651344	4078373	0.00019	214.3	0	ANNUAL	Grid Receptor 93	G93
651344	4077973	0.0005	248.4	0	ANNUAL	Grid Receptor 94	G94
651344	4077573	0.00044	213.2	0	ANNUAL	Grid Receptor 95	G95
651344	4077173	0.00074	213.6	0	ANNUAL	Grid Receptor 96	G96
651344	4076773	0.00107	203.5	0	ANNUAL	Grid Receptor 97	G97
651344	4076373	0.00163	205.6	0	ANNUAL	Grid Receptor 98	G98
651344	4075973	0.00232	205.8	0	ANNUAL	Grid Receptor 99	G99
648584	4077523	0.00478	183.61	0	ANNUAL	Boundary Perimeter 1	P1
649484	4077537	0.00154	254.01	0	ANNUAL	Boundary Perimeter 10	P10
649584	4077539	0.00054	235.3	0	ANNUAL	Boundary Perimeter 11	P11
649684	4077540	0.00039	221.29	0	ANNUAL	Boundary Perimeter 12	P12
649784	4077541	0.00034	222.37	0	ANNUAL	Boundary Perimeter 13	P13
649884	4077542	0.00036	233.6	0	ANNUAL	Boundary Perimeter 14	P14
649984	4077543	0.00065	249.54	0	ANNUAL	Boundary Perimeter 15	P15
650084	4077546	0.00096	258.89	0	ANNUAL	Boundary Perimeter 16	P16
650184	4077548	0.0011	259.56	0	ANNUAL	Boundary Perimeter 17	P17
650284	4077550	0.00101	256.77	0	ANNUAL	Boundary Perimeter 18	P18
650384	4077552	0.0005	242.37	0	ANNUAL	Boundary Perimeter 19	P19

09/29/21

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- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.00522	197.16	0	ANNUAL	Boundary Perimeter 2	P2
650484	4077554	0.0005	242.23	0	ANNUAL	Boundary Perimeter 20	P20
650584	4077557	0.00103	259.71	0	ANNUAL	Boundary Perimeter 21	P21
650684	4077559	0.00094	257.58	0	ANNUAL	Boundary Perimeter 22	P22
650777	4077554	0.00122	267.9	0	ANNUAL	Boundary Perimeter 23	P23
650779	4077454	0.00142	275.91	0	ANNUAL	Boundary Perimeter 24	P24
650781	4077354	0.00155	265.73	0	ANNUAL	Boundary Perimeter 25	P25
650783	4077254	0.00111	251.08	0	ANNUAL	Boundary Perimeter 26	P26
650785	4077154	0.00136	252.83	0	ANNUAL	Boundary Perimeter 27	P27
650787	4077054	0.00126	246.1	0	ANNUAL	Boundary Perimeter 28	P28
650789	4076954	0.00129	241.37	0	ANNUAL	Boundary Perimeter 29	P29
648784	4077527	0.0053	209.74	0	ANNUAL	Boundary Perimeter 3	Р3
650791	4076854	0.00179	246.79	0	ANNUAL	Boundary Perimeter 30	P30
650794	4076754	0.00138	228.75	0	ANNUAL	Boundary Perimeter 31	P31
650754	4076683	0.00143	217.76	0	ANNUAL	Boundary Perimeter 32	P32
650660	4076650	0.00157	221.2	0	ANNUAL	Boundary Perimeter 33	P33
650561	4076650	0.00164	220.83	0	ANNUAL	Boundary Perimeter 34	P34
650463	4076666	0.00168	223.42	0	ANNUAL	Boundary Perimeter 35	P35
650364	4076682	0.00168	222.46	0	ANNUAL	Boundary Perimeter 36	P36
650264	4076683	0.00176	223.19	0	ANNUAL	Boundary Perimeter 37	P37
650165	4076674	0.00188	222.1	0	ANNUAL	Boundary Perimeter 38	P38
650066	4076660	0.00206	217.03	0	ANNUAL	Boundary Perimeter 39	P39
648884	4077529	0.00405	214.25	0	ANNUAL	Boundary Perimeter 4	P4
649980	4076627	0.00253	214.82	0	ANNUAL	Boundary Perimeter 40	P40
649920	4076547	0.00402	214.91	0	ANNUAL	Boundary Perimeter 41	P41
649852	4076474	0.00699	214.09	0	ANNUAL	Boundary Perimeter 42	P42
649771	4076417	0.01263	211.53	0	ANNUAL	Boundary Perimeter 43	P43
649680	4076375	0.02105	210.17	0	ANNUAL	Boundary Perimeter 44	P44
649581	4076368	0.02959	208.52	0	ANNUAL	Boundary Perimeter 45	P45
649482	4076384	0.03376	207.5	0	ANNUAL	Boundary Perimeter 46	P46
649392	4076425	0.02209	205.17	0	ANNUAL	Boundary Perimeter 47	P47
649304	4076472	0.00228	202.16	0	ANNUAL	Boundary Perimeter 48	P48

PMI

09/29/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.0008	196.38	0	ANNUAL	Boundary Perimeter 49	P49
648984	4077530	0.00242	221.41	0	ANNUAL	Boundary Perimeter 5	P5
649156	4076605	0.00278	195.87	0	ANNUAL	Boundary Perimeter 50	P50
649068	4076653	0.00347	196.32	0	ANNUAL	Boundary Perimeter 51	P51
648987	4076711	0.00357	192.42	0	ANNUAL	Boundary Perimeter 52	P52
648937	4076759	0.00388	192.46	0	ANNUAL	Boundary Perimeter 53	P53
648869	4076833	0.00427	191.63	0	ANNUAL	Boundary Perimeter 54	P54
648797	4076902	0.00416	186.32	0	ANNUAL	Boundary Perimeter 55	P55
648711	4076952	0.00336	179.81	0	ANNUAL	Boundary Perimeter 56	P56
648621	4076996	0.00273	176.23	0	ANNUAL	Boundary Perimeter 57	P57
648607	4077051	0.00323	175.02	0	ANNUAL	Boundary Perimeter 58	P58
648680	4077119	0.00505	180.62	0	ANNUAL	Boundary Perimeter 59	P59
649084	4077532	0.00136	216.54	0	ANNUAL	Boundary Perimeter 6	P6
648759	4077180	0.00657	183.47	0	ANNUAL	Boundary Perimeter 60	P60
648791	4077262	0.00747	202.88	0	ANNUAL	Boundary Perimeter 61	P61
648788	4077362	0.00577	178.21	0	ANNUAL	Boundary Perimeter 62	P62
648691	4077361	0.00555	176.25	0	ANNUAL	Boundary Perimeter 63	P63
648591	4077357	0.00491	176	0	ANNUAL	Boundary Perimeter 64	P64
648526	4077371	0.00444	175.24	0	ANNUAL	Boundary Perimeter 65	P65
648587	4077430	0.00485	175.13	0	ANNUAL	Boundary Perimeter 66	P66
649184	4077534	0.00091	230.71	0	ANNUAL	Boundary Perimeter 7	P7
649284	4077535	0.00158	248.08	0	ANNUAL	Boundary Perimeter 8	P8
649384	4077536	0.00223	258.43	0	ANNUAL	Boundary Perimeter 9	P9
645930	4077983	0.00047	127.38	0	ANNUAL	New Development	RP_G1
645930	4078083	0.00053	127.58	0	ANNUAL	New Development	RP_G10
646030	4078083	0.00056	130.56	0	ANNUAL	New Development	RP_G11
646130	4078083	0.0006	134.35	0	ANNUAL	New Development	RP_G12
646230	4078083	0.00065	139.22	0	ANNUAL	New Development	RP_G13
646330	4078083	0.00069	144.65	0	ANNUAL	New Development	RP_G14
646430	4078083	0.00074	142.28	0	ANNUAL	New Development	RP_G15
646530	4078083	0.0008	146.76	0	ANNUAL	New Development	RP_G16
646630	4078083	0.00087	150.64	0	ANNUAL	New Development	RP_G17

09/29/21

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13:26:55

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X	Υ	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.00095	155.4	0	ANNUAL	New Development	RP G18
645930	4078183	0.00059	127.22	0	ANNUAL	New Development	RP G19
646030	4077983	0.0005	131.21	0	ANNUAL	New Development	RP G2
646030	4078183	0.00063	130.56	0	ANNUAL	New Development	RP G20
646130	4078183	0.00067	133.89	0	ANNUAL	New Development	RP G21
646230	4078183	0.00072	140.45	0	ANNUAL	New Development	RP G22
646330	4078183	0.00077	146.94	0	ANNUAL	New Development	RP G23
646430	4078183	0.00082	140.23	0	ANNUAL	New Development	RP G24
646530	4078183	0.00089	147.25	0	ANNUAL	New Development	RP G25
646630	4078183	0.00097	151.56	0	ANNUAL	New Development	RP G26
646730	4078183	0.00106	157.78	0	ANNUAL	New Development	RP G27
645930	4078283	0.00065	126.06	0	ANNUAL	New Development	RP G28
646030	4078283	0.00069	129.56	0	ANNUAL	New Development	RP G29
646130	4077983	0.00053	135.89	0	ANNUAL	New Development	RP G3
646130	4078283	0.00074	132.89	0	ANNUAL	New Development	RP_G30
646230	4078283	0.00079	139.24	0	ANNUAL	New Development	RP_G31
646330	4078283	0.00085	142.68	0	ANNUAL	New Development	RP_G32
646430	4078283	0.00091	140.02	0	ANNUAL	New Development	RP_G33
646530	4078283	0.00099	147.22	0	ANNUAL	New Development	RP_G34
646630	4078283	0.00107	151.56	0	ANNUAL	New Development	RP_G35
646730	4078283	0.00117	156.78	0	ANNUAL	New Development	RP_G36
646230	4077983	0.00057	139.18	0	ANNUAL	New Development	RP_G4
646330	4077983	0.00062	140.76	0	ANNUAL	New Development	RP_G5
646430	4077983	0.00066	143.89	0	ANNUAL	New Development	RP_G6
646530	4077983	0.00072	145.22	0	ANNUAL	New Development	RP_G7
646630	4077983	0.00077	147.21	0	ANNUAL	New Development	RP_G8
646730	4077983	0.00084	148.3	0	ANNUAL	New Development	RP_G9
648659	4077241	0.00628	205.79	0	ANNUAL	House 1	RP_H1
648071	4076116	0.00024	169.6	0	ANNUAL	House 10	RP_H10
648247	4076278	0.00029	184.55	0	ANNUAL	House 11	RP_H11
648027	4076255	0.00023	169.38	0	ANNUAL	House 12	RP_H12
648066	4076359	0.00024	173.83	0	ANNUAL	House 13	RP_H13

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09/29/21

* AERMET (19191): Future Flare (Grnd Lvl) SO2 1-yr 2019

13:26:55

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.00026	178.22	0	ANNUAL	House 14	RP_H14
648255	4076411	0.0003	191.28	0	ANNUAL	House 15	RP_H15
647878	4076365	0.00021	165.39	0	ANNUAL	House 16	RP_H16
647520	4076206	0.00017	159	0	ANNUAL	House 17	RP_H17
647921	4076247	0.00022	164	0	ANNUAL	House 18	RP_H18
647709	4076352	0.00019	163.52	0	ANNUAL	House 19	RP_H19
648372	4075470	0.00018	173.69	0	ANNUAL	House 2	RP_H2
647704	4076251	0.00019	162.17	0	ANNUAL	House 20	RP_H20
647719	4076104	0.00019	159.35	0	ANNUAL	House 21	RP_H21
647843	4076125	0.00021	163	0	ANNUAL	House 22	RP_H22
647842	4076500	0.00021	167.93	0	ANNUAL	House 23	RP_H23
647728	4076644	0.0002	164.15	0	ANNUAL	House 24	RP_H24
647824	4076644	0.00022	168.29	0	ANNUAL	House 25	RP_H25
647530	4076497	0.00017	159.56	0	ANNUAL	House 26	RP_H26
647810	4076854	0.00029	162.9	0	ANNUAL	House 27	RP_H27
647697	4076989	0.00034	161.42	0	ANNUAL	House 28	RP_H28
648226	4076182	0.00027	183.22	0	ANNUAL	House 29	RP_H29
647678	4075969	0.00019	159.5	0	ANNUAL	House 3	RP_H3
645876	4077487	0.00025	127.13	0	ANNUAL	House 30	RP_H30
650902	4076062	0.00309	215.24	0	ANNUAL	House 31	RP_H31
651490	4076597	0.00124	205.5	0	ANNUAL	House 32	RP_H32
651565	4077067	0.00085	213.93	0	ANNUAL	House 33	RP_H33
648673	4075307	0.00028	225.91	0	ANNUAL	House 34	RP_H34
648384	4075469	0.00018	174.44	0	ANNUAL	House 35	RP_H35
646379	4077233	0.00023	146	0	ANNUAL	House 36	RP_H36
651850	4075865	0.00186	201.97	0	ANNUAL	House 37	RP_H37
652045	4076210	0.00137	196.88	0	ANNUAL	House 38	RP_H38
652256	4076391	0.00114	197.06	0	ANNUAL	House 39	RP_H39
647815	4075985	0.0002	162.04	0	ANNUAL	House 4	RP_H4
646854	4077373	0.00036	145.99	0	ANNUAL	House 40	RP_H40
647050	4077360	0.00041	145	0	ANNUAL	House 41	RP_H41
647286	4077474	0.00065	149.68	0	ANNUAL	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.00053	154.45	0	ANNUAL	House 43	RP_H43
647490	4077329	0.00061	162.28	0	ANNUAL	House 44	RP_H44
647522	4077252	0.00053	164.3	0	ANNUAL	House 45	RP_H45
647518	4077139	0.0004	164.01	0	ANNUAL	House 46	RP_H46
646819	4077258	0.00029	151.53	0	ANNUAL	House 47	RP_H47
646779	4077128	0.00024	158.51	0	ANNUAL	House 48	RP_H48
646987	4077213	0.0003	146.44	0	ANNUAL	House 49	RP_H49
647898	4076033	0.00021	163.83	0	ANNUAL	House 5	RP_H5
647242	4077227	0.00037	154.85	0	ANNUAL	House 50	RP_H50
646773	4077063	0.00022	159	0	ANNUAL	House 51	RP_H51
647104	4077118	0.00027	148.99	0	ANNUAL	House 52	RP_H52
647292	4077123	0.00032	158.62	0	ANNUAL	House 53	RP_H53
646765	4076978	0.00019	158.67	0	ANNUAL	House 54	RP_H54
646996	4076984	0.00021	152.34	0	ANNUAL	House 55	RP_H55
647317	4077031	0.00027	160.22	0	ANNUAL	House 56	RP_H56
647398	4077013	0.00028	161.26	0	ANNUAL	House 57	RP_H57
646979	4076904	0.00019	156.81	0	ANNUAL	House 58	RP_H58
647015	4076807	0.00017	156.21	0	ANNUAL	House 59	RP_H59
648045	4076018	0.00022	168.26	0	ANNUAL	House 6	RP_H6
647164	4076802	0.00018	154.38	0	ANNUAL	House 60	RP_H60
647311	4076940	0.00023	162.49	0	ANNUAL	House 61	RP_H61
647298	4076805	0.00019	158	0	ANNUAL	House 62	RP_H62
647447	4076900	0.00024	159.45	0	ANNUAL	House 63	RP_H63
647464	4076781	0.0002	159.32	0	ANNUAL	House 64	RP_H64
647512	4076536	0.00017	159	0	ANNUAL	House 65	RP_H65
651131	4078767	0.00014	179.58	0	ANNUAL	House 66	RP_H66
647131	4077336	0.00042	146.77	0	ANNUAL	House 67	RP_H67
646798	4076740	0.00015	156.07	0	ANNUAL	House 68	RP_H68
646900	4076802	0.00016	159	0	ANNUAL	House 69	RP_H69
648126	4075955	0.00022	171.51	0	ANNUAL	House 7	RP_H7
647317	4076662	0.00017	159.9	0	ANNUAL	House 70	RP_H70
648249	4075970	0.00024	183.42	0	ANNUAL	House 8	RP_H8

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- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.00026	182.28	0	ANNUAL	House 9	RP_H9

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08:26:49

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.02832	123.85	0	3-HR	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.01235	105.68	0	3-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	0.01402	85.12	0	3-HR	Dunne Park	CR_PK_1	
642179	4079950	0.02191	117.99	0	3-HR	Vista Park Hill Park	CR_PK_2	
644733	4078753	0.02233	106.44	0	3-HR	Las Brisas Park	CR_PK_3	
645609	4078854	0.02458	112.86	0	3-HR	Frank Klauer Memorial Park	CR_PK_4	
644238	4078807	0.02163	95.25	0	3-HR	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.01288	134.61	0	3-HR	Park 6	CR_PK_6	
649582	4073424	0.02974	159.96	0	3-HR	Park 7	CR_PK_7	
645145	4077181	0.01358	133	0	3-HR	Cerra Vista Elem School	CR_SC_1	
642905	4079955	0.02308	86	0	3-HR	San Andreas Continuation	CR_SC_10	
645851	4074015	0.01884	123	0	3-HR	SouthSide School	CR_SC_11	
642106	4078176	0.01127	91	0	3-HR	School 12	CR_SC_12	
646059	4078443	0.02799	128.52	0	3-HR	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.04877	158	0	3-HR	Future School	CR_SC_14	School 2
648466	4074106	0.02282	159	0	3-HR	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.01795	98.2	0	3-HR	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.01061	101.23	0	3-HR	Hollister Montessori School	CR_SC_3	
642961	4078621	0.0138	92	0	3-HR	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.02404	88	0	3-HR	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.01212	85	0	3-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.01062	98.22	0	3-HR	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.02073	87	0	3-HR	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.01109	90.17	0	3-HR	San Benito High School	CR_SC_9	
642083	4079794	0.0192	87.58	0	3-HR	Jovenes De Antano	CR_SR_1	
646402	4076879	0.01473	146.33	0	3-HR	Workplace	CR_WP_1	
648949	4077938	0.08764	189.45	0	3-HR	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.0498	155.2	0	3-HR	Grid Receptor 1	G1	
647744	4075573	0.03132	160	0	3-HR	Grid Receptor 10	G10	
651344	4075573	0.08872	252.9	0	3-HR	Grid Receptor 100	G100	
648144	4079173	0.04538	165.9	0	3-HR	Grid Receptor 11	G11	
648144	4078773	0.05109	159.6	0	3-HR	Grid Receptor 12	G12	

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* PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.04877	146.2	0	3-HR	Grid Receptor 13	G13
648144	4077973	0.06479	158.3	0	3-HR	Grid Receptor 14	G14
648144	4077573	0.06985	166.6	0	3-HR	Grid Receptor 15	G15
648144	4077173	0.06745	175.4	0	3-HR	Grid Receptor 16	G16
648144	4076773	0.02254	177.1	0	3-HR	Grid Receptor 17	G17
648144	4076373	0.03506	178	0	3-HR	Grid Receptor 18	G18
648144	4075973	0.0565	173	0	3-HR	Grid Receptor 19	G19
647744	4078773	0.05158	145.4	0	3-HR	Grid Receptor 2	G2
648144	4075573	0.04158	168.8	0	3-HR	Grid Receptor 20	G20
648544	4079173	0.06162	173.5	0	3-HR	Grid Receptor 21	G21
648544	4078773	0.06546	166.2	0	3-HR	Grid Receptor 22	G22
648544	4078373	0.06008	145.4	0	3-HR	Grid Receptor 23	G23
648544	4077973	0.07411	173.9	0	3-HR	Grid Receptor 24	G24
648544	4077573	0.08493	179.6	0	3-HR	Grid Receptor 25	G25
648544	4077173	0.11219	191	0	3-HR	Grid Receptor 26	G26
648544	4076773	0.07287	209.2	0	3-HR	Grid Receptor 27	G27
648544	4076373	0.05715	233.7	0	3-HR	Grid Receptor 28	G28
648544	4075973	0.05211	199.9	0	3-HR	Grid Receptor 29	G29
647744	4078373	0.05598	144.4	0	3-HR	Grid Receptor 3	G3
648544	4075573	0.0326	195.5	0	3-HR	Grid Receptor 30	G30
648944	4079173	0.04191	190.4	0	3-HR	Grid Receptor 31	G31
648944	4078773	0.04969	165.4	0	3-HR	Grid Receptor 32	G32
648944	4078373	0.06272	159.6	0	3-HR	Grid Receptor 33	G33
648944	4077973	0.08461	183.5	0	3-HR	Grid Receptor 34	G34
648944	4077573	0.15228	224	0	3-HR	Grid Receptor 35	G35
648944	4076373	0.05999	205	0	3-HR	Grid Receptor 38	G38
648944	4075973	0.0397	208.8	0	3-HR	Grid Receptor 39	G39
647744	4077973	0.0477	134.6	0	3-HR	Grid Receptor 4	G4
648944	4075573	0.04085	185.6	0	3-HR	Grid Receptor 40	G40
649344	4079173	0.03608	187.4	0	3-HR	Grid Receptor 41	G41
649344	4078773	0.0319	160.9	0	3-HR	Grid Receptor 42	G42
649344	4078373	0.04058	200.5	0	3-HR	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.04856	229	0	3-HR	Grid Receptor 44	G44
649344	4077573	0.13191	253.3	0	3-HR	Grid Receptor 45	G45
649344	4076373	0.28261	220.2	0	3-HR	Grid Receptor 48	G48
649344	4075973	0.16373	227.2	0	3-HR	Grid Receptor 49	G49
647744	4077573	0.05377	163.8	0	3-HR	Grid Receptor 5	G5
649344	4075573	0.1108	205.5	0	3-HR	Grid Receptor 50	G50
649744	4079173	0.027	176.1	0	3-HR	Grid Receptor 51	G51
649744	4078773	0.02931	195	0	3-HR	Grid Receptor 52	G52
649744	4078373	0.0275	196.1	0	3-HR	Grid Receptor 53	G53
649744	4077973	0.02672	215.3	0	3-HR	Grid Receptor 54	G54
649744	4077573	0.0459	221.6	0	3-HR	Grid Receptor 55	G55
649744	4076373	0.20917	211.7	0	3-HR	Grid Receptor 58	G58
649744	4075973	0.10572	237.7	0	3-HR	Grid Receptor 59	G59
647744	4077173	0.04109	158.4	0	3-HR	Grid Receptor 6	G6
649744	4075573	0.08023	204.2	0	3-HR	Grid Receptor 60	G60
650144	4079173	0.03036	173	0	3-HR	Grid Receptor 61	G61
650144	4078773	0.03057	171	0	3-HR	Grid Receptor 62	G62
650144	4078373	0.02445	204.6	0	3-HR	Grid Receptor 63	G63
650144	4077973	0.01807	216.5	0	3-HR	Grid Receptor 64	G64
650144	4077573	0.13651	257.7	0	3-HR	Grid Receptor 65	G65
650144	4076373	0.143	231.4	0	3-HR	Grid Receptor 68	G68
650144	4075973	0.1501	249.4	0	3-HR	Grid Receptor 69	G69
647744	4076773	0.02076	164.7	0	3-HR	Grid Receptor 7	G7
650144	4075573	0.06486	216.4	0	3-HR	Grid Receptor 70	G70
650544	4079173	0.02561	177	0	3-HR	Grid Receptor 71	G71
650544	4078773	0.01861	180.9	0	3-HR	Grid Receptor 72	G72
650544	4078373	0.02332	196.6	0	3-HR	Grid Receptor 73	G73
650544	4077973	0.0406	236.9	0	3-HR	Grid Receptor 74	G74
650544	4077573	0.16791	261.3	0	3-HR	Grid Receptor 75	G75
650544	4076373	0.17817	260.9	0	3-HR	Grid Receptor 78	G78
650544	4075973	0.09992	226.7	0	3-HR	Grid Receptor 79	G79
647744	4076373	0.02309	164	0	3-HR	Grid Receptor 8	G8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
650544	4075573	0.33297	268.2	0	3-HR	Grid Receptor 80	G80	PM
650944	4079173	0.01673	181.3	0	3-HR	Grid Receptor 81	G81	
650944	4078773	0.02514	178.4	0	3-HR	Grid Receptor 82	G82	
650944	4078373	0.04111	214.8	0	3-HR	Grid Receptor 83	G83	
650944	4077973	0.06851	249.9	0	3-HR	Grid Receptor 84	G84	
650944	4077573	0.19954	276.5	0	3-HR	Grid Receptor 85	G85	
650944	4077173	0.07106	225.6	0	3-HR	Grid Receptor 86	G86	
650944	4076773	0.07143	219.8	0	3-HR	Grid Receptor 87	G87	
650944	4076373	0.07967	209.2	0	3-HR	Grid Receptor 88	G88	
650944	4075973	0.08399	216.6	0	3-HR	Grid Receptor 89	G89	
647744	4075973	0.06309	160.7	0	3-HR	Grid Receptor 9	G9	
650944	4075573	0.06511	243.2	0	3-HR	Grid Receptor 90	G90	
651344	4079173	0.02711	191	0	3-HR	Grid Receptor 91	G91	
651344	4078773	0.03554	181	0	3-HR	Grid Receptor 92	G92	
651344	4078373	0.035	214.3	0	3-HR	Grid Receptor 93	G93	
651344	4077973	0.05677	248.4	0	3-HR	Grid Receptor 94	G94	
651344	4077573	0.04371	213.2	0	3-HR	Grid Receptor 95	G95	
651344	4077173	0.05613	213.6	0	3-HR	Grid Receptor 96	G96	
651344	4076773	0.05815	203.5	0	3-HR	Grid Receptor 97	G97	
651344	4076373	0.06347	205.6	0	3-HR	Grid Receptor 98	G98	
651344	4075973	0.06656	205.8	0	3-HR	Grid Receptor 99	G99	
648584	4077523	0.09168	183.61	0	3-HR	Boundary Perimeter 1	P1	
649484	4077537	0.14994	254.01	0	3-HR	Boundary Perimeter 10	P10	
649584	4077539	0.03736	235.3	0	3-HR	Boundary Perimeter 11	P11	
649684	4077540	0.05212	221.29	0	3-HR	Boundary Perimeter 12	P12	
649784	4077541	0.03696	222.37	0	3-HR	Boundary Perimeter 13	P13	
649884	4077542	0.02219	233.6	0	3-HR	Boundary Perimeter 14	P14	
649984	4077543	0.07763	249.54	0	3-HR	Boundary Perimeter 15	P15	
650084	4077546	0.16919	258.89	0	3-HR	Boundary Perimeter 16	P16	
650184	4077548	0.16355	259.56	0	3-HR	Boundary Perimeter 17	P17	
650284	4077550	0.12177	256.77	0	3-HR	Boundary Perimeter 18	P18	
650384	4077552	0.04126	242.37	0	3-HR	Boundary Perimeter 19	P19	

09/30/21

* AERMET (19191): Future Flare (Ground Lvl) SO2 3-hr 2019

08:26:49

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

648684 407	7525 0.11257	197.16	0			
		177.10	0	3-HR	Boundary Perimeter 2	P2
650484 407	7554 0.03803	242.23	0	3-HR	Boundary Perimeter 20	P20
650584 407	7557 0.15369	259.71	0	3-HR	Boundary Perimeter 21	P21
650684 407	7559 0.14257	257.58	0	3-HR	Boundary Perimeter 22	P22
650777 407	7554 0.18771	267.9	0	3-HR	Boundary Perimeter 23	P23
650779 407	7454 0.18485	275.91	0	3-HR	Boundary Perimeter 24	P24
650781 407	7354 0.17336	265.73	0	3-HR	Boundary Perimeter 25	P25
650783 407	7254 0.07041	251.08	0	3-HR	Boundary Perimeter 26	P26
650785 407	7154 0.08566	252.83	0	3-HR	Boundary Perimeter 27	P27
650787 407	7054 0.07166	246.1	0	3-HR	Boundary Perimeter 28	P28
650789 407	6954 0.0713	241.37	0	3-HR	Boundary Perimeter 29	P29
648784 407	7527 0.14646	209.74	0	3-HR	Boundary Perimeter 3	Р3
650791 407	0.07134	246.79	0	3-HR	Boundary Perimeter 30	P30
650794 407	6754 0.0749	228.75	0	3-HR	Boundary Perimeter 31	P31
	0.06949	217.76	0	3-HR	Boundary Perimeter 32	P32
650660 407	0.06928	221.2	0	3-HR	Boundary Perimeter 33	P33
650561 407	0.07016	220.83	0	3-HR	Boundary Perimeter 34	P34
650463 407	0.07274	223.42	0	3-HR	Boundary Perimeter 35	P35
650364 407	6682 0.07499	222.46	0	3-HR	Boundary Perimeter 36	P36
650264 407	6683 0.07684	223.19	0	3-HR	Boundary Perimeter 37	P37
	0.08854		0	3-HR	Boundary Perimeter 38	P38
	6660 0.10123	217.03	0	3-HR	Boundary Perimeter 39	P39
	7529 0.14847	214.25	0	3-HR	Boundary Perimeter 4	P4
649980 407	6627 0.10893	214.82	0	3-HR	Boundary Perimeter 40	P40
649920 407	0.15565	214.91	0	3-HR	Boundary Perimeter 41	P41
649852 407	6474 0.14336	214.09	0	3-HR	Boundary Perimeter 42	P42
	6417 0.24844	211.53	0	3-HR	Boundary Perimeter 43	P43
	6375 0.22286	210.17	0	3-HR	Boundary Perimeter 44	P44
	6368 0.23898	208.52	0	3-HR	Boundary Perimeter 45	P45
	6384 0.29015	207.5	0	3-HR	Boundary Perimeter 46	P46
	6425 0.27226	205.17	0	3-HR	Boundary Perimeter 47	P47
649304 407	0.10166	202.16	0	3-HR	Boundary Perimeter 48	P48

09/30/21

* AERMET (19191): Future Flare (Ground Lvl) SO2 3-hr 2019

08:26:49

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.05539	196.38	0	3-HR	Boundary Perimeter 49	P49
648984	4077530	0.15119	221.41	0	3-HR	Boundary Perimeter 5	P5
649156	4076605	0.17693	195.87	0	3-HR	Boundary Perimeter 50	P50
649068	4076653	0.17007	196.32	0	3-HR	Boundary Perimeter 51	P51
648987	4076711	0.17361	192.42	0	3-HR	Boundary Perimeter 52	P52
648937	4076759	0.17789	192.46	0	3-HR	Boundary Perimeter 53	P53
648869	4076833	0.15074	191.63	0	3-HR	Boundary Perimeter 54	P54
648797	4076902	0.12264	186.32	0	3-HR	Boundary Perimeter 55	P55
648711	4076952	0.10773	179.81	0	3-HR	Boundary Perimeter 56	P56
648621	4076996	0.09995	176.23	0	3-HR	Boundary Perimeter 57	P57
648607	4077051	0.10972	175.02	0	3-HR	Boundary Perimeter 58	P58
648680	4077119	0.14864	180.62	0	3-HR	Boundary Perimeter 59	P59
649084	4077532	0.09591	216.54	0	3-HR	Boundary Perimeter 6	P6
648759	4077180	0.13614	183.47	0	3-HR	Boundary Perimeter 60	P60
648791	4077262	0.16035	202.88	0	3-HR	Boundary Perimeter 61	P61
648788	4077362	0.12492	178.21	0	3-HR	Boundary Perimeter 62	P62
648691	4077361	0.11079	176.25	0	3-HR	Boundary Perimeter 63	P63
648591	4077357	0.10194	176	0	3-HR	Boundary Perimeter 64	P64
648526	4077371	0.10255	175.24	0	3-HR	Boundary Perimeter 65	P65
648587	4077430	0.10092	175.13	0	3-HR	Boundary Perimeter 66	P66
649184	4077534	0.06673	230.71	0	3-HR	Boundary Perimeter 7	P7
649284	4077535	0.10357	248.08	0	3-HR	Boundary Perimeter 8	P8
649384	4077536	0.19719	258.43	0	3-HR	Boundary Perimeter 9	P9
645930	4077983	0.03088	127.38	0	3-HR	New Development	RP_G1
645930	4078083	0.03126	127.58	0	3-HR	New Development	RP_G10
646030	4078083	0.03134	130.56	0	3-HR	New Development	RP_G11
646130	4078083	0.03086	134.35	0	3-HR	New Development	RP_G12
646230	4078083	0.02978	139.22	0	3-HR	New Development	RP_G13
646330	4078083	0.02853	144.65	0	3-HR	New Development	RP_G14
646430	4078083	0.03055	142.28	0	3-HR	New Development	RP_G15
646530	4078083	0.03212	146.76	0	3-HR	New Development	RP_G16
646630	4078083	0.03297	150.64	0	3-HR	New Development	RP_G17

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09/30/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.03293	155.4	0	3-HR	New Development	RP_G18
645930	4078183	0.02932	127.22	0	3-HR	New Development	RP_G19
646030	4077983	0.03207	131.21	0	3-HR	New Development	RP_G2
646030	4078183	0.02833	130.56	0	3-HR	New Development	RP_G20
646130	4078183	0.02689	133.89	0	3-HR	New Development	RP_G21
646230	4078183	0.02884	140.45	0	3-HR	New Development	RP_G22
646330	4078183	0.03041	146.94	0	3-HR	New Development	RP_G23
646430	4078183	0.03128	140.23	0	3-HR	New Development	RP_G24
646530	4078183	0.03154	147.25	0	3-HR	New Development	RP_G25
646630	4078183	0.03091	151.56	0	3-HR	New Development	RP_G26
646730	4078183	0.03335	157.78	0	3-HR	New Development	RP_G27
645930	4078283	0.02561	126.06	0	3-HR	New Development	RP_G28
646030	4078283	0.0272	129.56	0	3-HR	New Development	RP_G29
646130	4077983	0.03281	135.89	0	3-HR	New Development	RP_G3
646130	4078283	0.02868	132.89	0	3-HR	New Development	RP_G30
646230	4078283	0.02972	139.24	0	3-HR	New Development	RP_G31
646330	4078283	0.03015	142.68	0	3-HR	New Development	RP_G32
646430	4078283	0.02981	140.02	0	3-HR	New Development	RP_G33
646530	4078283	0.03113	147.22	0	3-HR	New Development	RP_G34
646630	4078283	0.03314	151.56	0	3-HR	New Development	RP_G35
646730	4078283	0.03419	156.78	0	3-HR	New Development	RP_G36
646230	4077983	0.03298	139.18	0	3-HR	New Development	RP_G4
646330	4077983	0.03248	140.76	0	3-HR	New Development	RP_G5
646430	4077983	0.03127	143.89	0	3-HR	New Development	RP_G6
646530	4077983	0.0302	145.22	0	3-HR	New Development	RP_G7
646630	4077983	0.03239	147.21	0	3-HR	New Development	RP_G8
646730	4077983	0.03391	148.3	0	3-HR	New Development	RP_G9
648659	4077241	0.15839	205.79	0	3-HR	House 1	RP_H1
648071	4076116	0.06537	169.6	0	3-HR	House 10	RP_H10
648247	4076278	0.05682	184.55	0	3-HR	House 11	RP_H11
648027	4076255	0.05025	169.38	0	3-HR	House 12	RP_H12
648066	4076359	0.03466	173.83	0	3-HR	House 13	RP_H13

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.03007	178.22	0	3-HR	House 14	RP_H14
648255	4076411	0.03262	191.28	0	3-HR	House 15	RP_H15
647878	4076365	0.02749	165.39	0	3-HR	House 16	RP_H16
647520	4076206	0.03683	159	0	3-HR	House 17	RP_H17
647921	4076247	0.04667	164	0	3-HR	House 18	RP_H18
647709	4076352	0.02484	163.52	0	3-HR	House 19	RP_H19
648372	4075470	0.0336	173.69	0	3-HR	House 2	RP_H2
647704	4076251	0.0378	162.17	0	3-HR	House 20	RP_H20
647719	4076104	0.05564	159.35	0	3-HR	House 21	RP_H21
647843	4076125	0.05853	163	0	3-HR	House 22	RP_H22
647842	4076500	0.02388	167.93	0	3-HR	House 23	RP_H23
647728	4076644	0.02246	164.15	0	3-HR	House 24	RP_H24
647824	4076644	0.02327	168.29	0	3-HR	House 25	RP_H25
647530	4076497	0.02147	159.56	0	3-HR	House 26	RP_H26
647810	4076854	0.02517	162.9	0	3-HR	House 27	RP_H27
647697	4076989	0.03618	161.42	0	3-HR	House 28	RP_H28
648226	4076182	0.0666	183.22	0	3-HR	House 29	RP_H29
647678	4075969	0.06207	159.5	0	3-HR	House 3	RP_H3
645876	4077487	0.02234	127.13	0	3-HR	House 30	RP_H30
650902	4076062	0.08782	215.24	0	3-HR	House 31	RP_H31
651490	4076597	0.04865	205.5	0	3-HR	House 32	RP_H32
651565	4077067	0.05483	213.93	0	3-HR	House 33	RP_H33
648673	4075307	0.07036	225.91	0	3-HR	House 34	RP_H34
648384	4075469	0.03305	174.44	0	3-HR	House 35	RP_H35
646379	4077233	0.01923	146	0	3-HR	House 36	RP_H36
651850	4075865	0.0501	201.97	0	3-HR	House 37	RP_H37
652045	4076210	0.04377	196.88	0	3-HR	House 38	RP_H38
652256	4076391	0.03833	197.06	0	3-HR	House 39	RP_H39
647815	4075985	0.06386	162.04	0	3-HR	House 4	RP_H4
646854	4077373	0.03669	145.99	0	3-HR	House 40	RP_H40
647050	4077360	0.03878	145	0	3-HR	House 41	RP_H41
647286	4077474	0.04088	149.68	0	3-HR	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.03819	154.45	0	3-HR	House 43	RP_H43
647490	4077329	0.04096	162.28	0	3-HR	House 44	RP_H44
647522	4077252	0.04083	164.3	0	3-HR	House 45	RP_H45
647518	4077139	0.04303	164.01	0	3-HR	House 46	RP_H46
646819	4077258	0.03149	151.53	0	3-HR	House 47	RP_H47
646779	4077128	0.02098	158.51	0	3-HR	House 48	RP_H48
646987	4077213	0.03319	146.44	0	3-HR	House 49	RP_H49
647898	4076033	0.06462	163.83	0	3-HR	House 5	RP_H5
647242	4077227	0.04036	154.85	0	3-HR	House 50	RP_H50
646773	4077063	0.02019	159	0	3-HR	House 51	RP_H51
647104	4077118	0.02924	148.99	0	3-HR	House 52	RP_H52
647292	4077123	0.03584	158.62	0	3-HR	House 53	RP_H53
646765	4076978	0.01888	158.67	0	3-HR	House 54	RP_H54
646996	4076984	0.02103	152.34	0	3-HR	House 55	RP_H55
647317	4077031	0.02758	160.22	0	3-HR	House 56	RP_H56
647398	4077013	0.02836	161.26	0	3-HR	House 57	RP_H57
646979	4076904	0.01893	156.81	0	3-HR	House 58	RP_H58
647015	4076807	0.01642	156.21	0	3-HR	House 59	RP_H59
648045	4076018	0.064	168.26	0	3-HR	House 6	RP_H6
647164	4076802	0.01692	154.38	0	3-HR	House 60	RP_H60
647311	4076940	0.02314	162.49	0	3-HR	House 61	RP_H61
647298	4076805	0.01808	158	0	3-HR	House 62	RP_H62
647447	4076900	0.02347	159.45	0	3-HR	House 63	RP_H63
647464	4076781	0.01843	159.32	0	3-HR	House 64	RP_H64
647512	4076536	0.0215	159	0	3-HR	House 65	RP_H65
651131	4078767	0.03196	179.58	0	3-HR	House 66	RP_H66
647131	4077336	0.03954	146.77	0	3-HR	House 67	RP_H67
646798	4076740	0.01657	156.07	0	3-HR	House 68	RP_H68
646900	4076802	0.01611	159	0	3-HR	House 69	RP_H69
648126	4075955	0.05518	171.51	0	3-HR	House 7	RP_H7
647317	4076662	0.01973	159.9	0	3-HR	House 70	RP_H70
648249	4075970	0.05002	183.42	0	3-HR	House 8	RP_H8

09/30/21

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.06688	182.28	0	3-HR	House 9	RP_H9

09/29/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 24-hr 2019

13:27:06

- PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.00739	123.85	0	24-HR	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.00442	105.68	0	24-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	0.00357	85.12	0	24-HR	Dunne Park	CR_PK_1	
642179	4079950	0.00475	117.99	0	24-HR	Vista Park Hill Park	CR_PK_2	
644733	4078753	0.0077	106.44	0	24-HR	Las Brisas Park	CR_PK_3	
645609	4078854	0.00764	112.86	0	24-HR	Frank Klauer Memorial Park	CR_PK_4	
644238	4078807	0.00611	95.25	0	24-HR	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.00369	134.61	0	24-HR	Park 6	CR_PK_6	
649582	4073424	0.00594	159.96	0	24-HR	Park 7	CR_PK_7	
645145	4077181	0.0031	133	0	24-HR	Cerra Vista Elem School	CR_SC_1	
642905	4079955	0.00568	86	0	24-HR	San Andreas Continuation	CR_SC_10	
645851	4074015	0.00306	123	0	24-HR	SouthSide School	CR_SC_11	
642106	4078176	0.00441	91	0	24-HR	School 12	CR_SC_12	
646059	4078443	0.01001	128.52	0	24-HR	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.00274	158	0	24-HR	Future School	CR_SC_14	School 2
648466	4074106	0.00464	159	0	24-HR	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.00473	98.2	0	24-HR	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.00291	101.23	0	24-HR	Hollister Montessori School	CR_SC_3	
642961	4078621	0.0045	92	0	24-HR	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.00586	88	0	24-HR	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.00384	85	0	24-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.00294	98.22	0	24-HR	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.00434	87	0	24-HR	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.00479	90.17	0	24-HR	San Benito High School	CR_SC_9	
642083	4079794	0.00418	87.58	0	24-HR	Jovenes De Antano	CR_SR_1	
646402	4076879	0.00359	146.33	0	24-HR	Workplace	CR_WP_1	
648949	4077938	0.011	189.45	0	24-HR	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.01057	155.2	0	24-HR	Grid Receptor 1	G1	
647744	4075573	0.00321	160	0	24-HR	Grid Receptor 10	G10	
651344	4075573	0.022	252.9	0	24-HR	Grid Receptor 100	G100	
648144	4079173	0.00701	165.9	0	24-HR	Grid Receptor 11	G11	
648144	4078773	0.00919	159.6	0	24-HR	Grid Receptor 12	G12	

09/29/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 24-hr 2019

13:27:06

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.01474	146.2	0	24-HR	Grid Receptor 13	G13
648144	4077973	0.01658	158.3	0	24-HR	Grid Receptor 14	G14
648144	4077573	0.01748	166.6	0	24-HR	Grid Receptor 15	G15
648144	4077173	0.02109	175.4	0	24-HR	Grid Receptor 16	G16
648144	4076773	0.01328	177.1	0	24-HR	Grid Receptor 17	G17
648144	4076373	0.00393	178	0	24-HR	Grid Receptor 18	G18
648144	4075973	0.00387	173	0	24-HR	Grid Receptor 19	G19
647744	4078773	0.0128	145.4	0	24-HR	Grid Receptor 2	G2
648144	4075573	0.00552	168.8	0	24-HR	Grid Receptor 20	G20
648544	4079173	0.00714	173.5	0	24-HR	Grid Receptor 21	G21
648544	4078773	0.00844	166.2	0	24-HR	Grid Receptor 22	G22
648544	4078373	0.00958	145.4	0	24-HR	Grid Receptor 23	G23
648544	4077973	0.01315	173.9	0	24-HR	Grid Receptor 24	G24
648544	4077573	0.02187	179.6	0	24-HR	Grid Receptor 25	G25
648544	4077173	0.02233	191	0	24-HR	Grid Receptor 26	G26
648544	4076773	0.04007	209.2	0	24-HR	Grid Receptor 27	G27
648544	4076373	0.00849	233.7	0	24-HR	Grid Receptor 28	G28
648544	4075973	0.00479	199.9	0	24-HR	Grid Receptor 29	G29
647744	4078373	0.01307	144.4	0	24-HR	Grid Receptor 3	G3
648544	4075573	0.00915	195.5	0	24-HR	Grid Receptor 30	G30
648944	4079173	0.0049	190.4	0	24-HR	Grid Receptor 31	G31
648944	4078773	0.00445	165.4	0	24-HR	Grid Receptor 32	G32
648944	4078373	0.00627	159.6	0	24-HR	Grid Receptor 33	G33
648944	4077973	0.01049	183.5	0	24-HR	Grid Receptor 34	G34
648944	4077573	0.01913	224	0	24-HR	Grid Receptor 35	G35
648944	4076373	0.00791	205	0	24-HR	Grid Receptor 38	G38
648944	4075973	0.03287	208.8	0	24-HR	Grid Receptor 39	G39
647744	4077973	0.01359	134.6	0	24-HR	Grid Receptor 4	G4
648944	4075573	0.00835	185.6	0	24-HR	Grid Receptor 40	G40
649344	4079173	0.00299	187.4	0	24-HR	Grid Receptor 41	G41
649344	4078773	0.00283	160.9	0	24-HR	Grid Receptor 42	G42
649344	4078373	0.00326	200.5	0	24-HR	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00405	229	0	24-HR	Grid Receptor 44	G44
649344	4077573	0.03577	253.3	0	24-HR	Grid Receptor 45	G45
649344	4076373	0.09254	220.2	0	24-HR	Grid Receptor 48	G48
649344	4075973	0.03999	227.2	0	24-HR	Grid Receptor 49	G49
647744	4077573	0.01046	163.8	0	24-HR	Grid Receptor 5	G5
649344	4075573	0.01802	205.5	0	24-HR	Grid Receptor 50	G50
649744	4079173	0.00329	176.1	0	24-HR	Grid Receptor 51	G51
649744	4078773	0.00363	195	0	24-HR	Grid Receptor 52	G52
649744	4078373	0.00365	196.1	0	24-HR	Grid Receptor 53	G53
649744	4077973	0.0033	215.3	0	24-HR	Grid Receptor 54	G54
649744	4077573	0.0033	221.6	0	24-HR	Grid Receptor 55	G55
649744	4076373	0.09743	211.7	0	24-HR	Grid Receptor 58	G58
649744	4075973	0.04615	237.7	0	24-HR	Grid Receptor 59	G59
647744	4077173	0.01889	158.4	0	24-HR	Grid Receptor 6	G6
649744	4075573	0.01898	204.2	0	24-HR	Grid Receptor 60	G60
650144	4079173	0.00375	173	0	24-HR	Grid Receptor 61	G61
650144	4078773	0.0029	171	0	24-HR	Grid Receptor 62	G62
650144	4078373	0.00265	204.6	0	24-HR	Grid Receptor 63	G63
650144	4077973	0.00297	216.5	0	24-HR	Grid Receptor 64	G64
650144	4077573	0.03486	257.7	0	24-HR	Grid Receptor 65	G65
650144	4076373	0.04842	231.4	0	24-HR	Grid Receptor 68	G68
650144	4075973	0.04747	249.4	0	24-HR	Grid Receptor 69	G69
647744	4076773	0.00758	164.7	0	24-HR	Grid Receptor 7	G7
650144	4075573	0.02054	216.4	0	24-HR	Grid Receptor 70	G70
650544	4079173	0.00221	177	0	24-HR	Grid Receptor 71	G71
650544	4078773	0.00233	180.9	0	24-HR	Grid Receptor 72	G72
650544	4078373	0.00234	196.6	0	24-HR	Grid Receptor 73	G73
650544	4077973	0.00481	236.9	0	24-HR	Grid Receptor 74	G74
650544	4077573	0.02864	261.3	0	24-HR	Grid Receptor 75	G75
650544	4076373	0.04907	260.9	0	24-HR	Grid Receptor 78	G78
650544	4075973	0.03669	226.7	0	24-HR	Grid Receptor 79	G79
647744	4076373	0.00332	164	0	24-HR	Grid Receptor 8	G8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.07774	268.2	0	24-HR	Grid Receptor 80	G80
650944	4079173	0.00198	181.3	0	24-HR	Grid Receptor 81	G81
650944	4078773	0.00187	178.4	0	24-HR	Grid Receptor 82	G82
650944	4078373	0.00237	214.8	0	24-HR	Grid Receptor 83	G83
650944	4077973	0.01327	249.9	0	24-HR	Grid Receptor 84	G84
650944	4077573	0.02894	276.5	0	24-HR	Grid Receptor 85	G85
650944	4077173	0.01325	225.6	0	24-HR	Grid Receptor 86	G86
650944	4076773	0.01929	219.8	0	24-HR	Grid Receptor 87	G87
650944	4076373	0.0334	209.2	0	24-HR	Grid Receptor 88	G88
650944	4075973	0.026	216.6	0	24-HR	Grid Receptor 89	G89
647744	4075973	0.00301	160.7	0	24-HR	Grid Receptor 9	G9
650944	4075573	0.02417	243.2	0	24-HR	Grid Receptor 90	G90
651344	4079173	0.00162	191	0	24-HR	Grid Receptor 91	G91
651344	4078773	0.00174	181	0	24-HR	Grid Receptor 92	G92
651344	4078373	0.00418	214.3	0	24-HR	Grid Receptor 93	G93
651344	4077973	0.00659	248.4	0	24-HR	Grid Receptor 94	G94
651344	4077573	0.01263	213.2	0	24-HR	Grid Receptor 95	G95
651344	4077173	0.01167	213.6	0	24-HR	Grid Receptor 96	G96
651344	4076773	0.01534	203.5	0	24-HR	Grid Receptor 97	G97
651344	4076373	0.02807	205.6	0	24-HR	Grid Receptor 98	G98
651344	4075973	0.01422	205.8	0	24-HR	Grid Receptor 99	G99
648584	4077523	0.02283	183.61	0	24-HR	Boundary Perimeter 1	P1
649484	4077537	0.04555	254.01	0	24-HR	Boundary Perimeter 10	P10
649584	4077539	0.00339	235.3	0	24-HR	Boundary Perimeter 11	P11
649684	4077540	0.00313	221.29	0	24-HR	Boundary Perimeter 12	P12
649784	4077541	0.00347	222.37	0	24-HR	Boundary Perimeter 13	P13
649884	4077542	0.00342	233.6	0	24-HR	Boundary Perimeter 14	P14
649984	4077543	0.02436	249.54	0	24-HR	Boundary Perimeter 15	P15
650084	4077546	0.0476	258.89	0	24-HR	Boundary Perimeter 16	P16
650184	4077548	0.04435	259.56	0	24-HR	Boundary Perimeter 17	P17
650284	4077550	0.03658	256.77	0	24-HR	Boundary Perimeter 18	P18
650384	4077552	0.00842	242.37	0	24-HR	Boundary Perimeter 19	P19

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.0227	197.16	0	24-HR	Boundary Perimeter 2	P2
650484	4077554	0.00938	242.23	0	24-HR	Boundary Perimeter 20	P20
650584	4077557	0.02049	259.71	0	24-HR	Boundary Perimeter 21	P21
650684	4077559	0.01386	257.58	0	24-HR	Boundary Perimeter 22	P22
650777	4077554	0.02711	267.9	0	24-HR	Boundary Perimeter 23	P23
650779	4077454	0.02701	275.91	0	24-HR	Boundary Perimeter 24	P24
650781	4077354	0.02639	265.73	0	24-HR	Boundary Perimeter 25	P25
650783	4077254	0.01801	251.08	0	24-HR	Boundary Perimeter 26	P26
650785	4077154	0.01993	252.83	0	24-HR	Boundary Perimeter 27	P27
650787	4077054	0.01989	246.1	0	24-HR	Boundary Perimeter 28	P28
650789	4076954	0.01651	241.37	0	24-HR	Boundary Perimeter 29	P29
648784	4077527	0.01968	209.74	0	24-HR	Boundary Perimeter 3	Р3
650791	4076854	0.02023	246.79	0	24-HR	Boundary Perimeter 30	P30
650794	4076754	0.02082	228.75	0	24-HR	Boundary Perimeter 31	P31
650754	4076683	0.02216	217.76	0	24-HR	Boundary Perimeter 32	P32
650660	4076650	0.02369	221.2	0	24-HR	Boundary Perimeter 33	P33
650561	4076650	0.02488	220.83	0	24-HR	Boundary Perimeter 34	P34
650463	4076666	0.02558	223.42	0	24-HR	Boundary Perimeter 35	P35
650364	4076682	0.026	222.46	0	24-HR	Boundary Perimeter 36	P36
650264	4076683	0.02729	223.19	0	24-HR	Boundary Perimeter 37	P37
650165	4076674	0.0292	222.1	0	24-HR	Boundary Perimeter 38	P38
650066	4076660	0.03196	217.03	0	24-HR	Boundary Perimeter 39	P39
648884	4077529	0.02004	214.25	0	24-HR	Boundary Perimeter 4	P4
649980	4076627	0.0371	214.82	0	24-HR	Boundary Perimeter 40	P40
649920	4076547	0.05578	214.91	0	24-HR	Boundary Perimeter 41	P41
649852	4076474	0.0755	214.09	0	24-HR	Boundary Perimeter 42	P42
649771	4076417	0.06984	211.53	0	24-HR	Boundary Perimeter 43	P43
649680	4076375	0.1015	210.17	0	24-HR	Boundary Perimeter 44	P44
649581	4076368	0.09761	208.52	0	24-HR	Boundary Perimeter 45	P45
649482	4076384	0.1134	207.5	0	24-HR	Boundary Perimeter 46	P46
649392	4076425	0.10338	205.17	0	24-HR	Boundary Perimeter 47	P47
649304	4076472	0.02621	202.16	0	24-HR	Boundary Perimeter 48	P48

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.02293	196.38	0	24-HR	Boundary Perimeter 49	P49
648984	4077530	0.01901	221.41	0	24-HR	Boundary Perimeter 5	P5
649156	4076605	0.03192	195.87	0	24-HR	Boundary Perimeter 50	P50
649068	4076653	0.05821	196.32	0	24-HR	Boundary Perimeter 51	P51
648987	4076711	0.05815	192.42	0	24-HR	Boundary Perimeter 52	P52
648937	4076759	0.05074	192.46	0	24-HR	Boundary Perimeter 53	P53
648869	4076833	0.03842	191.63	0	24-HR	Boundary Perimeter 54	P54
648797	4076902	0.02928	186.32	0	24-HR	Boundary Perimeter 55	P55
648711	4076952	0.02623	179.81	0	24-HR	Boundary Perimeter 56	P56
648621	4076996	0.02453	176.23	0	24-HR	Boundary Perimeter 57	P57
648607	4077051	0.02263	175.02	0	24-HR	Boundary Perimeter 58	P58
648680	4077119	0.02869	180.62	0	24-HR	Boundary Perimeter 59	P59
649084	4077532	0.01467	216.54	0	24-HR	Boundary Perimeter 6	P6
648759	4077180	0.03157	183.47	0	24-HR	Boundary Perimeter 60	P60
648791	4077262	0.03113	202.88	0	24-HR	Boundary Perimeter 61	P61
648788	4077362	0.02249	178.21	0	24-HR	Boundary Perimeter 62	P62
648691	4077361	0.02506	176.25	0	24-HR	Boundary Perimeter 63	P63
648591	4077357	0.02559	176	0	24-HR	Boundary Perimeter 64	P64
648526	4077371	0.02488	175.24	0	24-HR	Boundary Perimeter 65	P65
648587	4077430	0.02389	175.13	0	24-HR	Boundary Perimeter 66	P66
649184	4077534	0.00846	230.71	0	24-HR	Boundary Perimeter 7	P7
649284	4077535	0.01984	248.08	0	24-HR	Boundary Perimeter 8	P8
649384	4077536	0.05491	258.43	0	24-HR	Boundary Perimeter 9	P9
645930	4077983	0.00802	127.38	0	24-HR	New Development	RP_G1
645930	4078083	0.0092	127.58	0	24-HR	New Development	RP_G10
646030	4078083	0.00993	130.56	0	24-HR	New Development	RP_G11
646130	4078083	0.01063	134.35	0	24-HR	New Development	RP_G12
646230	4078083	0.01125	139.22	0	24-HR	New Development	RP_G13
646330	4078083	0.01175	144.65	0	24-HR	New Development	RP_G14
646430	4078083	0.01202	142.28	0	24-HR	New Development	RP_G15
646530	4078083	0.01207	146.76	0	24-HR	New Development	RP_G16
646630	4078083	0.01183	150.64	0	24-HR	New Development	RP_G17

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.01131	155.4	0	24-HR	New Development	RP G18
645930	4078183	0.01015	127.22	0	24-HR	New Development	RP G19
646030	4077983	0.00875	131.21	0	24-HR	New Development	RP G2
646030	4078183	0.01072	130.56	0	24-HR	New Development	RP G20
646130	4078183	0.01117	133.89	0	24-HR	New Development	RP G21
646230	4078183	0.01148	140.45	0	24-HR	New Development	RP G22
646330	4078183	0.01159	146.94	0	24-HR	New Development	RP G23
646430	4078183	0.01144	140.23	0	24-HR	New Development	RP G24
646530	4078183	0.01105	147.25	0	24-HR	New Development	RP G25
646630	4078183	0.01042	151.56	0	24-HR	New Development	RP G26
646730	4078183	0.00958	157.78	0	24-HR	New Development	RP G27
645930	4078283	0.01064	126.06	0	24-HR	New Development	RP G28
646030	4078283	0.01094	129.56	0	24-HR	New Development	RP G29
646130	4077983	0.00954	135.89	0	24-HR	New Development	RP G3
646130	4078283	0.01107	132.89	0	24-HR	New Development	RP G30
646230	4078283	0.01101	139.24	0	24-HR	New Development	RP G31
646330	4078283	0.01074	142.68	0	24-HR	New Development	RP G32
646430	4078283	0.01024	140.02	0	24-HR	New Development	RP G33
646530	4078283	0.00956	147.22	0	24-HR	New Development	RP G34
646630	4078283	0.00871	151.56	0	24-HR	New Development	RP G35
646730	4078283	0.00775	156.78	0	24-HR	New Development	RP G36
646230	4077983	0.01035	139.18	0	24-HR	New Development	RP G4
646330	4077983	0.01112	140.76	0	24-HR	New Development	RP G5
646430	4077983	0.01179	143.89	0	24-HR	New Development	RP G6
646530	4077983	0.01229	145.22	0	24-HR	New Development	RP G7
646630	4077983	0.01256	147.21	0	24-HR	New Development	RP G8
646730	4077983	0.01253	148.3	0	24-HR	New Development	RP G9
648659	4077241	0.0346	205.79	0	24-HR	House 1	RP H1
648071	4076116	0.00349	169.6	0	24-HR	House 10	RP_H10
648247	4076278	0.00399	184.55	0	24-HR	House 11	RP H11
648027	4076255	0.00362	169.38	0	24-HR	House 12	RP_H12
648066	4076359	0.00374	173.83	0	24-HR	House 13	RP_H13

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.00397	178.22	0	24-HR	House 14	RP_H14
648255	4076411	0.00434	191.28	0	24-HR	House 15	RP_H15
647878	4076365	0.00345	165.39	0	24-HR	House 16	RP_H16
647520	4076206	0.003	159	0	24-HR	House 17	RP_H17
647921	4076247	0.00346	164	0	24-HR	House 18	RP_H18
647709	4076352	0.00324	163.52	0	24-HR	House 19	RP_H19
648372	4075470	0.00731	173.69	0	24-HR	House 2	RP_H2
647704	4076251	0.00319	162.17	0	24-HR	House 20	RP_H20
647719	4076104	0.00319	159.35	0	24-HR	House 21	RP_H21
647843	4076125	0.00333	163	0	24-HR	House 22	RP_H22
647842	4076500	0.00364	167.93	0	24-HR	House 23	RP_H23
647728	4076644	0.00442	164.15	0	24-HR	House 24	RP_H24
647824	4076644	0.00469	168.29	0	24-HR	House 25	RP_H25
647530	4076497	0.00329	159.56	0	24-HR	House 26	RP_H26
647810	4076854	0.01154	162.9	0	24-HR	House 27	RP_H27
647697	4076989	0.015	161.42	0	24-HR	House 28	RP_H28
648226	4076182	0.00381	183.22	0	24-HR	House 29	RP_H29
647678	4075969	0.00298	159.5	0	24-HR	House 3	RP_H3
645876	4077487	0.00575	127.13	0	24-HR	House 30	RP_H30
650902	4076062	0.02299	215.24	0	24-HR	House 31	RP_H31
651490	4076597	0.02104	205.5	0	24-HR	House 32	RP_H32
651565	4077067	0.01259	213.93	0	24-HR	House 33	RP_H33
648673	4075307	0.01039	225.91	0	24-HR	House 34	RP_H34
648384	4075469	0.00726	174.44	0	24-HR	House 35	RP_H35
646379	4077233	0.00633	146	0	24-HR	House 36	RP_H36
651850	4075865	0.01186	201.97	0	24-HR	House 37	RP_H37
652045	4076210	0.01899	196.88	0	24-HR	House 38	RP_H38
652256	4076391	0.01949	197.06	0	24-HR	House 39	RP_H39
647815	4075985	0.00306	162.04	0	24-HR	House 4	RP_H4
646854	4077373	0.0101	145.99	0	24-HR	House 40	RP_H40
647050	4077360	0.01148	145	0	24-HR	House 41	RP_H41
647286	4077474	0.01269	149.68	0	24-HR	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.01406	154.45	0	24-HR	House 43	RP H43
647490	4077329	0.01526	162.28	0	24-HR	House 44	RP H44
647522	4077252	0.01607	164.3	0	24-HR	House 45	RP H45
647518	4077139	0.01536	164.01	0	24-HR	House 46	RP H46
646819	4077258	0.00917	151.53	0	24-HR	House 47	RP H47
646779	4077128	0.00752	158.51	0	24-HR	House 48	RP H48
646987	4077213	0.01001	146.44	0	24-HR	House 49	RP_H49
647898	4076033	0.0032	163.83	0	24-HR	House 5	RP_H5
647242	4077227	0.01266	154.85	0	24-HR	House 50	RP_H50
646773	4077063	0.00666	159	0	24-HR	House 51	RP_H51
647104	4077118	0.00984	148.99	0	24-HR	House 52	RP_H52
647292	4077123	0.01198	158.62	0	24-HR	House 53	RP_H53
646765	4076978	0.00554	158.67	0	24-HR	House 54	RP_H54
646996	4076984	0.00682	152.34	0	24-HR	House 55	RP_H55
647317	4077031	0.0105	160.22	0	24-HR	House 56	RP_H56
647398	4077013	0.01105	161.26	0	24-HR	House 57	RP_H57
646979	4076904	0.00555	156.81	0	24-HR	House 58	RP_H58
647015	4076807	0.00449	156.21	0	24-HR	House 59	RP_H59
648045	4076018	0.00344	168.26	0	24-HR	House 6	RP_H6
647164	4076802	0.00494	154.38	0	24-HR	House 60	RP_H60
647311	4076940	0.00838	162.49	0	24-HR	House 61	RP_H61
647298	4076805	0.00554	158	0	24-HR	House 62	RP_H62
647447	4076900	0.00861	159.45	0	24-HR	House 63	RP_H63
647464	4076781	0.00592	159.32	0	24-HR	House 64	RP_H64
647512	4076536	0.00332	159	0	24-HR	House 65	RP_H65
651131	4078767	0.00164	179.58	0	24-HR	House 66	RP_H66
647131	4077336	0.01209	146.77	0	24-HR	House 67	RP_H67
646798	4076740	0.0034	156.07	0	24-HR	House 68	RP_H68
646900	4076802	0.00411	159	0	24-HR	House 69	RP_H69
648126	4075955	0.00385	171.51	0	24-HR	House 7	RP_H7
647317	4076662	0.0037	159.9	0	24-HR	House 70	RP_H70
648249	4075970	0.00416	183.42	0	24-HR	House 8	RP_H8

09/29/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 24-hr 2019

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.00371	182.28	0	24-HR	House 9	RP H9

09/30/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr 2020

08:27:03

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.06523	123.85	0	1-HR	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.05935	105.68	0	1-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	0.03346	85.12	0	1-HR	Dunne Park	CR_PK_1	
642179	4079950	0.06241	117.99	0	1-HR	Vista Park Hill Park	CR_PK_2	
644733	4078753	0.08244	106.44	0	1-HR	Las Brisas Park	CR_PK_3	
645609	4078854	0.0621	112.86	0	1-HR	Frank Klauer Memorial Park	CR_PK_4	
644238	4078807	0.06764	95.25	0	1-HR	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.04491	134.61	0	1-HR	Park 6	CR_PK_6	
649582	4073424	0.07337	159.96	0	1-HR	Park 7	CR_PK_7	
645145	4077181	0.06396	133	0	1-HR	Cerra Vista Elem School	CR_SC_1	
642905	4079955	0.06445	86	0	1-HR	San Andreas Continuation	CR_SC_10	
645851	4074015	0.06288	123	0	1-HR	SouthSide School	CR_SC_11	
642106	4078176	0.04721	91	0	1-HR	School 12	CR_SC_12	
646059	4078443	0.08629	128.52	0	1-HR	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.04735	158	0	1-HR	Future School	CR_SC_14	School 2
648466	4074106	0.04473	159	0	1-HR	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.03835	98.2	0	1-HR	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.04643	101.23	0	1-HR	Hollister Montessori School	CR_SC_3	
642961	4078621	0.03779	92	0	1-HR	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.05345	88	0	1-HR	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.03383	85	0	1-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.0332	98.22	0	1-HR	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.04733	87	0	1-HR	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.04574	90.17	0	1-HR	San Benito High School	CR_SC_9	
642083	4079794	0.05245	87.58	0	1-HR	Jovenes De Antano	CR_SR_1	
646402	4076879	0.07248	146.33	0	1-HR	Workplace	CR_WP_1	
648949	4077938	0.07455	189.45	0	1-HR	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.1122	155.2	0	1-HR	Grid Receptor 1	G1	
647744	4075573	0.05874	160	0	1-HR	Grid Receptor 10	G10	
651344	4075573	0.21575	252.9	0	1-HR	Grid Receptor 100	G100	
648144	4079173	0.10637	165.9	0	1-HR	Grid Receptor 11	G11	
648144	4078773	0.12784	159.6	0	1-HR	Grid Receptor 12	G12	

09/30/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr 2020

08:27:03

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.11565	146.2	0	1-HR	Grid Receptor 13	G13
648144	4077973	0.07403	158.3	0	1-HR	Grid Receptor 14	G14
648144	4077573	0.08315	166.6	0	1-HR	Grid Receptor 15	G15
648144	4077173	0.11144	175.4	0	1-HR	Grid Receptor 16	G16
648144	4076773	0.13788	177.1	0	1-HR	Grid Receptor 17	G17
648144	4076373	0.07325	178	0	1-HR	Grid Receptor 18	G18
648144	4075973	0.06471	173	0	1-HR	Grid Receptor 19	G19
647744	4078773	0.09738	145.4	0	1-HR	Grid Receptor 2	G2
648144	4075573	0.12803	168.8	0	1-HR	Grid Receptor 20	G20
648544	4079173	0.06059	173.5	0	1-HR	Grid Receptor 21	G21
648544	4078773	0.06997	166.2	0	1-HR	Grid Receptor 22	G22
648544	4078373	0.10469	145.4	0	1-HR	Grid Receptor 23	G23
648544	4077973	0.14176	173.9	0	1-HR	Grid Receptor 24	G24
648544	4077573	0.10178	179.6	0	1-HR	Grid Receptor 25	G25
648544	4077173	0.13551	191	0	1-HR	Grid Receptor 26	G26
648544	4076773	0.14756	209.2	0	1-HR	Grid Receptor 27	G27
648544	4076373	0.08863	233.7	0	1-HR	Grid Receptor 28	G28
648544	4075973	0.10775	199.9	0	1-HR	Grid Receptor 29	G29
647744	4078373	0.0607	144.4	0	1-HR	Grid Receptor 3	G3
648544	4075573	0.16554	195.5	0	1-HR	Grid Receptor 30	G30
648944	4079173	0.1134	190.4	0	1-HR	Grid Receptor 31	G31
648944	4078773	0.10173	165.4	0	1-HR	Grid Receptor 32	G32
648944	4078373	0.08745	159.6	0	1-HR	Grid Receptor 33	G33
648944	4077973	0.06905	183.5	0	1-HR	Grid Receptor 34	G34
648944	4077573	0.12231	224	0	1-HR	Grid Receptor 35	G35
648944	4076373	0.11671	205	0	1-HR	Grid Receptor 38	G38
648944	4075973	0.2529	208.8	0	1-HR	Grid Receptor 39	G39
647744	4077973	0.05893	134.6	0	1-HR	Grid Receptor 4	G4
648944	4075573	0.04653	185.6	0	1-HR	Grid Receptor 40	G40
649344	4079173	0.06778	187.4	0	1-HR	Grid Receptor 41	G41
649344	4078773	0.06341	160.9	0	1-HR	Grid Receptor 42	G42
649344	4078373	0.07221	200.5	0	1-HR	Grid Receptor 43	G43

09/30/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr 2020

08:27:03

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

* PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

* FOR A TOTAL OF 289 RECEPTORS.

* FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.07952	229	0	1-HR	Grid Receptor 44	G44
649344	4077573	0.44928	253.3	0	1-HR	Grid Receptor 45	G45
649344	4076373	0.41292	220.2	0	1-HR	Grid Receptor 48	G48
649344	4075973	0.13505	227.2	0	1-HR	Grid Receptor 49	G49
647744	4077573	0.09005	163.8	0	1-HR	Grid Receptor 5	G5
649344	4075573	0.09531	205.5	0	1-HR	Grid Receptor 50	G50
649744	4079173	0.0734	176.1	0	1-HR	Grid Receptor 51	G51
649744	4078773	0.08365	195	0	1-HR	Grid Receptor 52	G52
649744	4078373	0.08371	196.1	0	1-HR	Grid Receptor 53	G53
649744	4077973	0.07488	215.3	0	1-HR	Grid Receptor 54	G54
649744	4077573	0.05017	221.6	0	1-HR	Grid Receptor 55	G55
649744	4076373	0.2844	211.7	0	1-HR	Grid Receptor 58	G58
649744	4075973	0.1828	237.7	0	1-HR	Grid Receptor 59	G59
647744	4077173	0.09213	158.4	0	1-HR	Grid Receptor 6	G6
649744	4075573	0.12557	204.2	0	1-HR	Grid Receptor 60	G60
650144	4079173	0.08462	173	0	1-HR	Grid Receptor 61	G61
650144	4078773	0.06525	171	0	1-HR	Grid Receptor 62	G62
650144	4078373	0.05813	204.6	0	1-HR	Grid Receptor 63	G63
650144	4077973	0.03611	216.5	0	1-HR	Grid Receptor 64	G64
650144	4077573	0.45053	257.7	0	1-HR	Grid Receptor 65	G65
650144	4076373	0.17127	231.4	0	1-HR	Grid Receptor 68	G68
650144	4075973	0.30494	249.4	0	1-HR	Grid Receptor 69	G69
647744	4076773	0.11792	164.7	0	1-HR	Grid Receptor 7	G7
650144	4075573	0.11172	216.4	0	1-HR	Grid Receptor 70	G70
650544	4079173	0.04923	177	0	1-HR	Grid Receptor 71	G71
650544	4078773	0.03051	180.9	0	1-HR	Grid Receptor 72	G72
650544	4078373	0.03565	196.6	0	1-HR	Grid Receptor 73	G73
650544	4077973	0.04138	236.9	0	1-HR	Grid Receptor 74	G74
650544	4077573	0.39121	261.3	0	1-HR	Grid Receptor 75	G75
650544	4076373	0.58305	260.9	0	1-HR	Grid Receptor 78	G78
650544	4075973	0.13478	226.7	0	1-HR	Grid Receptor 79	G79
647744	4076373	0.06128	164	0	1-HR	Grid Receptor 8	G8

09/30/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr 2020

08:27:03

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

		.,5(174,1 15.5),5(174,1 0.2),5						
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
650544	4075573	0.62096	268.2	0	1-HR	Grid Receptor 80	G80	
650944	4079173	0.02861	181.3	0	1-HR	Grid Receptor 81	G81	
650944	4078773	0.03279	178.4	0	1-HR	Grid Receptor 82	G82	
650944	4078373	0.03599	214.8	0	1-HR	Grid Receptor 83	G83	
650944	4077973	0.17762	249.9	0	1-HR	Grid Receptor 84	G84	
650944	4077573	0.68859	276.5	0	1-HR	Grid Receptor 85	G85	PMI
650944	4077173	0.08459	225.6	0	1-HR	Grid Receptor 86	G86	
650944	4076773	0.09036	219.8	0	1-HR	Grid Receptor 87	G87	
650944	4076373	0.09155	209.2	0	1-HR	Grid Receptor 88	G88	
650944	4075973	0.11494	216.6	0	1-HR	Grid Receptor 89	G89	
647744	4075973	0.06012	160.7	0	1-HR	Grid Receptor 9	G9	
650944	4075573	0.16701	243.2	0	1-HR	Grid Receptor 90	G90	
651344	4079173	0.03101	191	0	1-HR	Grid Receptor 91	G91	
651344	4078773	0.03395	181	0	1-HR	Grid Receptor 92	G92	
651344	4078373	0.073	214.3	0	1-HR	Grid Receptor 93	G93	
651344	4077973	0.15468	248.4	0	1-HR	Grid Receptor 94	G94	
651344	4077573	0.06982	213.2	0	1-HR	Grid Receptor 95	G95	
651344	4077173	0.07019	213.6	0	1-HR	Grid Receptor 96	G96	
651344	4076773	0.06869	203.5	0	1-HR	Grid Receptor 97	G97	
651344	4076373	0.06932	205.6	0	1-HR	Grid Receptor 98	G98	
651344	4075973	0.10706	205.8	0	1-HR	Grid Receptor 99	G99	
648584	4077523	0.10934	183.61	0	1-HR	Boundary Perimeter 1	P1	
649484	4077537	0.47899	254.01	0	1-HR	Boundary Perimeter 10	P10	
649584	4077539	0.06487	235.3	0	1-HR	Boundary Perimeter 11	P11	
649684	4077540	0.05222	221.29	0	1-HR	Boundary Perimeter 12	P12	
649784	4077541	0.04778	222.37	0	1-HR	Boundary Perimeter 13	P13	
649884	4077542	0.04239	233.6	0	1-HR	Boundary Perimeter 14	P14	
649984	4077543	0.28122	249.54	0	1-HR	Boundary Perimeter 15	P15	
650084	4077546	0.51551	258.89	0	1-HR	Boundary Perimeter 16	P16	
650184	4077548	0.50731	259.56	0	1-HR	Boundary Perimeter 17	P17	
650284	4077550	0.44277	256.77	0	1-HR	Boundary Perimeter 18	P18	
650384	4077552	0.11841	242.37	0	1-HR	Boundary Perimeter 19	P19	

09/30/21

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08:27:03

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.13443	197.16	0	1-HR	Boundary Perimeter 2	P2
650484	4077554	0.10983	242.23	0	1-HR	Boundary Perimeter 20	P20
650584	4077557	0.30859	259.71	0	1-HR	Boundary Perimeter 21	P21
650684	4077559	0.3271	257.58	0	1-HR	Boundary Perimeter 22	P22
650777	4077554	0.64501	267.9	0	1-HR	Boundary Perimeter 23	P23
650779	4077454	0.62417	275.91	0	1-HR	Boundary Perimeter 24	P24
650781	4077354	0.5338	265.73	0	1-HR	Boundary Perimeter 25	P25
650783	4077254	0.25467	251.08	0	1-HR	Boundary Perimeter 26	P26
650785	4077154	0.29134	252.83	0	1-HR	Boundary Perimeter 27	P27
650787	4077054	0.15673	246.1	0	1-HR	Boundary Perimeter 28	P28
650789	4076954	0.10115	241.37	0	1-HR	Boundary Perimeter 29	P29
648784	4077527	0.1537	209.74	0	1-HR	Boundary Perimeter 3	Р3
650791	4076854	0.17515	246.79	0	1-HR	Boundary Perimeter 30	P30
650794	4076754	0.09841	228.75	0	1-HR	Boundary Perimeter 31	P31
650754	4076683	0.10752	217.76	0	1-HR	Boundary Perimeter 32	P32
650660	4076650	0.11247	221.2	0	1-HR	Boundary Perimeter 33	P33
650561	4076650	0.12036	220.83	0	1-HR	Boundary Perimeter 34	P34
650463	4076666	0.13628	223.42	0	1-HR	Boundary Perimeter 35	P35
650364	4076682	0.14936	222.46	0	1-HR	Boundary Perimeter 36	P36
650264	4076683	0.16151	223.19	0	1-HR	Boundary Perimeter 37	P37
650165	4076674	0.17666	222.1	0	1-HR	Boundary Perimeter 38	P38
650066	4076660	0.19598	217.03	0	1-HR	Boundary Perimeter 39	P39
648884	4077529	0.14468	214.25	0	1-HR	Boundary Perimeter 4	P4
649980	4076627	0.22048	214.82	0	1-HR	Boundary Perimeter 40	P40
649920	4076547	0.24752	214.91	0	1-HR	Boundary Perimeter 41	P41
649852	4076474	0.24195	214.09	0	1-HR	Boundary Perimeter 42	P42
649771	4076417	0.25533	211.53	0	1-HR	Boundary Perimeter 43	P43
649680	4076375	0.37051	210.17	0	1-HR	Boundary Perimeter 44	P44
649581	4076368	0.27353	208.52	0	1-HR	Boundary Perimeter 45	P45
649482	4076384	0.31448	207.5	0	1-HR	Boundary Perimeter 46	P46
649392	4076425	0.37192	205.17	0	1-HR	Boundary Perimeter 47	P47
649304	4076472	0.20151	202.16	0	1-HR	Boundary Perimeter 48	P48

09/30/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr 2020

08:27:03

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.12849	196.38	0	1-HR	Boundary Perimeter 49	P49
648984	4077530	0.14432	221.41	0	1-HR	Boundary Perimeter 5	P5
649156	4076605	0.25173	195.87	0	1-HR	Boundary Perimeter 50	P50
649068	4076653	0.25432	196.32	0	1-HR	Boundary Perimeter 51	P51
648987	4076711	0.22844	192.42	0	1-HR	Boundary Perimeter 52	P52
648937	4076759	0.1971	192.46	0	1-HR	Boundary Perimeter 53	P53
648869	4076833	0.21488	191.63	0	1-HR	Boundary Perimeter 54	P54
648797	4076902	0.21266	186.32	0	1-HR	Boundary Perimeter 55	P55
648711	4076952	0.17318	179.81	0	1-HR	Boundary Perimeter 56	P56
648621	4076996	0.1355	176.23	0	1-HR	Boundary Perimeter 57	P57
648607	4077051	0.15281	175.02	0	1-HR	Boundary Perimeter 58	P58
648680	4077119	0.15626	180.62	0	1-HR	Boundary Perimeter 59	P59
649084	4077532	0.13565	216.54	0	1-HR	Boundary Perimeter 6	P6
648759	4077180	0.14733	183.47	0	1-HR	Boundary Perimeter 60	P60
648791	4077262	0.17045	202.88	0	1-HR	Boundary Perimeter 61	P61
648788	4077362	0.12817	178.21	0	1-HR	Boundary Perimeter 62	P62
648691	4077361	0.13216	176.25	0	1-HR	Boundary Perimeter 63	P63
648591	4077357	0.12041	176	0	1-HR	Boundary Perimeter 64	P64
648526	4077371	0.11608	175.24	0	1-HR	Boundary Perimeter 65	P65
648587	4077430	0.1139	175.13	0	1-HR	Boundary Perimeter 66	P66
649184	4077534	0.08391	230.71	0	1-HR	Boundary Perimeter 7	P7
649284	4077535	0.25004	248.08	0	1-HR	Boundary Perimeter 8	P8
649384	4077536	0.6757	258.43	0	1-HR	Boundary Perimeter 9	P9
645930	4077983	0.08238	127.38	0	1-HR	New Development	RP_G1
645930	4078083	0.09333	127.58	0	1-HR	New Development	RP_G10
646030	4078083	0.09877	130.56	0	1-HR	New Development	RP_G11
646130	4078083	0.10342	134.35	0	1-HR	New Development	RP_G12
646230	4078083	0.10708	139.22	0	1-HR	New Development	RP_G13
646330	4078083	0.10938	144.65	0	1-HR	New Development	RP_G14
646430	4078083	0.10794	142.28	0	1-HR	New Development	RP_G15
646530	4078083	0.10609	146.76	0	1-HR	New Development	RP_G16
646630	4078083	0.10194	150.64	0	1-HR	New Development	RP_G17

09/30/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr 2020

08:27:03

- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.09584	155.4	0	1-HR	New Development	RP_G18
645930	4078183	0.09968	127.22	0	1-HR	New Development	RP_G19
646030	4077983	0.08956	131.21	0	1-HR	New Development	RP_G2
646030	4078183	0.10278	130.56	0	1-HR	New Development	RP_G20
646130	4078183	0.10453	133.89	0	1-HR	New Development	RP_G21
646230	4078183	0.1054	140.45	0	1-HR	New Development	RP_G22
646330	4078183	0.10454	146.94	0	1-HR	New Development	RP_G23
646430	4078183	0.09874	140.23	0	1-HR	New Development	RP_G24
646530	4078183	0.09411	147.25	0	1-HR	New Development	RP_G25
646630	4078183	0.0871	151.56	0	1-HR	New Development	RP_G26
646730	4078183	0.0789	157.78	0	1-HR	New Development	RP_G27
645930	4078283	0.10057	126.06	0	1-HR	New Development	RP_G28
646030	4078283	0.10091	129.56	0	1-HR	New Development	RP_G29
646130	4077983	0.09652	135.89	0	1-HR	New Development	RP_G3
646130	4078283	0.09966	132.89	0	1-HR	New Development	RP_G30
646230	4078283	0.09737	139.24	0	1-HR	New Development	RP_G31
646330	4078283	0.09279	142.68	0	1-HR	New Development	RP_G32
646430	4078283	0.08542	140.02	0	1-HR	New Development	RP_G33
646530	4078283	0.07849	147.22	0	1-HR	New Development	RP_G34
646630	4078283	0.07606	151.56	0	1-HR	New Development	RP_G35
646730	4078283	0.07856	156.78	0	1-HR	New Development	RP_G36
646230	4077983	0.10255	139.18	0	1-HR	New Development	RP_G4
646330	4077983	0.10712	140.76	0	1-HR	New Development	RP_G5
646430	4077983	0.11059	143.89	0	1-HR	New Development	RP_G6
646530	4077983	0.11181	145.22	0	1-HR	New Development	RP_G7
646630	4077983	0.11106	147.21	0	1-HR	New Development	RP_G8
646730	4077983	0.10771	148.3	0	1-HR	New Development	RP_G9
648659	4077241	0.16669	205.79	0	1-HR	House 1	RP_H1
648071	4076116	0.06882	169.6	0	1-HR	House 10	RP_H10
648247	4076278	0.07803	184.55	0	1-HR	House 11	RP_H11
648027	4076255	0.07219	169.38	0	1-HR	House 12	RP_H12
648066	4076359	0.07135	173.83	0	1-HR	House 13	RP_H13

09/30/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
648139	4076400	0.07172	178.22	0	1-HR	House 14	RP_H14	
648255	4076411	0.07596	191.28	0	1-HR	House 15	RP_H15	
647878	4076365	0.06518	165.39	0	1-HR	House 16	RP_H16	
647520	4076206	0.06107	159	0	1-HR	House 17	RP_H17	
647921	4076247	0.06943	164	0	1-HR	House 18	RP_H18	
647709	4076352	0.0614	163.52	0	1-HR	House 19	RP_H19	
648372	4075470	0.17081	173.69	0	1-HR	House 2	RP_H2	MEIR
647704	4076251	0.06451	162.17	0	1-HR	House 20	RP_H20	
647719	4076104	0.06447	159.35	0	1-HR	House 21	RP_H21	
647843	4076125	0.0669	163	0	1-HR	House 22	RP_H22	
647842	4076500	0.05556	167.93	0	1-HR	House 23	RP_H23	
647728	4076644	0.08381	164.15	0	1-HR	House 24	RP_H24	
647824	4076644	0.08865	168.29	0	1-HR	House 25	RP_H25	
647530	4076497	0.04924	159.56	0	1-HR	House 26	RP_H26	
647810	4076854	0.13124	162.9	0	1-HR	House 27	RP_H27	
647697	4076989	0.12595	161.42	0	1-HR	House 28	RP_H28	
648226	4076182	0.07428	183.22	0	1-HR	House 29	RP_H29	
647678	4075969	0.05972	159.5	0	1-HR	House 3	RP_H3	
645876	4077487	0.07995	127.13	0	1-HR	House 30	RP_H30	
650902	4076062	0.11531	215.24	0	1-HR	House 31	RP_H31	
651490	4076597	0.06495	205.5	0	1-HR	House 32	RP_H32	
651565	4077067	0.06529	213.93	0	1-HR	House 33	RP_H33	
648673	4075307	0.08083	225.91	0	1-HR	House 34	RP_H34	
648384	4075469	0.16967	174.44	0	1-HR	House 35	RP_H35	
646379	4077233	0.09589	146	0	1-HR	House 36	RP_H36	
651850	4075865	0.09541	201.97	0	1-HR	House 37	RP_H37	
652045	4076210	0.0575	196.88	0	1-HR	House 38	RP_H38	
652256	4076391	0.04425	197.06	0	1-HR	House 39	RP_H39	
647815	4075985	0.06087	162.04	0	1-HR	House 4	RP_H4	1
646854	4077373	0.08499	145.99	0	1-HR	House 40	RP_H40	1
647050	4077360	0.08109	145	0	1-HR	House 41	RP_H41	1
647286	4077474	0.1127	149.68	0	1-HR	House 42	RP_H42	

09/30/21

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08:27:03

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.09478	154.45	0	1-HR	House 43	RP_H43
647490	4077329	0.10679	162.28	0	1-HR	House 44	RP_H44
647522	4077252	0.09168	164.3	0	1-HR	House 45	RP_H45
647518	4077139	0.10782	164.01	0	1-HR	House 46	RP_H46
646819	4077258	0.09979	151.53	0	1-HR	House 47	RP_H47
646779	4077128	0.1072	158.51	0	1-HR	House 48	RP_H48
646987	4077213	0.10224	146.44	0	1-HR	House 49	RP_H49
647898	4076033	0.06359	163.83	0	1-HR	House 5	RP_H5
647242	4077227	0.09876	154.85	0	1-HR	House 50	RP_H50
646773	4077063	0.10592	159	0	1-HR	House 51	RP_H51
647104	4077118	0.11042	148.99	0	1-HR	House 52	RP_H52
647292	4077123	0.11306	158.62	0	1-HR	House 53	RP_H53
646765	4076978	0.09976	158.67	0	1-HR	House 54	RP_H54
646996	4076984	0.10739	152.34	0	1-HR	House 55	RP_H55
647317	4077031	0.1202	160.22	0	1-HR	House 56	RP_H56
647398	4077013	0.12249	161.26	0	1-HR	House 57	RP_H57
646979	4076904	0.0999	156.81	0	1-HR	House 58	RP_H58
647015	4076807	0.08694	156.21	0	1-HR	House 59	RP_H59
648045	4076018	0.06225	168.26	0	1-HR	House 6	RP_H6
647164	4076802	0.09226	154.38	0	1-HR	House 60	RP_H60
647311	4076940	0.11908	162.49	0	1-HR	House 61	RP_H61
647298	4076805	0.09991	158	0	1-HR	House 62	RP_H62
647447	4076900	0.12039	159.45	0	1-HR	House 63	RP_H63
647464	4076781	0.1038	159.32	0	1-HR	House 64	RP_H64
647512	4076536	0.0482	159	0	1-HR	House 65	RP_H65
651131	4078767	0.0328	179.58	0	1-HR	House 66	RP_H66
647131	4077336	0.08241	146.77	0	1-HR	House 67	RP_H67
646798	4076740	0.06707	156.07	0	1-HR	House 68	RP_H68
646900	4076802	0.08184	159	0	1-HR	House 69	RP_H69
648126	4075955	0.06477	171.51	0	1-HR	House 7	RP_H7
647317	4076662	0.07124	159.9	0	1-HR	House 70	RP_H70
648249	4075970	0.07089	183.42	0	1-HR	House 8	RP_H8

09/30/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 1-hr 2020

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.06909	182.28	0	1-HR	House 9	RP_H9

09/29/21

* AERMET (21112): Future Flare (Grnd Lvl) SO2 1-yr 2020

13:27:06

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.00071	123.85	0	ANNUAL	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.00019	105.68	0	ANNUAL	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	0.00026	85.12	0	ANNUAL	Dunne Park	CR_PK_1	
642179	4079950	0.00034	117.99	0	ANNUAL	Vista Park Hill Park	CR_PK_2	
644733	4078753	0.00041	106.44	0	ANNUAL	Las Brisas Park	CR_PK_3	
645609	4078854	0.00065	112.86	0	ANNUAL	Frank Klauer Memorial Park	CR_PK_4	
644238	4078807	0.00035	95.25	0	ANNUAL	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.00016	134.61	0	ANNUAL	Park 6	CR_PK_6	
649582	4073424	0.00072	159.96	0	ANNUAL	Park 7	CR_PK_7	
645145	4077181	0.00019	133	0	ANNUAL	Cerra Vista Elem School	CR_SC_1	
642905	4079955	0.00043	86	0	ANNUAL	San Andreas Continuation	CR_SC_10	
645851	4074015	0.00012	123	0	ANNUAL	SouthSide School	CR_SC_11	
642106	4078176	0.00018	91	0	ANNUAL	School 12	CR_SC_12	
646059	4078443	0.00062	128.52	0	ANNUAL	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.00017	158	0	ANNUAL	Future School	CR_SC_14	School 2
648466	4074106	0.00022	159	0	ANNUAL	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.00027	98.2	0	ANNUAL	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.00018	101.23	0	ANNUAL	Hollister Montessori School	CR_SC_3	
642961	4078621	0.00023	92	0	ANNUAL	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.00054	88	0	ANNUAL	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.00023	85	0	ANNUAL	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.00017	98.22	0	ANNUAL	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.00061	87	0	ANNUAL	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.00019	90.17	0	ANNUAL	San Benito High School	CR_SC_9	
642083	4079794	0.0003	87.58	0	ANNUAL	Jovenes De Antano	CR_SR_1	
646402	4076879	0.00021	146.33	0	ANNUAL	Workplace	CR_WP_1	
648949	4077938	0.00069	189.45	0	ANNUAL	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.00106	155.2	0	ANNUAL	Grid Receptor 1	G1	
647744	4075573	0.00021	160	0	ANNUAL	Grid Receptor 10	G10	
651344	4075573	0.00393	252.9	0	ANNUAL	Grid Receptor 100	G100	
648144	4079173	0.00069	165.9	0	ANNUAL	Grid Receptor 11	G11	
648144	4078773	0.00095	159.6	0	ANNUAL	Grid Receptor 12	G12	

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.00136	146.2	0	ANNUAL	Grid Receptor 13	G13
648144	4077973	0.0018	158.3	0	ANNUAL	Grid Receptor 14	G14
648144	4077573	0.00173	166.6	0	ANNUAL	Grid Receptor 15	G15
648144	4077173	0.001	175.4	0	ANNUAL	Grid Receptor 16	G16
648144	4076773	0.00049	177.1	0	ANNUAL	Grid Receptor 17	G17
648144	4076373	0.00033	178	0	ANNUAL	Grid Receptor 18	G18
648144	4075973	0.00028	173	0	ANNUAL	Grid Receptor 19	G19
647744	4078773	0.00134	145.4	0	ANNUAL	Grid Receptor 2	G2
648144	4075573	0.00026	168.8	0	ANNUAL	Grid Receptor 20	G20
648544	4079173	0.00044	173.5	0	ANNUAL	Grid Receptor 21	G21
648544	4078773	0.00056	166.2	0	ANNUAL	Grid Receptor 22	G22
648544	4078373	0.00077	145.4	0	ANNUAL	Grid Receptor 23	G23
648544	4077973	0.00134	173.9	0	ANNUAL	Grid Receptor 24	G24
648544	4077573	0.00239	179.6	0	ANNUAL	Grid Receptor 25	G25
648544	4077173	0.00255	191	0	ANNUAL	Grid Receptor 26	G26
648544	4076773	0.00106	209.2	0	ANNUAL	Grid Receptor 27	G27
648544	4076373	0.00071	233.7	0	ANNUAL	Grid Receptor 28	G28
648544	4075973	0.00046	199.9	0	ANNUAL	Grid Receptor 29	G29
647744	4078373	0.00154	144.4	0	ANNUAL	Grid Receptor 3	G3
648544	4075573	0.00035	195.5	0	ANNUAL	Grid Receptor 30	G30
648944	4079173	0.00029	190.4	0	ANNUAL	Grid Receptor 31	G31
648944	4078773	0.00034	165.4	0	ANNUAL	Grid Receptor 32	G32
648944	4078373	0.00044	159.6	0	ANNUAL	Grid Receptor 33	G33
648944	4077973	0.00066	183.5	0	ANNUAL	Grid Receptor 34	G34
648944	4077573	0.00131	224	0	ANNUAL	Grid Receptor 35	G35
648944	4076373	0.00136	205	0	ANNUAL	Grid Receptor 38	G38
648944	4075973	0.0008	208.8	0	ANNUAL	Grid Receptor 39	G39
647744	4077973	0.00143	134.6	0	ANNUAL	Grid Receptor 4	G4
648944	4075573	0.00047	185.6	0	ANNUAL	Grid Receptor 40	G40
649344	4079173	0.00022	187.4	0	ANNUAL	Grid Receptor 41	G41
649344	4078773	0.00024	160.9	0	ANNUAL	Grid Receptor 42	G42
649344	4078373	0.0003	200.5	0	ANNUAL	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00043	229	0	ANNUAL	Grid Receptor 44	G44
649344	4077573	0.0023	253.3	0	ANNUAL	Grid Receptor 45	G45
649344	4076373	0.01236	220.2	0	ANNUAL	Grid Receptor 48	G48
649344	4075973	0.00233	227.2	0	ANNUAL	Grid Receptor 49	G49
647744	4077573	0.00099	163.8	0	ANNUAL	Grid Receptor 5	G5
649344	4075573	0.00106	205.5	0	ANNUAL	Grid Receptor 50	G50
649744	4079173	0.0002	176.1	0	ANNUAL	Grid Receptor 51	G51
649744	4078773	0.00022	195	0	ANNUAL	Grid Receptor 52	G52
649744	4078373	0.00025	196.1	0	ANNUAL	Grid Receptor 53	G53
649744	4077973	0.0003	215.3	0	ANNUAL	Grid Receptor 54	G54
649744	4077573	0.00039	221.6	0	ANNUAL	Grid Receptor 55	G55
649744	4076373	0.01559	211.7	0	ANNUAL	Grid Receptor 58	G58
649744	4075973	0.01267	237.7	0	ANNUAL	Grid Receptor 59	G59
647744	4077173	0.00056	158.4	0	ANNUAL	Grid Receptor 6	G6
649744	4075573	0.00303	204.2	0	ANNUAL	Grid Receptor 60	G60
650144	4079173	0.00018	173	0	ANNUAL	Grid Receptor 61	G61
650144	4078773	0.00019	171	0	ANNUAL	Grid Receptor 62	G62
650144	4078373	0.00021	204.6	0	ANNUAL	Grid Receptor 63	G63
650144	4077973	0.00024	216.5	0	ANNUAL	Grid Receptor 64	G64
650144	4077573	0.00125	257.7	0	ANNUAL	Grid Receptor 65	G65
650144	4076373	0.0051	231.4	0	ANNUAL	Grid Receptor 68	G68
650144	4075973	0.01128	249.4	0	ANNUAL	Grid Receptor 69	G69
647744	4076773	0.00033	164.7	0	ANNUAL	Grid Receptor 7	G7
650144	4075573	0.00539	216.4	0	ANNUAL	Grid Receptor 70	G70
650544	4079173	0.00016	177	0	ANNUAL	Grid Receptor 71	G71
650544	4078773	0.00016	180.9	0	ANNUAL	Grid Receptor 72	G72
650544	4078373	0.00017	196.6	0	ANNUAL	Grid Receptor 73	G73
650544	4077973	0.00029	236.9	0	ANNUAL	Grid Receptor 74	G74
650544	4077573	0.00099	261.3	0	ANNUAL	Grid Receptor 75	G75
650544	4076373	0.00675	260.9	0	ANNUAL	Grid Receptor 78	G78
650544	4075973	0.00412	226.7	0	ANNUAL	Grid Receptor 79	G79
647744	4076373	0.00025	164	0	ANNUAL	Grid Receptor 8	G8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.01034	268.2	0	ANNUAL	Grid Receptor 80	G80
650944	4079173	0.00013	181.3	0	ANNUAL	Grid Receptor 81	G81
650944	4078773	0.00014	178.4	0	ANNUAL	Grid Receptor 82	G82
650944	4078373	0.00017	214.8	0	ANNUAL	Grid Receptor 83	G83
650944	4077973	0.00056	249.9	0	ANNUAL	Grid Receptor 84	G84
650944	4077573	0.00096	276.5	0	ANNUAL	Grid Receptor 85	G85
650944	4077173	0.00058	225.6	0	ANNUAL	Grid Receptor 86	G86
650944	4076773	0.00106	219.8	0	ANNUAL	Grid Receptor 87	G87
650944	4076373	0.0019	209.2	0	ANNUAL	Grid Receptor 88	G88
650944	4075973	0.00262	216.6	0	ANNUAL	Grid Receptor 89	G89
647744	4075973	0.00021	160.7	0	ANNUAL	Grid Receptor 9	G9
650944	4075573	0.00429	243.2	0	ANNUAL	Grid Receptor 90	G90
651344	4079173	0.00012	191	0	ANNUAL	Grid Receptor 91	G91
651344	4078773	0.00014	181	0	ANNUAL	Grid Receptor 92	G92
651344	4078373	0.0002	214.3	0	ANNUAL	Grid Receptor 93	G93
651344	4077973	0.00038	248.4	0	ANNUAL	Grid Receptor 94	G94
651344	4077573	0.00038	213.2	0	ANNUAL	Grid Receptor 95	G95
651344	4077173	0.00059	213.6	0	ANNUAL	Grid Receptor 96	G96
651344	4076773	0.00094	203.5	0	ANNUAL	Grid Receptor 97	G97
651344	4076373	0.0015	205.6	0	ANNUAL	Grid Receptor 98	G98
651344	4075973	0.00194	205.8	0	ANNUAL	Grid Receptor 99	G99
648584	4077523	0.00252	183.61	0	ANNUAL	Boundary Perimeter 1	P1
649484	4077537	0.00174	254.01	0	ANNUAL	Boundary Perimeter 10	P10
649584	4077539	0.00053	235.3	0	ANNUAL	Boundary Perimeter 11	P11
649684	4077540	0.00042	221.29	0	ANNUAL	Boundary Perimeter 12	P12
649784	4077541	0.00039	222.37	0	ANNUAL	Boundary Perimeter 13	P13
649884	4077542	0.00043	233.6	0	ANNUAL	Boundary Perimeter 14	P14
649984	4077543	0.00103	249.54	0	ANNUAL	Boundary Perimeter 15	P15
650084	4077546	0.0015	258.89	0	ANNUAL	Boundary Perimeter 16	P16
650184	4077548	0.00125	259.56	0	ANNUAL	Boundary Perimeter 17	P17
650284	4077550	0.0011	256.77	0	ANNUAL	Boundary Perimeter 18	P18
650384	4077552	0.00051	242.37	0	ANNUAL	Boundary Perimeter 19	P19

09/29/21

* AERMET (21112): Future Flare (Grnd Lvl) SO2 1-yr 2020

13:27:06

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.00241	197.16	0	ANNUAL	Boundary Perimeter 2	P2
650484	4077554	0.00048	242.23	0	ANNUAL	Boundary Perimeter 20	P20
650584	4077557	0.00084	259.71	0	ANNUAL	Boundary Perimeter 21	P21
650684	4077559	0.0007	257.58	0	ANNUAL	Boundary Perimeter 22	P22
650777	4077554	0.00089	267.9	0	ANNUAL	Boundary Perimeter 23	P23
650779	4077454	0.00107	275.91	0	ANNUAL	Boundary Perimeter 24	P24
650781	4077354	0.00133	265.73	0	ANNUAL	Boundary Perimeter 25	P25
650783	4077254	0.00104	251.08	0	ANNUAL	Boundary Perimeter 26	P26
650785	4077154	0.00132	252.83	0	ANNUAL	Boundary Perimeter 27	P27
650787	4077054	0.0012	246.1	0	ANNUAL	Boundary Perimeter 28	P28
650789	4076954	0.00122	241.37	0	ANNUAL	Boundary Perimeter 29	P29
648784	4077527	0.00213	209.74	0	ANNUAL	Boundary Perimeter 3	P3
650791	4076854	0.00181	246.79	0	ANNUAL	Boundary Perimeter 30	P30
650794	4076754	0.00122	228.75	0	ANNUAL	Boundary Perimeter 31	P31
650754	4076683	0.00133	217.76	0	ANNUAL	Boundary Perimeter 32	P32
650660	4076650	0.00149	221.2	0	ANNUAL	Boundary Perimeter 33	P33
650561	4076650	0.00156	220.83	0	ANNUAL	Boundary Perimeter 34	P34
650463	4076666	0.00159	223.42	0	ANNUAL	Boundary Perimeter 35	P35
650364	4076682	0.00158	222.46	0	ANNUAL	Boundary Perimeter 36	P36
650264	4076683	0.00166	223.19	0	ANNUAL	Boundary Perimeter 37	P37
650165	4076674	0.0018	222.1	0	ANNUAL	Boundary Perimeter 38	P38
650066	4076660	0.00201	217.03	0	ANNUAL	Boundary Perimeter 39	P39
648884	4077529	0.00163	214.25	0	ANNUAL	Boundary Perimeter 4	P4
649980	4076627	0.00254	214.82	0	ANNUAL	Boundary Perimeter 40	P40
649920	4076547	0.00417	214.91	0	ANNUAL	Boundary Perimeter 41	P41
649852	4076474	0.00697	214.09	0	ANNUAL	Boundary Perimeter 42	P42
649771	4076417	0.01197	211.53	0	ANNUAL	Boundary Perimeter 43	P43
649680	4076375	0.01993	210.17	0	ANNUAL	Boundary Perimeter 44	P44
649581	4076368	0.02906	208.52	0	ANNUAL	Boundary Perimeter 45	P45
649482	4076384	0.03607	207.5	0	ANNUAL	Boundary Perimeter 46	P46
649392	4076425	0.02818	205.17	0	ANNUAL	Boundary Perimeter 47	P47
649304	4076472	0.0041	202.16	0	ANNUAL	Boundary Perimeter 48	P48

PMI

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

649226 4076535 0.00188 196.38 0 ANNUAL Boundary Perimeter 49 P49 648984 4077530 0.00127 221.41 0 ANNUAL Boundary Perimeter 5 P5 649166 4076605 0.00433 195.87 0 ANNUAL Boundary Perimeter 50 P50 649068 4076653 0.00448 196.32 0 ANNUAL Boundary Perimeter 51 P51 648987 4076711 0.00404 192.42 0 ANNUAL Boundary Perimeter 52 P52 648937 4076759 0.00397 192.46 0 ANNUAL Boundary Perimeter 53 P53 648869 4076833 0.00381 191.63 0 ANNUAL Boundary Perimeter 54 P54 648797 4076902 0.00338 186.32 0 ANNUAL Boundary Perimeter 55 P55 648711 4076952 0.00266 179.81 0 ANNUAL Boundary Perimeter 57 P57 648607 4077051	X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649156 4076605 0.00433 195.87 0 ANNUAL Boundary Perimeter 50 P50 649068 4076653 0.00448 196.32 0 ANNUAL Boundary Perimeter 51 P51 648987 4076759 0.00397 192.46 0 ANNUAL Boundary Perimeter 52 P52 648869 4076833 0.00381 191.63 0 ANNUAL Boundary Perimeter 54 P54 648797 4076902 0.00338 186.32 0 ANNUAL Boundary Perimeter 55 P55 648711 4076952 0.00266 179.81 0 ANNUAL Boundary Perimeter 56 P56 648621 4076996 0.00214 176.23 0 ANNUAL Boundary Perimeter 57 P57 648607 4077191 0.0033 180.62 0 ANNUAL Boundary Perimeter 59 P59 649084 4077532 0.00098 216.54 0 ANNUAL Boundary Perimeter 69 P60 648791 4077262	649226	4076535	0.00188	196.38	0	ANNUAL	Boundary Perimeter 49	P49
649068 4076653 0.00448 196.32 0 ANNUAL Boundary Perimeter 51 P51 648987 4076711 0.00404 192.42 0 ANNUAL Boundary Perimeter 52 P52 648937 4076759 0.00397 192.46 0 ANNUAL Boundary Perimeter 53 P53 648869 4076833 0.00381 191.63 0 ANNUAL Boundary Perimeter 54 P54 648797 4076902 0.00338 186.32 0 ANNUAL Boundary Perimeter 55 P55 648711 4076952 0.00266 179.81 0 ANNUAL Boundary Perimeter 56 P56 648621 4076996 0.00214 176.23 0 ANNUAL Boundary Perimeter 57 P57 648607 4077051 0.00233 175.02 0 ANNUAL Boundary Perimeter 58 P58 648680 4077119 0.0033 180.62 0 ANNUAL Boundary Perimeter 69 P66 648759 4077180	648984	4077530	0.00127	221.41	0	ANNUAL	Boundary Perimeter 5	P5
648987 4076711 0.00404 192.42 0 ANNUAL Boundary Perimeter 52 P52 648937 4076759 0.00397 192.46 0 ANNUAL Boundary Perimeter 53 P53 648869 4076833 0.00381 191.63 0 ANNUAL Boundary Perimeter 54 P54 648797 4076902 0.00338 186.32 0 ANNUAL Boundary Perimeter 55 P55 648711 4076952 0.00266 179.81 0 ANNUAL Boundary Perimeter 56 P56 648621 4076996 0.00214 176.23 0 ANNUAL Boundary Perimeter 57 P57 648607 4077051 0.00233 175.02 0 ANNUAL Boundary Perimeter 58 P58 648680 4077119 0.0033 180.62 0 ANNUAL Boundary Perimeter 69 P59 649084 4077532 0.00098 216.54 0 ANNUAL Boundary Perimeter 6 P6 648759 4077180 <	649156	4076605	0.00433	195.87	0	ANNUAL	Boundary Perimeter 50	P50
648937 4076759 0.00397 192.46 0 ANNUAL Boundary Perimeter 53 P53 648869 4076833 0.00381 191.63 0 ANNUAL Boundary Perimeter 54 P54 648797 4076902 0.00338 186.32 0 ANNUAL Boundary Perimeter 55 P55 648711 4076952 0.00266 179.81 0 ANNUAL Boundary Perimeter 56 P56 648621 4076996 0.00214 176.23 0 ANNUAL Boundary Perimeter 57 P57 648607 4077051 0.00233 175.02 0 ANNUAL Boundary Perimeter 58 P58 648680 4077119 0.0033 180.62 0 ANNUAL Boundary Perimeter 59 P59 649084 4077532 0.00098 216.54 0 ANNUAL Boundary Perimeter 6 P6 648759 4077180 0.00382 183.47 0 ANNUAL Boundary Perimeter 61 P61 648788 4077362 <	649068	4076653	0.00448	196.32	0	ANNUAL	Boundary Perimeter 51	P51
648869 4076833 0.00381 191.63 0 ANNUAL Boundary Perimeter 54 P54 648797 4076902 0.00338 186.32 0 ANNUAL Boundary Perimeter 55 P55 648711 4076952 0.00266 179.81 0 ANNUAL Boundary Perimeter 56 P56 648621 4076996 0.00214 176.23 0 ANNUAL Boundary Perimeter 57 P57 648607 4077051 0.00233 175.02 0 ANNUAL Boundary Perimeter 58 P58 648680 4077119 0.0033 180.62 0 ANNUAL Boundary Perimeter 59 P59 648759 4077180 0.00382 183.47 0 ANNUAL Boundary Perimeter 6 P6 648759 4077180 0.0037 202.88 0 ANNUAL Boundary Perimeter 61 P61 648788 4077362 0.00272 178.21 0 ANNUAL Boundary Perimeter 62 P62 648691 4077361 <t< td=""><td>648987</td><td>4076711</td><td>0.00404</td><td>192.42</td><td>0</td><td>ANNUAL</td><td>Boundary Perimeter 52</td><td>P52</td></t<>	648987	4076711	0.00404	192.42	0	ANNUAL	Boundary Perimeter 52	P52
648797 4076902 0.00338 186.32 0 ANNUAL Boundary Perimeter 55 P55 648711 4076952 0.00266 179.81 0 ANNUAL Boundary Perimeter 56 P56 648621 4076996 0.00214 176.23 0 ANNUAL Boundary Perimeter 57 P57 648607 4077051 0.00233 175.02 0 ANNUAL Boundary Perimeter 58 P58 648680 4077119 0.0033 180.62 0 ANNUAL Boundary Perimeter 59 P59 649084 4077532 0.00098 216.54 0 ANNUAL Boundary Perimeter 6 P6 648759 4077180 0.00382 183.47 0 ANNUAL Boundary Perimeter 60 P60 648791 4077262 0.0037 202.88 0 ANNUAL Boundary Perimeter 61 P61 648788 4077361 0.00295 176.25 0 ANNUAL Boundary Perimeter 62 P63 648591 4077357 <t< td=""><td>648937</td><td>4076759</td><td>0.00397</td><td>192.46</td><td>0</td><td>ANNUAL</td><td>Boundary Perimeter 53</td><td>P53</td></t<>	648937	4076759	0.00397	192.46	0	ANNUAL	Boundary Perimeter 53	P53
648711 4076952 0.00266 179.81 0 ANNUAL Boundary Perimeter 56 P56 648621 4076996 0.00214 176.23 0 ANNUAL Boundary Perimeter 57 P57 648607 4077051 0.00233 175.02 0 ANNUAL Boundary Perimeter 58 P58 648680 4077119 0.0033 180.62 0 ANNUAL Boundary Perimeter 59 P59 649084 4077532 0.00098 216.54 0 ANNUAL Boundary Perimeter 6 P6 648759 4077180 0.00382 183.47 0 ANNUAL Boundary Perimeter 60 P60 648791 4077262 0.0037 202.88 0 ANNUAL Boundary Perimeter 61 P61 648788 4077362 0.00272 178.21 0 ANNUAL Boundary Perimeter 62 P62 648691 4077357 0.00287 176.25 0 ANNUAL Boundary Perimeter 63 P63 648526 4077371 <t< td=""><td>648869</td><td>4076833</td><td>0.00381</td><td>191.63</td><td>0</td><td>ANNUAL</td><td>Boundary Perimeter 54</td><td>P54</td></t<>	648869	4076833	0.00381	191.63	0	ANNUAL	Boundary Perimeter 54	P54
648621 4076996 0.00214 176.23 0 ANNUAL Boundary Perimeter 57 P57 648607 4077051 0.00233 175.02 0 ANNUAL Boundary Perimeter 58 P58 648680 4077119 0.0033 180.62 0 ANNUAL Boundary Perimeter 59 P59 649084 4077532 0.00098 216.54 0 ANNUAL Boundary Perimeter 6 P6 648759 4077180 0.00382 183.47 0 ANNUAL Boundary Perimeter 60 P60 648791 4077262 0.0037 202.88 0 ANNUAL Boundary Perimeter 61 P61 648788 4077362 0.00272 178.21 0 ANNUAL Boundary Perimeter 62 P62 648691 4077361 0.00295 176.25 0 ANNUAL Boundary Perimeter 63 P63 648526 4077371 0.00267 175.24 0 ANNUAL Boundary Perimeter 65 P65 648587 4077430 <t< td=""><td>648797</td><td>4076902</td><td>0.00338</td><td>186.32</td><td>0</td><td>ANNUAL</td><td>Boundary Perimeter 55</td><td>P55</td></t<>	648797	4076902	0.00338	186.32	0	ANNUAL	Boundary Perimeter 55	P55
648607 4077051 0.00233 175.02 0 ANNUAL Boundary Perimeter 58 P58 648680 4077119 0.0033 180.62 0 ANNUAL Boundary Perimeter 59 P59 649084 4077532 0.00098 216.54 0 ANNUAL Boundary Perimeter 6 P6 648759 4077180 0.00382 183.47 0 ANNUAL Boundary Perimeter 60 P60 648791 4077262 0.0037 202.88 0 ANNUAL Boundary Perimeter 61 P61 648788 4077362 0.00272 178.21 0 ANNUAL Boundary Perimeter 62 P62 648691 4077361 0.00295 176.25 0 ANNUAL Boundary Perimeter 63 P63 648526 4077371 0.00267 175.24 0 ANNUAL Boundary Perimeter 65 P65 648587 4077430 0.00272 175.13 0 ANNUAL Boundary Perimeter 7 P7 649284 4077534	648711	4076952	0.00266	179.81	0	ANNUAL	Boundary Perimeter 56	P56
648680 4077119 0.0033 180.62 0 ANNUAL Boundary Perimeter 59 P59 649084 4077532 0.00098 216.54 0 ANNUAL Boundary Perimeter 6 P6 648759 4077180 0.00382 183.47 0 ANNUAL Boundary Perimeter 60 P60 648791 4077262 0.0037 202.88 0 ANNUAL Boundary Perimeter 61 P61 648788 4077362 0.00272 178.21 0 ANNUAL Boundary Perimeter 62 P62 648691 4077361 0.00295 176.25 0 ANNUAL Boundary Perimeter 63 P63 648591 4077357 0.00287 176 0 ANNUAL Boundary Perimeter 64 P64 648526 4077371 0.00267 175.24 0 ANNUAL Boundary Perimeter 65 P65 648587 4077430 0.00272 175.13 0 ANNUAL Boundary Perimeter 6 P66 649184 4077534 0.	648621	4076996	0.00214	176.23	0	ANNUAL	Boundary Perimeter 57	P57
649084 4077532 0.00098 216.54 0 ANNUAL Boundary Perimeter 6 P6 648759 4077180 0.00382 183.47 0 ANNUAL Boundary Perimeter 60 P60 648791 4077262 0.0037 202.88 0 ANNUAL Boundary Perimeter 61 P61 648788 4077362 0.00272 178.21 0 ANNUAL Boundary Perimeter 62 P62 648691 4077361 0.00295 176.25 0 ANNUAL Boundary Perimeter 63 P63 648591 4077357 0.00287 176 0 ANNUAL Boundary Perimeter 64 P64 648526 4077371 0.00267 175.24 0 ANNUAL Boundary Perimeter 65 P65 648587 4077430 0.00272 175.13 0 ANNUAL Boundary Perimeter 66 P66 649184 4077534 0.00086 230.71 0 ANNUAL Boundary Perimeter 7 P7 649284 4077536 0.	648607	4077051	0.00233	175.02	0	ANNUAL	Boundary Perimeter 58	P58
648759 4077180 0.00382 183.47 0 ANNUAL Boundary Perimeter 60 P60 648791 4077262 0.0037 202.88 0 ANNUAL Boundary Perimeter 61 P61 648788 4077362 0.00272 178.21 0 ANNUAL Boundary Perimeter 62 P62 648691 4077361 0.00295 176.25 0 ANNUAL Boundary Perimeter 63 P63 648591 4077357 0.00287 176 0 ANNUAL Boundary Perimeter 64 P64 648526 4077371 0.00267 175.24 0 ANNUAL Boundary Perimeter 65 P65 648587 4077430 0.00272 175.13 0 ANNUAL Boundary Perimeter 66 P66 649184 4077534 0.00086 230.71 0 ANNUAL Boundary Perimeter 7 P7 649284 4077535 0.00172 248.08 0 ANNUAL Boundary Perimeter 8 P8 649384 4077536 0.	648680	4077119	0.0033	180.62	0	ANNUAL	Boundary Perimeter 59	P59
648791 4077262 0.0037 202.88 0 ANNUAL Boundary Perimeter 61 P61 648788 4077362 0.00272 178.21 0 ANNUAL Boundary Perimeter 62 P62 648691 4077361 0.00295 176.25 0 ANNUAL Boundary Perimeter 63 P63 648591 4077357 0.00287 176 0 ANNUAL Boundary Perimeter 64 P64 648526 4077371 0.00267 175.24 0 ANNUAL Boundary Perimeter 65 P65 648587 4077430 0.00272 175.13 0 ANNUAL Boundary Perimeter 66 P66 649184 4077534 0.00086 230.71 0 ANNUAL Boundary Perimeter 7 P7 649284 4077535 0.00172 248.08 0 ANNUAL Boundary Perimeter 8 P8 649384 4077536 0.00306 258.43 0 ANNUAL Boundary Perimeter 9 P9 645930 4078083 0.00	649084	4077532	0.00098	216.54	0	ANNUAL	Boundary Perimeter 6	P6
648788 4077362 0.00272 178.21 0 ANNUAL Boundary Perimeter 62 P62 648691 4077361 0.00295 176.25 0 ANNUAL Boundary Perimeter 63 P63 648591 4077357 0.00287 176 0 ANNUAL Boundary Perimeter 64 P64 648526 4077371 0.00267 175.24 0 ANNUAL Boundary Perimeter 65 P65 648587 4077430 0.00272 175.13 0 ANNUAL Boundary Perimeter 66 P66 649184 4077534 0.00086 230.71 0 ANNUAL Boundary Perimeter 7 P7 649284 4077535 0.00172 248.08 0 ANNUAL Boundary Perimeter 8 P8 649384 4077536 0.00306 258.43 0 ANNUAL Boundary Perimeter 9 P9 645930 4078083 0.00038 127.38 0 ANNUAL New Development RP_G10	648759	4077180	0.00382	183.47	0	ANNUAL	Boundary Perimeter 60	P60
648691 4077361 0.00295 176.25 0 ANNUAL Boundary Perimeter 63 P63 648591 4077357 0.00287 176 0 ANNUAL Boundary Perimeter 64 P64 648526 4077371 0.00267 175.24 0 ANNUAL Boundary Perimeter 65 P65 648587 4077430 0.00272 175.13 0 ANNUAL Boundary Perimeter 66 P66 649184 4077534 0.00086 230.71 0 ANNUAL Boundary Perimeter 7 P7 649284 4077535 0.00172 248.08 0 ANNUAL Boundary Perimeter 8 P8 649384 4077536 0.00306 258.43 0 ANNUAL Boundary Perimeter 9 P9 645930 4077983 0.00038 127.38 0 ANNUAL New Development RP_G1 645930 4078083 0.00042 127.58 0 ANNUAL New Development RP_G10	648791	4077262	0.0037	202.88	0	ANNUAL	Boundary Perimeter 61	P61
648591 4077357 0.00287 176 0 ANNUAL Boundary Perimeter 64 P64 648526 4077371 0.00267 175.24 0 ANNUAL Boundary Perimeter 65 P65 648587 4077430 0.00272 175.13 0 ANNUAL Boundary Perimeter 66 P66 649184 4077534 0.00086 230.71 0 ANNUAL Boundary Perimeter 7 P7 649284 4077535 0.00172 248.08 0 ANNUAL Boundary Perimeter 8 P8 649384 4077536 0.00306 258.43 0 ANNUAL Boundary Perimeter 9 P9 645930 4077983 0.00038 127.38 0 ANNUAL New Development RP_G1 645930 4078083 0.00042 127.58 0 ANNUAL New Development RP_G10	648788	4077362	0.00272	178.21	0	ANNUAL	Boundary Perimeter 62	P62
648526 4077371 0.00267 175.24 0 ANNUAL Boundary Perimeter 65 P65 648587 4077430 0.00272 175.13 0 ANNUAL Boundary Perimeter 66 P66 649184 4077534 0.00086 230.71 0 ANNUAL Boundary Perimeter 7 P7 649284 4077535 0.00172 248.08 0 ANNUAL Boundary Perimeter 8 P8 649384 4077536 0.00306 258.43 0 ANNUAL Boundary Perimeter 9 P9 645930 4077983 0.00038 127.38 0 ANNUAL New Development RP_G1 645930 4078083 0.00042 127.58 0 ANNUAL New Development RP_G10	648691	4077361	0.00295	176.25	0	ANNUAL	Boundary Perimeter 63	P63
648587 4077430 0.00272 175.13 0 ANNUAL Boundary Perimeter 66 P66 649184 4077534 0.00086 230.71 0 ANNUAL Boundary Perimeter 7 P7 649284 4077535 0.00172 248.08 0 ANNUAL Boundary Perimeter 8 P8 649384 4077536 0.00306 258.43 0 ANNUAL Boundary Perimeter 9 P9 645930 4077983 0.00038 127.38 0 ANNUAL New Development RP_G1 645930 4078083 0.00042 127.58 0 ANNUAL New Development RP_G10	648591	4077357	0.00287	176	0	ANNUAL	Boundary Perimeter 64	P64
649184 4077534 0.00086 230.71 0 ANNUAL Boundary Perimeter 7 P7 649284 4077535 0.00172 248.08 0 ANNUAL Boundary Perimeter 8 P8 649384 4077536 0.00306 258.43 0 ANNUAL Boundary Perimeter 9 P9 645930 4077983 0.00038 127.38 0 ANNUAL New Development RP_G1 645930 4078083 0.00042 127.58 0 ANNUAL New Development RP_G10	648526	4077371	0.00267	175.24	0	ANNUAL	Boundary Perimeter 65	P65
649284 4077535 0.00172 248.08 0 ANNUAL Boundary Perimeter 8 P8 649384 4077536 0.00306 258.43 0 ANNUAL Boundary Perimeter 9 P9 645930 4077983 0.00038 127.38 0 ANNUAL New Development RP_G1 645930 4078083 0.00042 127.58 0 ANNUAL New Development RP_G10	648587	4077430	0.00272	175.13	0	ANNUAL	Boundary Perimeter 66	P66
649384 4077536 0.00306 258.43 0 ANNUAL Boundary Perimeter 9 P9 645930 4077983 0.00038 127.38 0 ANNUAL New Development RP_G1 645930 4078083 0.00042 127.58 0 ANNUAL New Development RP_G10	649184	4077534	0.00086	230.71	0	ANNUAL	Boundary Perimeter 7	P7
645930 4077983 0.00038 127.38 0 ANNUAL New Development RP_G1 645930 4078083 0.00042 127.58 0 ANNUAL New Development RP_G10	649284	4077535	0.00172	248.08	0	ANNUAL	Boundary Perimeter 8	P8
645930 4078083 0.00042 127.58 0 ANNUAL New Development RP_G10	649384	4077536	0.00306	258.43	0	ANNUAL	Boundary Perimeter 9	P9
<u>-</u>	645930	4077983	0.00038	127.38	0	ANNUAL	New Development	RP_G1
646030 4078083 0.00045 130.56 0 ANNUAL New Development RP G11	645930	4078083	0.00042	127.58	0	ANNUAL	New Development	
-	646030	4078083	0.00045	130.56	0	ANNUAL	New Development	RP_G11
646130 4078083 0.00048 134.35 0 ANNUAL New Development RP_G12		4078083	0.00048	134.35	0		New Development	
646230 4078083 0.00051 139.22 0 ANNUAL New Development RP_G13		4078083	0.00051	139.22	0	ANNUAL	New Development	
646330 4078083 0.00055 144.65 0 ANNUAL New Development RP_G14		4078083		144.65	0		New Development	
646430 4078083 0.00058 142.28 0 ANNUAL New Development RP_G15	646430	4078083	0.00058	142.28	0	ANNUAL	New Development	RP_G15
-		4078083					New Development	RP_G16
646630 4078083 0.00066 150.64 0 ANNUAL New Development RP_G17	646630	4078083	0.00066	150.64	0	ANNUAL	New Development	RP_G17

09/29/21

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13:27:06

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- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.0007	155.4	0	ANNUAL	New Development	RP G18
645930	4078183	0.00047	127.22	0	ANNUAL	New Development	RP G19
646030	4077983	0.00041	131.21	0	ANNUAL	New Development	RP_G2
646030	4078183	0.0005	130.56	0	ANNUAL	New Development	RP_G20
646130	4078183	0.00053	133.89	0	ANNUAL	New Development	RP_G21
646230	4078183	0.00056	140.45	0	ANNUAL	New Development	RP_G22
646330	4078183	0.0006	146.94	0	ANNUAL	New Development	RP_G23
646430	4078183	0.00063	140.23	0	ANNUAL	New Development	RP_G24
646530	4078183	0.00067	147.25	0	ANNUAL	New Development	RP_G25
646630	4078183	0.00071	151.56	0	ANNUAL	New Development	RP_G26
646730	4078183	0.00075	157.78	0	ANNUAL	New Development	RP_G27
645930	4078283	0.00052	126.06	0	ANNUAL	New Development	RP_G28
646030	4078283	0.00055	129.56	0	ANNUAL	New Development	RP_G29
646130	4077983	0.00043	135.89	0	ANNUAL	New Development	RP_G3
646130	4078283	0.00058	132.89	0	ANNUAL	New Development	RP_G30
646230	4078283	0.00061	139.24	0	ANNUAL	New Development	RP_G31
646330	4078283	0.00064	142.68	0	ANNUAL	New Development	RP_G32
646430	4078283	0.00068	140.02	0	ANNUAL	New Development	RP_G33
646530	4078283	0.00072	147.22	0	ANNUAL	New Development	RP_G34
646630	4078283	0.00076	151.56	0	ANNUAL	New Development	RP_G35
646730	4078283	0.00081	156.78	0	ANNUAL	New Development	RP_G36
646230	4077983	0.00046	139.18	0	ANNUAL	New Development	RP_G4
646330	4077983	0.00049	140.76	0	ANNUAL	New Development	RP_G5
646430	4077983	0.00053	143.89	0	ANNUAL	New Development	RP_G6
646530	4077983	0.00056	145.22	0	ANNUAL	New Development	RP_G7
646630	4077983	0.0006	147.21	0	ANNUAL	New Development	RP_G8
646730	4077983	0.00064	148.3	0	ANNUAL	New Development	RP_G9
648659	4077241	0.00363	205.79	0	ANNUAL	House 1	RP_H1
648071	4076116	0.00027	169.6	0	ANNUAL	House 10	RP_H10
648247	4076278	0.00035	184.55	0	ANNUAL	House 11	RP_H11
648027	4076255	0.00028	169.38	0	ANNUAL	House 12	RP_H12
648066	4076359	0.00031	173.83	0	ANNUAL	House 13	RP_H13

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09/29/21

* AERMET (21112): Future Flare (Grnd Lvl) SO2 1-yr 2020

13:27:06

- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.00034	178.22	0	ANNUAL	House 14	RP_H14
648255	4076411	0.00039	191.28	0	ANNUAL	House 15	RP_H15
647878	4076365	0.00027	165.39	0	ANNUAL	House 16	RP_H16
647520	4076206	0.0002	159	0	ANNUAL	House 17	RP_H17
647921	4076247	0.00025	164	0	ANNUAL	House 18	RP_H18
647709	4076352	0.00024	163.52	0	ANNUAL	House 19	RP_H19
648372	4075470	0.00029	173.69	0	ANNUAL	House 2	RP_H2
647704	4076251	0.00022	162.17	0	ANNUAL	House 20	RP_H20
647719	4076104	0.00021	159.35	0	ANNUAL	House 21	RP_H21
647843	4076125	0.00023	163	0	ANNUAL	House 22	RP_H22
647842	4076500	0.00029	167.93	0	ANNUAL	House 23	RP_H23
647728	4076644	0.0003	164.15	0	ANNUAL	House 24	RP_H24
647824	4076644	0.00032	168.29	0	ANNUAL	House 25	RP_H25
647530	4076497	0.00024	159.56	0	ANNUAL	House 26	RP_H26
647810	4076854	0.00038	162.9	0	ANNUAL	House 27	RP_H27
647697	4076989	0.00041	161.42	0	ANNUAL	House 28	RP_H28
648226	4076182	0.00033	183.22	0	ANNUAL	House 29	RP_H29
647678	4075969	0.0002	159.5	0	ANNUAL	House 3	RP_H3
645876	4077487	0.00026	127.13	0	ANNUAL	House 30	RP_H30
650902	4076062	0.00257	215.24	0	ANNUAL	House 31	RP_H31
651490	4076597	0.00117	205.5	0	ANNUAL	House 32	RP_H32
651565	4077067	0.00069	213.93	0	ANNUAL	House 33	RP_H33
648673	4075307	0.00038	225.91	0	ANNUAL	House 34	RP_H34
648384	4075469	0.00029	174.44	0	ANNUAL	House 35	RP_H35
646379	4077233	0.00026	146	0	ANNUAL	House 36	RP_H36
651850	4075865	0.00158	201.97	0	ANNUAL	House 37	RP_H37
652045	4076210	0.00122	196.88	0	ANNUAL	House 38	RP_H38
652256	4076391	0.00107	197.06	0	ANNUAL	House 39	RP_H39
647815	4075985	0.00022	162.04	0	ANNUAL	House 4	RP_H4
646854	4077373	0.00035	145.99	0	ANNUAL	House 40	RP_H40
647050	4077360	0.00039	145	0	ANNUAL	House 41	RP_H41
647286	4077474	0.00055	149.68	0	ANNUAL	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.00049	154.45	0	ANNUAL	House 43	RP_H43
647490	4077329	0.00055	162.28	0	ANNUAL	House 44	RP_H44
647522	4077252	0.0005	164.3	0	ANNUAL	House 45	RP_H45
647518	4077139	0.00043	164.01	0	ANNUAL	House 46	RP_H46
646819	4077258	0.00031	151.53	0	ANNUAL	House 47	RP_H47
646779	4077128	0.00028	158.51	0	ANNUAL	House 48	RP_H48
646987	4077213	0.00032	146.44	0	ANNUAL	House 49	RP_H49
647898	4076033	0.00023	163.83	0	ANNUAL	House 5	RP_H5
647242	4077227	0.00038	154.85	0	ANNUAL	House 50	RP_H50
646773	4077063	0.00026	159	0	ANNUAL	House 51	RP_H51
647104	4077118	0.00031	148.99	0	ANNUAL	House 52	RP_H52
647292	4077123	0.00036	158.62	0	ANNUAL	House 53	RP_H53
646765	4076978	0.00025	158.67	0	ANNUAL	House 54	RP_H54
646996	4076984	0.00027	152.34	0	ANNUAL	House 55	RP_H55
647317	4077031	0.00033	160.22	0	ANNUAL	House 56	RP_H56
647398	4077013	0.00034	161.26	0	ANNUAL	House 57	RP_H57
646979	4076904	0.00025	156.81	0	ANNUAL	House 58	RP_H58
647015	4076807	0.00024	156.21	0	ANNUAL	House 59	RP_H59
648045	4076018	0.00026	168.26	0	ANNUAL	House 6	RP_H6
647164	4076802	0.00025	154.38	0	ANNUAL	House 60	RP_H60
647311	4076940	0.0003	162.49	0	ANNUAL	House 61	RP_H61
647298	4076805	0.00027	158	0	ANNUAL	House 62	RP_H62
647447	4076900	0.00031	159.45	0	ANNUAL	House 63	RP_H63
647464	4076781	0.00028	159.32	0	ANNUAL	House 64	RP_H64
647512	4076536	0.00025	159	0	ANNUAL	House 65	RP_H65
651131	4078767	0.00013	179.58	0	ANNUAL	House 66	RP_H66
647131	4077336	0.0004	146.77	0	ANNUAL	House 67	RP_H67
646798	4076740	0.00022	156.07	0	ANNUAL	House 68	RP_H68
646900	4076802	0.00023	159	0	ANNUAL	House 69	RP_H69
648126	4075955	0.00028	171.51	0	ANNUAL	House 7	RP_H7
647317	4076662	0.00025	159.9	0	ANNUAL	House 70	RP_H70
648249	4075970	0.00032	183.42	0	ANNUAL	House 8	RP_H8

09/29/21

* AERMET (21112): Future Flare (Grnd Lvl) SO2 1-yr 2020

13:27:06

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 1 YEARS FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.00032	182.28	0	ANNUAL	House 9	RP_H9

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* AERMET (21112): Future Flare (Ground Lvl) SO2 3-hr 2020

08:27:03

Description

ID

* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

AVERAGE CONC ZELEV ZFLAG AVE

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

	645996	4078698	0.02359	123.85	0	3-HR	AQ Monitoring Station	AQ_ST_1	
ľ	643904	4077719	0.02207	105.68	0	3-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	
	642057	4079416	0.01119	85.12	0	3-HR	Dunne Park	CR_PK_1	1
ľ	642179	4079950	0.02101	117.99	0	3-HR	Vista Park Hill Park	CR_PK_2	
	644733	4078753	0.02778	106.44	0	3-HR	Las Brisas Park	CR_PK_3	
ľ	645609	4078854	0.02335	112.86	0	3-HR	Frank Klauer Memorial Park	CR_PK_4	
	644238	4078807	0.02282	95.25	0	3-HR	Veterans Memorial Park	CR_PK_5	
	645311	4076559	0.01985	134.61	0	3-HR	Park 6	CR_PK_6	
	649582	4073424	0.03321	159.96	0	3-HR	Park 7	CR_PK_7	
	645145	4077181	0.02364	133	0	3-HR	Cerra Vista Elem School	CR_SC_1	
	642905	4079955	0.0217	86	0	3-HR	San Andreas Continuation	CR_SC_10	
	645851	4074015	0.02129	123	0	3-HR	SouthSide School	CR_SC_11	
	642106	4078176	0.01751	91	0	3-HR	School 12	CR_SC_12	
	646059	4078443	0.02917	128.52	0	3-HR	Rancho Santana School	CR_SC_13	School 1
	647269	4075575	0.02093	158	0	3-HR	Future School	CR_SC_14	School 2
	648466	4074106	0.02272	159	0	3-HR	Tres Pinos Union Elementary School	CR_SC_15	
	644110	4078389	0.01739	98.2	0	3-HR	Sunnyslope Elem School	CR_SC_2	
	643920	4077304	0.01706	101.23	0	3-HR	Hollister Montessori School	CR_SC_3	
	642961	4078621	0.01598	92	0	3-HR	Rancho San Justo Middle School	CR_SC_4	
	643980	4079743	0.022	88	0	3-HR	Marguerite Maze Middle School	CR_SC_5	
	641630	4079153	0.01395	85	0	3-HR	Hollister Prep Schoo	CR_SC_6	
	643350	4077181	0.01536	98.22	0	3-HR	Ladd Lane Elementary School	CR_SC_7	
	644003	4080079	0.02751	87	0	3-HR	Gabilan Hills Elementary School	CR_SC_8	
	642245	4078413	0.01739	90.17	0	3-HR	San Benito High School	CR_SC_9	
	642083	4079794	0.01768	87.58	0	3-HR	Jovenes De Antano	CR_SR_1	
	646402	4076879	0.02706	146.33	0	3-HR	Workplace	CR_WP_1	
	648949	4077938	0.03499	189.45	0	3-HR	Nearest Workplace	CR_WP_2	MEIW
	647744	4079173	0.05959	155.2	0	3-HR	Grid Receptor 1	G1	
	647744	4075573	0.02442	160	0	3-HR	Grid Receptor 10	G10	
	651344	4075573	0.10703	252.9	0	3-HR	Grid Receptor 100	G100	
	648144	4079173	0.05468	165.9	0	3-HR	Grid Receptor 11	G11	
	648144	4078773	0.06686	159.6	0	3-HR	Grid Receptor 12	G12	

09/30/21

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08:27:03

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.06525	146.2	0	3-HR	Grid Receptor 13	G13
648144	4077973	0.0457	158.3	0	3-HR	Grid Receptor 14	G14
648144	4077573	0.0625	166.6	0	3-HR	Grid Receptor 15	G15
648144	4077173	0.06184	175.4	0	3-HR	Grid Receptor 16	G16
648144	4076773	0.05411	177.1	0	3-HR	Grid Receptor 17	G17
648144	4076373	0.02649	178	0	3-HR	Grid Receptor 18	G18
648144	4075973	0.02914	173	0	3-HR	Grid Receptor 19	G19
647744	4078773	0.05033	145.4	0	3-HR	Grid Receptor 2	G2
648144	4075573	0.04268	168.8	0	3-HR	Grid Receptor 20	G20
648544	4079173	0.03287	173.5	0	3-HR	Grid Receptor 21	G21
648544	4078773	0.03887	166.2	0	3-HR	Grid Receptor 22	G22
648544	4078373	0.05735	145.4	0	3-HR	Grid Receptor 23	G23
648544	4077973	0.07963	173.9	0	3-HR	Grid Receptor 24	G24
648544	4077573	0.0671	179.6	0	3-HR	Grid Receptor 25	G25
648544	4077173	0.10956	191	0	3-HR	Grid Receptor 26	G26
648544	4076773	0.07123	209.2	0	3-HR	Grid Receptor 27	G27
648544	4076373	0.04046	233.7	0	3-HR	Grid Receptor 28	G28
648544	4075973	0.03592	199.9	0	3-HR	Grid Receptor 29	G29
647744	4078373	0.03625	144.4	0	3-HR	Grid Receptor 3	G3
648544	4075573	0.05518	195.5	0	3-HR	Grid Receptor 30	G30
648944	4079173	0.03888	190.4	0	3-HR	Grid Receptor 31	G31
648944	4078773	0.03517	165.4	0	3-HR	Grid Receptor 32	G32
648944	4078373	0.0308	159.6	0	3-HR	Grid Receptor 33	G33
648944	4077973	0.03425	183.5	0	3-HR	Grid Receptor 34	G34
648944	4077573	0.06222	224	0	3-HR	Grid Receptor 35	G35
648944	4076373	0.04329	205	0	3-HR	Grid Receptor 38	G38
648944	4075973	0.16234	208.8	0	3-HR	Grid Receptor 39	G39
647744	4077973	0.04593	134.6	0	3-HR	Grid Receptor 4	G4
648944	4075573	0.03656	185.6	0	3-HR	Grid Receptor 40	G40
649344	4079173	0.02361	187.4	0	3-HR	Grid Receptor 41	G41
649344	4078773	0.02226	160.9	0	3-HR	Grid Receptor 42	G42
649344	4078373	0.02547	200.5	0	3-HR	Grid Receptor 43	G43

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.02717	229	0	3-HR	Grid Receptor 44	G44
649344	4077573	0.28499	253.3	0	3-HR	Grid Receptor 45	G45
649344	4076373	0.32	220.2	0	3-HR	Grid Receptor 48	G48
649344	4075973	0.10834	227.2	0	3-HR	Grid Receptor 49	G49
647744	4077573	0.03938	163.8	0	3-HR	Grid Receptor 5	G5
649344	4075573	0.05455	205.5	0	3-HR	Grid Receptor 50	G50
649744	4079173	0.02592	176.1	0	3-HR	Grid Receptor 51	G51
649744	4078773	0.02788	195	0	3-HR	Grid Receptor 52	G52
649744	4078373	0.0279	196.1	0	3-HR	Grid Receptor 53	G53
649744	4077973	0.02496	215.3	0	3-HR	Grid Receptor 54	G54
649744	4077573	0.01744	221.6	0	3-HR	Grid Receptor 55	G55
649744	4076373	0.20805	211.7	0	3-HR	Grid Receptor 58	G58
649744	4075973	0.11449	237.7	0	3-HR	Grid Receptor 59	G59
647744	4077173	0.03953	158.4	0	3-HR	Grid Receptor 6	G6
649744	4075573	0.06636	204.2	0	3-HR	Grid Receptor 60	G60
650144	4079173	0.02961	173	0	3-HR	Grid Receptor 61	G61
650144	4078773	0.02216	171	0	3-HR	Grid Receptor 62	G62
650144	4078373	0.01987	204.6	0	3-HR	Grid Receptor 63	G63
650144	4077973	0.01426	216.5	0	3-HR	Grid Receptor 64	G64
650144	4077573	0.22829	257.7	0	3-HR	Grid Receptor 65	G65
650144	4076373	0.09167	231.4	0	3-HR	Grid Receptor 68	G68
650144	4075973	0.15871	249.4	0	3-HR	Grid Receptor 69	G69
647744	4076773	0.04509	164.7	0	3-HR	Grid Receptor 7	G7
650144	4075573	0.06301	216.4	0	3-HR	Grid Receptor 70	G70
650544	4079173	0.01678	177	0	3-HR	Grid Receptor 71	G71
650544	4078773	0.01028	180.9	0	3-HR	Grid Receptor 72	G72
650544	4078373	0.01197	196.6	0	3-HR	Grid Receptor 73	G73
650544	4077973	0.01417	236.9	0	3-HR	Grid Receptor 74	G74
650544	4077573	0.13045	261.3	0	3-HR	Grid Receptor 75	G75
650544	4076373	0.2114	260.9	0	3-HR	Grid Receptor 78	G78
650544	4075973	0.10447	226.7	0	3-HR	Grid Receptor 79	G79
647744	4076373	0.02207	164	0	3-HR	Grid Receptor 8	G8

09/30/21

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
650544	4075573	0.42138	268.2	0	3-HR	Grid Receptor 80	G80	PM
650944	4079173	0.00955	181.3	0	3-HR	Grid Receptor 81	G81	
650944	4078773	0.011	178.4	0	3-HR	Grid Receptor 82	G82	
650944	4078373	0.01207	214.8	0	3-HR	Grid Receptor 83	G83	
650944	4077973	0.05925	249.9	0	3-HR	Grid Receptor 84	G84	
650944	4077573	0.23005	276.5	0	3-HR	Grid Receptor 85	G85	
650944	4077173	0.06012	225.6	0	3-HR	Grid Receptor 86	G86	
650944	4076773	0.0698	219.8	0	3-HR	Grid Receptor 87	G87	
650944	4076373	0.07616	209.2	0	3-HR	Grid Receptor 88	G88	
650944	4075973	0.06501	216.6	0	3-HR	Grid Receptor 89	G89	
647744	4075973	0.0216	160.7	0	3-HR	Grid Receptor 9	G9	
650944	4075573	0.06436	243.2	0	3-HR	Grid Receptor 90	G90	
651344	4079173	0.0104	191	0	3-HR	Grid Receptor 91	G91	
651344	4078773	0.01132	181	0	3-HR	Grid Receptor 92	G92	
651344	4078373	0.02434	214.3	0	3-HR	Grid Receptor 93	G93	
651344	4077973	0.05158	248.4	0	3-HR	Grid Receptor 94	G94	
651344	4077573	0.04655	213.2	0	3-HR	Grid Receptor 95	G95	
651344	4077173	0.04891	213.6	0	3-HR	Grid Receptor 96	G96	
651344	4076773	0.05636	203.5	0	3-HR	Grid Receptor 97	G97	
651344	4076373	0.06082	205.6	0	3-HR	Grid Receptor 98	G98	
651344	4075973	0.05285	205.8	0	3-HR	Grid Receptor 99	G99	
648584	4077523	0.06881	183.61	0	3-HR	Boundary Perimeter 1	P1	
649484	4077537	0.26497	254.01	0	3-HR	Boundary Perimeter 10	P10	
649584	4077539	0.02372	235.3	0	3-HR	Boundary Perimeter 11	P11	
649684	4077540	0.0196	221.29	0	3-HR	Boundary Perimeter 12	P12	
649784	4077541	0.02095	222.37	0	3-HR	Boundary Perimeter 13	P13	
649884	4077542	0.02531	233.6	0	3-HR	Boundary Perimeter 14	P14	
649984	4077543	0.13506	249.54	0	3-HR	Boundary Perimeter 15	P15	
650084	4077546	0.31794	258.89	0	3-HR	Boundary Perimeter 16	P16	
650184	4077548	0.16942	259.56	0	3-HR	Boundary Perimeter 17	P17	
650284	4077550	0.14768	256.77	0	3-HR	Boundary Perimeter 18	P18	
650384	4077552	0.03947	242.37	0	3-HR	Boundary Perimeter 19	P19	

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* AERMET (21112): Future Flare (Ground Lvl) SO2 3-hr 2020

08:27:03

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648684	4077525	0.08562	197.16	0	3-HR	Boundary Perimeter 2	P2
650484	4077554	0.03663	242.23	0	3-HR	Boundary Perimeter 20	P20
650584	4077557	0.10298	259.71	0	3-HR	Boundary Perimeter 21	P21
650684	4077559	0.10908	257.58	0	3-HR	Boundary Perimeter 22	P22
650777	4077554	0.21506	267.9	0	3-HR	Boundary Perimeter 23	P23
650779	4077454	0.20852	275.91	0	3-HR	Boundary Perimeter 24	P24
650781	4077354	0.19187	265.73	0	3-HR	Boundary Perimeter 25	P25
650783	4077254	0.08493	251.08	0	3-HR	Boundary Perimeter 26	P26
650785	4077154	0.09718	252.83	0	3-HR	Boundary Perimeter 27	P27
650787	4077054	0.06014	246.1	0	3-HR	Boundary Perimeter 28	P28
650789	4076954	0.06902	241.37	0	3-HR	Boundary Perimeter 29	P29
648784	4077527	0.09336	209.74	0	3-HR	Boundary Perimeter 3	P3
650791	4076854	0.07527	246.79	0	3-HR	Boundary Perimeter 30	P30
650794	4076754	0.07381	228.75	0	3-HR	Boundary Perimeter 31	P31
650754	4076683	0.07681	217.76	0	3-HR	Boundary Perimeter 32	P32
650660	4076650	0.08193	221.2	0	3-HR	Boundary Perimeter 33	P33
650561	4076650	0.08514	220.83	0	3-HR	Boundary Perimeter 34	P34
650463	4076666	0.08599	223.42	0	3-HR	Boundary Perimeter 35	P35
650364	4076682	0.08417	222.46	0	3-HR	Boundary Perimeter 36	P36
650264	4076683	0.0844	223.19	0	3-HR	Boundary Perimeter 37	P37
650165	4076674	0.08709	222.1	0	3-HR	Boundary Perimeter 38	P38
650066	4076660	0.09301	217.03	0	3-HR	Boundary Perimeter 39	P39
648884	4077529	0.08051	214.25	0	3-HR	Boundary Perimeter 4	P4
649980	4076627	0.104	214.82	0	3-HR	Boundary Perimeter 40	P40
649920	4076547	0.15971	214.91	0	3-HR	Boundary Perimeter 41	P41
649852	4076474	0.15702	214.09	0	3-HR	Boundary Perimeter 42	P42
649771	4076417	0.17491	211.53	0	3-HR	Boundary Perimeter 43	P43
649680	4076375	0.27157	210.17	0	3-HR	Boundary Perimeter 44	P44
649581	4076368	0.24817	208.52	0	3-HR	Boundary Perimeter 45	P45
649482	4076384	0.29063	207.5	0	3-HR	Boundary Perimeter 46	P46
649392	4076425	0.33766	205.17	0	3-HR	Boundary Perimeter 47	P47
649304	4076472	0.12311	202.16	0	3-HR	Boundary Perimeter 48	P48

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.0903	196.38	0	3-HR	Boundary Perimeter 49	P49
648984	4077530	0.0556	221.41	0	3-HR	Boundary Perimeter 5	P5
649156	4076605	0.15554	195.87	0	3-HR	Boundary Perimeter 50	P50
649068	4076653	0.20034	196.32	0	3-HR	Boundary Perimeter 51	P51
648987	4076711	0.16547	192.42	0	3-HR	Boundary Perimeter 52	P52
648937	4076759	0.15023	192.46	0	3-HR	Boundary Perimeter 53	P53
648869	4076833	0.15552	191.63	0	3-HR	Boundary Perimeter 54	P54
648797	4076902	0.15858	186.32	0	3-HR	Boundary Perimeter 55	P55
648711	4076952	0.13132	179.81	0	3-HR	Boundary Perimeter 56	P56
648621	4076996	0.10444	176.23	0	3-HR	Boundary Perimeter 57	P57
648607	4077051	0.11936	175.02	0	3-HR	Boundary Perimeter 58	P58
648680	4077119	0.11144	180.62	0	3-HR	Boundary Perimeter 59	P59
649084	4077532	0.04918	216.54	0	3-HR	Boundary Perimeter 6	P6
648759	4077180	0.09419	183.47	0	3-HR	Boundary Perimeter 60	P60
648791	4077262	0.10229	202.88	0	3-HR	Boundary Perimeter 61	P61
648788	4077362	0.07867	178.21	0	3-HR	Boundary Perimeter 62	P62
648691	4077361	0.06592	176.25	0	3-HR	Boundary Perimeter 63	P63
648591	4077357	0.0823	176	0	3-HR	Boundary Perimeter 64	P64
648526	4077371	0.09006	175.24	0	3-HR	Boundary Perimeter 65	P65
648587	4077430	0.06012	175.13	0	3-HR	Boundary Perimeter 66	P66
649184	4077534	0.03204	230.71	0	3-HR	Boundary Perimeter 7	P7
649284	4077535	0.11761	248.08	0	3-HR	Boundary Perimeter 8	P8
649384	4077536	0.36751	258.43	0	3-HR	Boundary Perimeter 9	Р9
645930	4077983	0.02787	127.38	0	3-HR	New Development	RP_G1
645930	4078083	0.03152	127.58	0	3-HR	New Development	RP_G10
646030	4078083	0.03334	130.56	0	3-HR	New Development	RP_G11
646130	4078083	0.0349	134.35	0	3-HR	New Development	RP_G12
646230	4078083	0.03614	139.22	0	3-HR	New Development	RP_G13
646330	4078083	0.03692	144.65	0	3-HR	New Development	RP_G14
646430	4078083	0.03644	142.28	0	3-HR	New Development	RP_G15
646530	4078083	0.03584	146.76	0	3-HR	New Development	RP_G16
646630	4078083	0.03447	150.64	0	3-HR	New Development	RP_G17

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* MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*

- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
646730	4078083	0.03343	155.4	0	3-HR	New Development	RP_G18	
645930	4078183	0.03363	127.22	0	3-HR	New Development	RP_G19	П
646030	4077983	0.03027	131.21	0	3-HR	New Development	RP_G2	
646030	4078183	0.03468	130.56	0	3-HR	New Development	RP_G20	٦
646130	4078183	0.03527	133.89	0	3-HR	New Development	RP_G21	
646230	4078183	0.03557	140.45	0	3-HR	New Development	RP_G22	٦
646330	4078183	0.0353	146.94	0	3-HR	New Development	RP_G23	
646430	4078183	0.03337	140.23	0	3-HR	New Development	RP_G24	\Box
646530	4078183	0.03185	147.25	0	3-HR	New Development	RP_G25	
646630	4078183	0.03148	151.56	0	3-HR	New Development	RP_G26	٦
646730	4078183	0.03067	157.78	0	3-HR	New Development	RP_G27	
645930	4078283	0.03392	126.06	0	3-HR	New Development	RP_G28	П
646030	4078283	0.03405	129.56	0	3-HR	New Development	RP_G29	
646130	4077983	0.03261	135.89	0	3-HR	New Development	RP_G3	П
646130	4078283	0.03364	132.89	0	3-HR	New Development	RP_G30	
646230	4078283	0.03289	139.24	0	3-HR	New Development	RP_G31	٦
646330	4078283	0.03137	142.68	0	3-HR	New Development	RP_G32	
646430	4078283	0.02988	140.02	0	3-HR	New Development	RP_G33	П
646530	4078283	0.02939	147.22	0	3-HR	New Development	RP_G34	
646630	4078283	0.0282	151.56	0	3-HR	New Development	RP_G35	П
646730	4078283	0.02884	156.78	0	3-HR	New Development	RP_G36	
646230	4077983	0.03463	139.18	0	3-HR	New Development	RP_G4	
646330	4077983	0.03617	140.76	0	3-HR	New Development	RP_G5	
646430	4077983	0.03734	143.89	0	3-HR	New Development	RP_G6	
646530	4077983	0.03776	145.22	0	3-HR	New Development	RP_G7	
646630	4077983	0.03752	147.21	0	3-HR	New Development	RP_G8	
646730	4077983	0.03642	148.3	0	3-HR	New Development	RP_G9	
648659	4077241	0.12436	205.79	0	3-HR	House 1	RP_H1	l
648071	4076116	0.02484	169.6	0	3-HR	House 10	RP_H10	
648247	4076278	0.02821	184.55	0	3-HR	House 11	RP_H11	7
648027	4076255	0.02596	169.38	0	3-HR	House 12	RP_H12	
648066	4076359	0.02575	173.83	0	3-HR	House 13	RP_H13	٦

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.02598	178.22	0	3-HR	House 14	RP_H14
648255	4076411	0.0276	191.28	0	3-HR	House 15	RP_H15
647878	4076365	0.02349	165.39	0	3-HR	House 16	RP_H16
647520	4076206	0.02181	159	0	3-HR	House 17	RP_H17
647921	4076247	0.02492	164	0	3-HR	House 18	RP_H18
647709	4076352	0.02208	163.52	0	3-HR	House 19	RP_H19
648372	4075470	0.05694	173.69	0	3-HR	House 2	RP_H2
647704	4076251	0.0231	162.17	0	3-HR	House 20	RP_H20
647719	4076104	0.02306	159.35	0	3-HR	House 21	RP_H21
647843	4076125	0.02398	163	0	3-HR	House 22	RP_H22
647842	4076500	0.02055	167.93	0	3-HR	House 23	RP_H23
647728	4076644	0.03232	164.15	0	3-HR	House 24	RP_H24
647824	4076644	0.03428	168.29	0	3-HR	House 25	RP_H25
647530	4076497	0.02106	159.56	0	3-HR	House 26	RP_H26
647810	4076854	0.05062	162.9	0	3-HR	House 27	RP_H27
647697	4076989	0.04937	161.42	0	3-HR	House 28	RP_H28
648226	4076182	0.02689	183.22	0	3-HR	House 29	RP_H29
647678	4075969	0.02142	159.5	0	3-HR	House 3	RP_H3
645876	4077487	0.0308	127.13	0	3-HR	House 30	RP_H30
650902	4076062	0.05949	215.24	0	3-HR	House 31	RP_H31
651490	4076597	0.05638	205.5	0	3-HR	House 32	RP_H32
651565	4077067	0.04547	213.93	0	3-HR	House 33	RP_H33
648673	4075307	0.05088	225.91	0	3-HR	House 34	RP_H34
648384	4075469	0.05656	174.44	0	3-HR	House 35	RP_H35
646379	4077233	0.03632	146	0	3-HR	House 36	RP_H36
651850	4075865	0.04427	201.97	0	3-HR	House 37	RP_H37
652045	4076210	0.0393	196.88	0	3-HR	House 38	RP_H38
652256	4076391	0.04147	197.06	0	3-HR	House 39	RP_H39
647815	4075985	0.02191	162.04	0	3-HR	House 4	RP_H4
646854	4077373	0.03427	145.99	0	3-HR	House 40	RP_H40
647050	4077360	0.03339	145	0	3-HR	House 41	RP_H41
647286	4077474	0.03833	149.68	0	3-HR	House 42	RP_H42

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.03228	154.45	0	3-HR	House 43	RP_H43
647490	4077329	0.03633	162.28	0	3-HR	House 44	RP_H44
647522	4077252	0.03541	164.3	0	3-HR	House 45	RP_H45
647518	4077139	0.04333	164.01	0	3-HR	House 46	RP_H46
646819	4077258	0.0388	151.53	0	3-HR	House 47	RP_H47
646779	4077128	0.04065	158.51	0	3-HR	House 48	RP_H48
646987	4077213	0.03987	146.44	0	3-HR	House 49	RP_H49
647898	4076033	0.0229	163.83	0	3-HR	House 5	RP_H5
647242	4077227	0.03959	154.85	0	3-HR	House 50	RP_H50
646773	4077063	0.03989	159	0	3-HR	House 51	RP_H51
647104	4077118	0.04254	148.99	0	3-HR	House 52	RP_H52
647292	4077123	0.04414	158.62	0	3-HR	House 53	RP_H53
646765	4076978	0.03738	158.67	0	3-HR	House 54	RP_H54
646996	4076984	0.0405	152.34	0	3-HR	House 55	RP_H55
647317	4077031	0.04613	160.22	0	3-HR	House 56	RP_H56
647398	4077013	0.04709	161.26	0	3-HR	House 57	RP_H57
646979	4076904	0.03752	156.81	0	3-HR	House 58	RP_H58
647015	4076807	0.03269	156.21	0	3-HR	House 59	RP_H59
648045	4076018	0.02578	168.26	0	3-HR	House 6	RP_H6
647164	4076802	0.03478	154.38	0	3-HR	House 60	RP_H60
647311	4076940	0.04516	162.49	0	3-HR	House 61	RP_H61
647298	4076805	0.03774	158	0	3-HR	House 62	RP_H62
647447	4076900	0.04578	159.45	0	3-HR	House 63	RP_H63
647464	4076781	0.03936	159.32	0	3-HR	House 64	RP_H64
647512	4076536	0.02223	159	0	3-HR	House 65	RP_H65
651131	4078767	0.011	179.58	0	3-HR	House 66	RP_H66
647131	4077336	0.034	146.77	0	3-HR	House 67	RP_H67
646798	4076740	0.02527	156.07	0	3-HR	House 68	RP_H68
646900	4076802	0.03073	159	0	3-HR	House 69	RP_H69
648126	4075955	0.029	171.51	0	3-HR	House 7	RP_H7
647317	4076662	0.02718	159.9	0	3-HR	House 70	RP_H70
648249	4075970	0.03124	183.42	0	3-HR	House 8	RP_H8

09/30/21

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- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.02764	182.28	0	3-HR	House 9	RP_H9

09/29/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 24-hr 2020

13:27:06

- * PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID	
645996	4078698	0.00739	123.85	0	24-HR	AQ Monitoring Station	AQ_ST_1	
643904	4077719	0.00442	105.68	0	24-HR	Hazel Hawkins Memorial Hospital	CR_HP_1	
642057	4079416	0.00357	85.12	0	24-HR	Dunne Park	CR_PK_1	
642179	4079950	0.00475	117.99	0	24-HR	Vista Park Hill Park	CR_PK_2	
644733	4078753	0.0077	106.44	0	24-HR	Las Brisas Park	CR_PK_3	
645609	4078854	0.00764	112.86	0	24-HR	Frank Klauer Memorial Park	CR_PK_4	
644238	4078807	0.00611	95.25	0	24-HR	Veterans Memorial Park	CR_PK_5	
645311	4076559	0.00369	134.61	0	24-HR	Park 6	CR_PK_6	
649582	4073424	0.00594	159.96	0	24-HR	Park 7	CR_PK_7	
645145	4077181	0.0031	133	0	24-HR	Cerra Vista Elem School	CR_SC_1	
642905	4079955	0.00568	86	0	24-HR	San Andreas Continuation	CR_SC_10	
645851	4074015	0.00306	123	0	24-HR	SouthSide School	CR_SC_11	
642106	4078176	0.00441	91	0	24-HR	School 12	CR_SC_12	
646059	4078443	0.01001	128.52	0	24-HR	Rancho Santana School	CR_SC_13	School 1
647269	4075575	0.00274	158	0	24-HR	Future School	CR_SC_14	School 2
648466	4074106	0.00464	159	0	24-HR	Tres Pinos Union Elementary School	CR_SC_15	
644110	4078389	0.00473	98.2	0	24-HR	Sunnyslope Elem School	CR_SC_2	
643920	4077304	0.00291	101.23	0	24-HR	Hollister Montessori School	CR_SC_3	
642961	4078621	0.0045	92	0	24-HR	Rancho San Justo Middle School	CR_SC_4	
643980	4079743	0.00586	88	0	24-HR	Marguerite Maze Middle School	CR_SC_5	
641630	4079153	0.00384	85	0	24-HR	Hollister Prep Schoo	CR_SC_6	
643350	4077181	0.00294	98.22	0	24-HR	Ladd Lane Elementary School	CR_SC_7	
644003	4080079	0.00434	87	0	24-HR	Gabilan Hills Elementary School	CR_SC_8	
642245	4078413	0.00479	90.17	0	24-HR	San Benito High School	CR_SC_9	
642083	4079794	0.00418	87.58	0	24-HR	Jovenes De Antano	CR_SR_1	
646402	4076879	0.00359	146.33	0	24-HR	Workplace	CR_WP_1	
648949	4077938	0.011	189.45	0	24-HR	Nearest Workplace	CR_WP_2	MEIW
647744	4079173	0.01057	155.2	0	24-HR	Grid Receptor 1	G1	
647744	4075573	0.00321	160	0	24-HR	Grid Receptor 10	G10	
651344	4075573	0.022	252.9	0	24-HR	Grid Receptor 100	G100	
648144	4079173	0.00701	165.9	0	24-HR	Grid Receptor 11	G11	
648144	4078773	0.00919	159.6	0	24-HR	Grid Receptor 12	G12	

09/29/21

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13:27:06

- * PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648144	4078373	0.01474	146.2	0	24-HR	Grid Receptor 13	G13
648144	4077973	0.01658	158.3	0	24-HR	Grid Receptor 14	G14
648144	4077573	0.01748	166.6	0	24-HR Grid Receptor 15		G15
648144	4077173	0.02109	175.4	0	24-HR	Grid Receptor 16	G16
648144	4076773	0.01328	177.1	0	24-HR	Grid Receptor 17	G17
648144	4076373	0.00393	178	0	24-HR	Grid Receptor 18	G18
648144	4075973	0.00387	173	0	24-HR	Grid Receptor 19	G19
647744	4078773	0.0128	145.4	0	24-HR	Grid Receptor 2	G2
648144	4075573	0.00552	168.8	0	24-HR	Grid Receptor 20	G20
648544	4079173	0.00714	173.5	0	24-HR	Grid Receptor 21	G21
648544	4078773	0.00844	166.2	0	24-HR	Grid Receptor 22	G22
648544	4078373	0.00958	145.4	0	24-HR	Grid Receptor 23	G23
648544	4077973	0.01315	173.9	0	24-HR	Grid Receptor 24	G24
648544	4077573	0.02187	179.6	0	24-HR	Grid Receptor 25	G25
648544	4077173	0.02233	191	0	24-HR	Grid Receptor 26	G26
648544	4076773	0.04007	209.2	0	24-HR	Grid Receptor 27	G27
648544	4076373	0.00849	233.7	0	24-HR	Grid Receptor 28	G28
648544	4075973	0.00479	199.9	0	24-HR	Grid Receptor 29	G29
647744	4078373	0.01307	144.4	0	24-HR	Grid Receptor 3	G3
648544	4075573	0.00915	195.5	0	24-HR	Grid Receptor 30	G30
648944	4079173	0.0049	190.4	0	24-HR	Grid Receptor 31	G31
648944	4078773	0.00445	165.4	0	24-HR	Grid Receptor 32	G32
648944	4078373	0.00627	159.6	0	24-HR	Grid Receptor 33	G33
648944	4077973	0.01049	183.5	0	24-HR	Grid Receptor 34	G34
648944	4077573	0.01913	224	0	24-HR	Grid Receptor 35	G35
648944	4076373	0.00791	205	0	24-HR	Grid Receptor 38	G38
648944	4075973	0.03287	208.8	0	24-HR	Grid Receptor 39	G39
647744	4077973	0.01359	134.6	0	24-HR	Grid Receptor 4	G4
648944	4075573	0.00835	185.6	0	24-HR	Grid Receptor 40	G40
649344	4079173	0.00299	187.4	0	24-HR	Grid Receptor 41	G41
649344	4078773	0.00283	160.9	0	24-HR	Grid Receptor 42	G42
649344	4078373	0.00326	200.5	0	24-HR	Grid Receptor 43	G43

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- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649344	4077973	0.00405	229	0	24-HR	Grid Receptor 44	G44
649344	4077573	0.03577	253.3	0	24-HR	Grid Receptor 45	G45
649344	4076373	0.09254	220.2	0	24-HR Grid Receptor 48		G48
649344	4075973	0.03999	227.2	0	24-HR	Grid Receptor 49	G49
647744	4077573	0.01046	163.8	0	24-HR	Grid Receptor 5	G5
649344	4075573	0.01802	205.5	0	24-HR	Grid Receptor 50	G50
649744	4079173	0.00329	176.1	0	24-HR	Grid Receptor 51	G51
649744	4078773	0.00363	195	0	24-HR	Grid Receptor 52	G52
649744	4078373	0.00365	196.1	0	24-HR	Grid Receptor 53	G53
649744	4077973	0.0033	215.3	0	24-HR	Grid Receptor 54	G54
649744	4077573	0.0033	221.6	0	24-HR	Grid Receptor 55	G55
649744	4076373	0.09743	211.7	0	24-HR	Grid Receptor 58	G58
649744	4075973	0.04615	237.7	0	24-HR	Grid Receptor 59	G59
647744	4077173	0.01889	158.4	0	24-HR	Grid Receptor 6	G6
649744	4075573	0.01898	204.2	0	24-HR	Grid Receptor 60	G60
650144	4079173	0.00375	173	0	24-HR	Grid Receptor 61	G61
650144	4078773	0.0029	171	0	24-HR	Grid Receptor 62	G62
650144	4078373	0.00265	204.6	0	24-HR	Grid Receptor 63	G63
650144	4077973	0.00297	216.5	0	24-HR	Grid Receptor 64	G64
650144	4077573	0.03486	257.7	0	24-HR	Grid Receptor 65	G65
650144	4076373	0.04842	231.4	0	24-HR	Grid Receptor 68	G68
650144	4075973	0.04747	249.4	0	24-HR	Grid Receptor 69	G69
647744	4076773	0.00758	164.7	0	24-HR	Grid Receptor 7	G7
650144	4075573	0.02054	216.4	0	24-HR	Grid Receptor 70	G70
650544	4079173	0.00221	177	0	24-HR	Grid Receptor 71	G71
650544	4078773	0.00233	180.9	0	24-HR	Grid Receptor 72	G72
650544	4078373	0.00234	196.6	0	24-HR	Grid Receptor 73	G73
650544	4077973	0.00481	236.9	0	24-HR	Grid Receptor 74	G74
650544	4077573	0.02864	261.3	0	24-HR	Grid Receptor 75	G75
650544	4076373	0.04907	260.9	0	24-HR	Grid Receptor 78	G78
650544	4075973	0.03669	226.7	0	24-HR	Grid Receptor 79	G79
647744	4076373	0.00332	164	0	24-HR	Grid Receptor 8	G8

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
650544	4075573	0.07774	268.2	0	24-HR	Grid Receptor 80	G80
650944	4079173	0.00198	181.3	0	24-HR	24-HR Grid Receptor 81	
650944	4078773	0.00187	178.4	0	24-HR	Grid Receptor 82	G82
650944	4078373	0.00237	214.8	0	24-HR	Grid Receptor 83	G83
650944	4077973	0.01327	249.9	0	24-HR	Grid Receptor 84	G84
650944	4077573	0.02894	276.5	0	24-HR	Grid Receptor 85	G85
650944	4077173	0.01325	225.6	0	24-HR	Grid Receptor 86	G86
650944	4076773	0.01929	219.8	0	24-HR	Grid Receptor 87	G87
650944	4076373	0.0334	209.2	0	24-HR	Grid Receptor 88	G88
650944	4075973	0.026	216.6	0	24-HR	Grid Receptor 89	G89
647744	4075973	0.00301	160.7	0	24-HR	Grid Receptor 9	G9
650944	4075573	0.02417	243.2	0	24-HR	Grid Receptor 90	G90
651344	4079173	0.00162	191	0	24-HR	Grid Receptor 91	G91
651344	4078773	0.00174	181	0	24-HR	Grid Receptor 92	G92
651344	4078373	0.00418	214.3	0	24-HR	Grid Receptor 93	G93
651344	4077973	0.00659	248.4	0	24-HR	Grid Receptor 94	G94
651344	4077573	0.01263	213.2	0	24-HR	Grid Receptor 95	G95
651344	4077173	0.01167	213.6	0	24-HR	Grid Receptor 96	G96
651344	4076773	0.01534	203.5	0	24-HR	Grid Receptor 97	G97
651344	4076373	0.02807	205.6	0	24-HR	Grid Receptor 98	G98
651344	4075973	0.01422	205.8	0	24-HR	Grid Receptor 99	G99
648584	4077523	0.02283	183.61	0	24-HR	Boundary Perimeter 1	P1
649484	4077537	0.04555	254.01	0	24-HR	Boundary Perimeter 10	P10
649584	4077539	0.00339	235.3	0	24-HR	Boundary Perimeter 11	P11
649684	4077540	0.00313	221.29	0	24-HR	Boundary Perimeter 12	P12
649784	4077541	0.00347	222.37	0	24-HR	Boundary Perimeter 13	P13
649884	4077542	0.00342	233.6	0	24-HR	Boundary Perimeter 14	P14
649984	4077543	0.02436	249.54	0	24-HR	Boundary Perimeter 15	P15
650084	4077546	0.0476	258.89	0	24-HR Boundary Perimeter 16		P16
650184	4077548	0.04435	259.56	0	24-HR Boundary Perimeter 17		P17
650284	4077550	0.03658	256.77	0	24-HR Boundary Perimeter 18		P18
650384	4077552	0.00842	242.37	0	24-HR	Boundary Perimeter 19	P19

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TORWA1. (A,1A,3(1A,113.3),3(1A,110.2),3A,A3,2A,A3,A3,A3,A3,A3,A3,A3,A3,A3,A3,A3,A3,A3										
X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID			
648684	4077525	0.0227	197.16	0	24-HR	Boundary Perimeter 2	P2			
650484	4077554	0.00938	242.23	0	24-HR	Boundary Perimeter 20	P20			
650584	4077557	0.02049	259.71	0	24-HR	Boundary Perimeter 21	P21			
650684	4077559	0.01386	257.58	0	24-HR	Boundary Perimeter 22	P22			
650777	4077554	0.02711	267.9	0	24-HR	Boundary Perimeter 23	P23			
650779	4077454	0.02701	275.91	0	24-HR	Boundary Perimeter 24	P24			
650781	4077354	0.02639	265.73	0	24-HR	Boundary Perimeter 25	P25			
650783	4077254	0.01801	251.08	0	24-HR	Boundary Perimeter 26	P26			
650785	4077154	0.01993	252.83	0	24-HR	Boundary Perimeter 27	P27			
650787	4077054	0.01989	246.1	0	24-HR	Boundary Perimeter 28	P28			
650789	4076954	0.01651	241.37	0	24-HR	Boundary Perimeter 29	P29			
648784	4077527	0.01968	209.74	0	24-HR	Boundary Perimeter 3	Р3			
650791	4076854	0.02023	246.79	0	24-HR	Boundary Perimeter 30	P30			
650794	4076754	0.02082	228.75	0	24-HR	Boundary Perimeter 31	P31			
650754	4076683	0.02216	217.76	0	24-HR	Boundary Perimeter 32	P32			
650660	4076650	0.02369	221.2	0	24-HR	Boundary Perimeter 33	P33			
650561	4076650	0.02488	220.83	0	24-HR	Boundary Perimeter 34	P34			
650463	4076666	0.02558	223.42	0	24-HR	Boundary Perimeter 35	P35			
650364	4076682	0.026	222.46	0	24-HR	Boundary Perimeter 36	P36			
650264	4076683	0.02729	223.19	0	24-HR	Boundary Perimeter 37	P37			
650165	4076674	0.0292	222.1	0	24-HR	Boundary Perimeter 38	P38			
650066	4076660	0.03196	217.03	0	24-HR	Boundary Perimeter 39	P39			
648884	4077529	0.02004	214.25	0	24-HR	Boundary Perimeter 4	P4			
649980	4076627	0.0371	214.82	0	24-HR	Boundary Perimeter 40	P40			
649920	4076547	0.05578	214.91	0	24-HR	Boundary Perimeter 41	P41			
649852	4076474	0.0755	214.09	0	24-HR	Boundary Perimeter 42	P42			
649771	4076417	0.06984	211.53	0	24-HR	Boundary Perimeter 43	P43			
649680	4076375	0.1015	210.17	0	24-HR	Boundary Perimeter 44	P44			
649581	4076368	0.09761	208.52	0	24-HR	Boundary Perimeter 45	P45			
649482	4076384	0.1134	207.5	0	24-HR	Boundary Perimeter 46	P46			
649392	4076425	0.10338	205.17	0	24-HR	Boundary Perimeter 47	P47			
649304	4076472	0.02621	202.16	0	24-HR	Boundary Perimeter 48	P48			

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
649226	4076535	0.02293	196.38	0	24-HR	Boundary Perimeter 49	P49
648984	4077530	0.01901	221.41	0	24-HR	4-HR Boundary Perimeter 5	
649156	4076605	0.03192	195.87	0	24-HR	Boundary Perimeter 50	P50
649068	4076653	0.05821	196.32	0	24-HR	Boundary Perimeter 51	P51
648987	4076711	0.05815	192.42	0	24-HR	Boundary Perimeter 52	P52
648937	4076759	0.05074	192.46	0	24-HR	Boundary Perimeter 53	P53
648869	4076833	0.03842	191.63	0	24-HR	Boundary Perimeter 54	P54
648797	4076902	0.02928	186.32	0	24-HR	Boundary Perimeter 55	P55
648711	4076952	0.02623	179.81	0	24-HR	Boundary Perimeter 56	P56
648621	4076996	0.02453	176.23	0	24-HR	Boundary Perimeter 57	P57
648607	4077051	0.02263	175.02	0	24-HR	Boundary Perimeter 58	P58
648680	4077119	0.02869	180.62	0	24-HR	Boundary Perimeter 59	P59
649084	4077532	0.01467	216.54	0	24-HR	Boundary Perimeter 6	P6
648759	4077180	0.03157	183.47	0	24-HR	Boundary Perimeter 60	P60
648791	4077262	0.03113	202.88	0	24-HR	Boundary Perimeter 61	P61
648788	4077362	0.02249	178.21	0	24-HR	Boundary Perimeter 62	P62
648691	4077361	0.02506	176.25	0	24-HR	Boundary Perimeter 63	P63
648591	4077357	0.02559	176	0	24-HR	Boundary Perimeter 64	P64
648526	4077371	0.02488	175.24	0	24-HR	Boundary Perimeter 65	P65
648587	4077430	0.02389	175.13	0	24-HR	Boundary Perimeter 66	P66
649184	4077534	0.00846	230.71	0	24-HR	Boundary Perimeter 7	P7
649284	4077535	0.01984	248.08	0	24-HR	Boundary Perimeter 8	P8
649384	4077536	0.05491	258.43	0	24-HR	Boundary Perimeter 9	P9
645930	4077983	0.00802	127.38	0	24-HR	New Development	RP_G1
645930	4078083	0.0092	127.58	0	24-HR	New Development	RP_G10
646030	4078083	0.00993	130.56	0	24-HR	New Development	RP_G11
646130	4078083	0.01063	134.35	0	24-HR		
646230	4078083	0.01125	139.22	0	24-HR New Development		RP_G13
646330	4078083	0.01175	144.65	0	1		RP_G14
646430	4078083	0.01202	142.28	0	24-HR	±	
646530	4078083	0.01207	146.76	0	*		RP_G16
646630	4078083	0.01183	150.64	0	24-HR	New Development	RP_G17

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
646730	4078083	0.01131	155.4	0	24-HR	New Development	RP G18
645930	4078183	0.01015	127.22	0	24-HR	New Development	RP G19
646030	4077983	0.00875	131.21	0	24-HR	New Development	RP G2
646030	4078183	0.01072	130.56	0	24-HR	New Development	RP G20
646130	4078183	0.01117	133.89	0	24-HR	New Development	RP G21
646230	4078183	0.01148	140.45	0	24-HR	New Development	RP G22
646330	4078183	0.01159	146.94	0	24-HR	New Development	RP G23
646430	4078183	0.01144	140.23	0	24-HR	New Development	RP G24
646530	4078183	0.01105	147.25	0	24-HR	New Development	RP G25
646630	4078183	0.01042	151.56	0	24-HR	New Development	RP G26
646730	4078183	0.00958	157.78	0	24-HR	New Development	RP G27
645930	4078283	0.01064	126.06	0	24-HR	New Development	RP G28
646030	4078283	0.01094	129.56	0	24-HR	New Development	RP G29
646130	4077983	0.00954	135.89	0	24-HR	New Development	RP_G3
646130	4078283	0.01107	132.89	0	24-HR	New Development	RP_G30
646230	4078283	0.01101	139.24	0	24-HR	New Development	RP_G31
646330	4078283	0.01074	142.68	0	24-HR	New Development	RP_G32
646430	4078283	0.01024	140.02	0	24-HR	New Development	RP_G33
646530	4078283	0.00956	147.22	0	24-HR	New Development	RP_G34
646630	4078283	0.00871	151.56	0	24-HR	New Development	RP_G35
646730	4078283	0.00775	156.78	0	24-HR	New Development	RP_G36
646230	4077983	0.01035	139.18	0	24-HR	New Development	RP_G4
646330	4077983	0.01112	140.76	0	24-HR	New Development	RP_G5
646430	4077983	0.01179	143.89	0	24-HR	New Development	RP_G6
646530	4077983	0.01229	145.22	0	24-HR	New Development	RP_G7
646630	4077983	0.01256	147.21	0	24-HR	New Development	RP_G8
646730	4077983	0.01253	148.3	0	24-HR	New Development	RP_G9
648659	4077241	0.0346	205.79	0	24-HR	House 1	RP_H1
648071	4076116	0.00349	169.6	0	24-HR	House 10	RP_H10
648247	4076278	0.00399	184.55	0	24-HR	House 11	RP_H11
648027	4076255	0.00362	169.38	0	24-HR	House 12	RP_H12
648066	4076359	0.00374	173.83	0	24-HR	House 13	RP_H13

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X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648139	4076400	0.00397	178.22	0	24-HR	House 14	RP_H14
648255	4076411	0.00434	191.28	0	24-HR	House 15	RP_H15
647878	4076365	0.00345	165.39	0	24-HR	House 16	RP_H16
647520	4076206	0.003	159	0	24-HR	House 17	RP_H17
647921	4076247	0.00346	164	0	24-HR	House 18	RP_H18
647709	4076352	0.00324	163.52	0	24-HR	House 19	RP_H19
648372	4075470	0.00731	173.69	0	24-HR	House 2	RP_H2
647704	4076251	0.00319	162.17	0	24-HR	House 20	RP_H20
647719	4076104	0.00319	159.35	0	24-HR	House 21	RP_H21
647843	4076125	0.00333	163	0	24-HR	House 22	RP_H22
647842	4076500	0.00364	167.93	0	24-HR	House 23	RP_H23
647728	4076644	0.00442	164.15	0	24-HR	House 24	RP_H24
647824	4076644	0.00469	168.29	0	24-HR	House 25	RP_H25
647530	4076497	0.00329	159.56	0	24-HR	House 26	RP_H26
647810	4076854	0.01154	162.9	0	24-HR	House 27	RP_H27
647697	4076989	0.015	161.42	0	24-HR	House 28	RP_H28
648226	4076182	0.00381	183.22	0	24-HR	House 29	RP_H29
647678	4075969	0.00298	159.5	0	24-HR	House 3	RP_H3
645876	4077487	0.00575	127.13	0	24-HR	House 30	RP_H30
650902	4076062	0.02299	215.24	0	24-HR	House 31	RP_H31
651490	4076597	0.02104	205.5	0	24-HR	House 32	RP_H32
651565	4077067	0.01259	213.93	0	24-HR	House 33	RP_H33
648673	4075307	0.01039	225.91	0	24-HR	House 34	RP_H34
648384	4075469	0.00726	174.44	0	24-HR	House 35	RP_H35
646379	4077233	0.00633	146	0	24-HR	House 36	RP_H36
651850	4075865	0.01186	201.97	0	24-HR	House 37	RP_H37
652045	4076210	0.01899	196.88	0	24-HR	House 38	RP_H38
652256	4076391	0.01949	197.06	0	24-HR	House 39	RP_H39
647815	4075985	0.00306	162.04	0	24-HR	House 4	RP_H4
646854	4077373	0.0101	145.99	0	24-HR	House 40	RP_H40
647050	4077360	0.01148	145	0	24-HR	House 41	RP_H41
647286	4077474	0.01269	149.68	0	24-HR	House 42	RP_H42

09/29/21

* AERMET (21112): Future Flare (Ground Lvl) SO2 24-hr 2020

13:27:06

- * PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
647359	4077340	0.01406	154.45	0	24-HR	House 43	RP_H43
647490	4077329	0.01526	162.28	0	24-HR	House 44	RP_H44
647522	4077252	0.01607	164.3	0	24-HR	House 45	RP_H45
647518	4077139	0.01536	164.01	0	24-HR	House 46	RP_H46
646819	4077258	0.00917	151.53	0	24-HR	House 47	RP_H47
646779	4077128	0.00752	158.51	0	24-HR	House 48	RP_H48
646987	4077213	0.01001	146.44	0	24-HR	House 49	RP_H49
647898	4076033	0.0032	163.83	0	24-HR	House 5	RP_H5
647242	4077227	0.01266	154.85	0	24-HR	House 50	RP_H50
646773	4077063	0.00666	159	0	24-HR	House 51	RP_H51
647104	4077118	0.00984	148.99	0	24-HR	House 52	RP_H52
647292	4077123	0.01198	158.62	0	24-HR	House 53	RP_H53
646765	4076978	0.00554	158.67	0	24-HR	House 54	RP_H54
646996	4076984	0.00682	152.34	0	24-HR	House 55	RP_H55
647317	4077031	0.0105	160.22	0	24-HR	House 56	RP_H56
647398	4077013	0.01105	161.26	0	24-HR	House 57	RP_H57
646979	4076904	0.00555	156.81	0	24-HR	House 58	RP_H58
647015	4076807	0.00449	156.21	0	24-HR	House 59	RP_H59
648045	4076018	0.00344	168.26	0	24-HR	House 6	RP_H6
647164	4076802	0.00494	154.38	0	24-HR	House 60	RP_H60
647311	4076940	0.00838	162.49	0	24-HR	House 61	RP_H61
647298	4076805	0.00554	158	0	24-HR	House 62	RP_H62
647447	4076900	0.00861	159.45	0	24-HR	House 63	RP_H63
647464	4076781	0.00592	159.32	0	24-HR	House 64	RP_H64
647512	4076536	0.00332	159	0	24-HR	House 65	RP_H65
651131	4078767	0.00164	179.58	0	24-HR	House 66	RP_H66
647131	4077336	0.01209	146.77	0	24-HR	House 67	RP_H67
646798	4076740	0.0034	156.07	0	24-HR	House 68	RP_H68
646900	4076802	0.00411	159	0	24-HR	House 69	RP_H69
648126	4075955	0.00385	171.51	0	24-HR	House 7	RP_H7
647317	4076662	0.0037	159.9	0	24-HR	House 70	RP_H70
648249	4075970	0.00416	183.42	0	24-HR	House 8	RP_H8

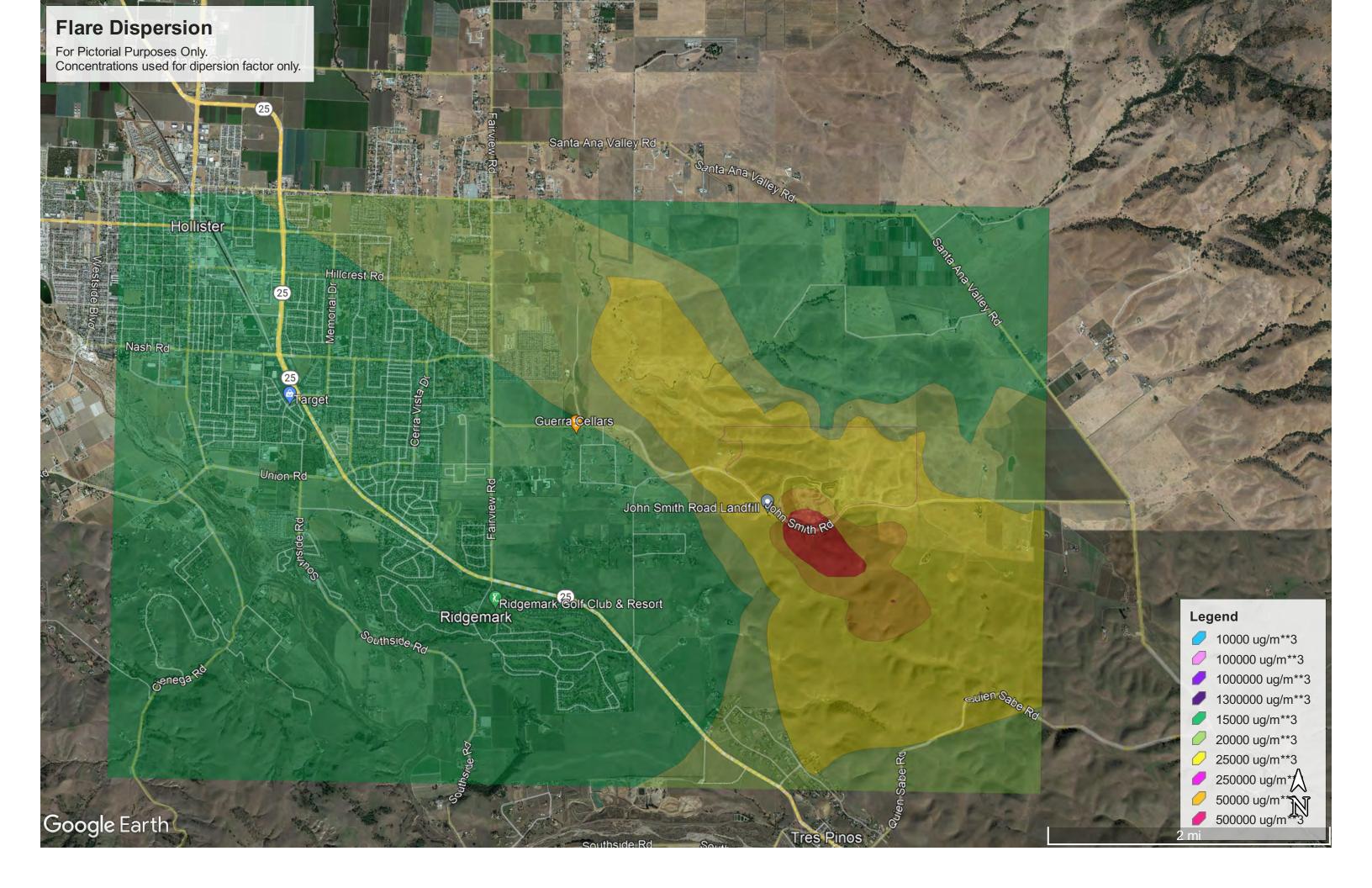
09/29/21

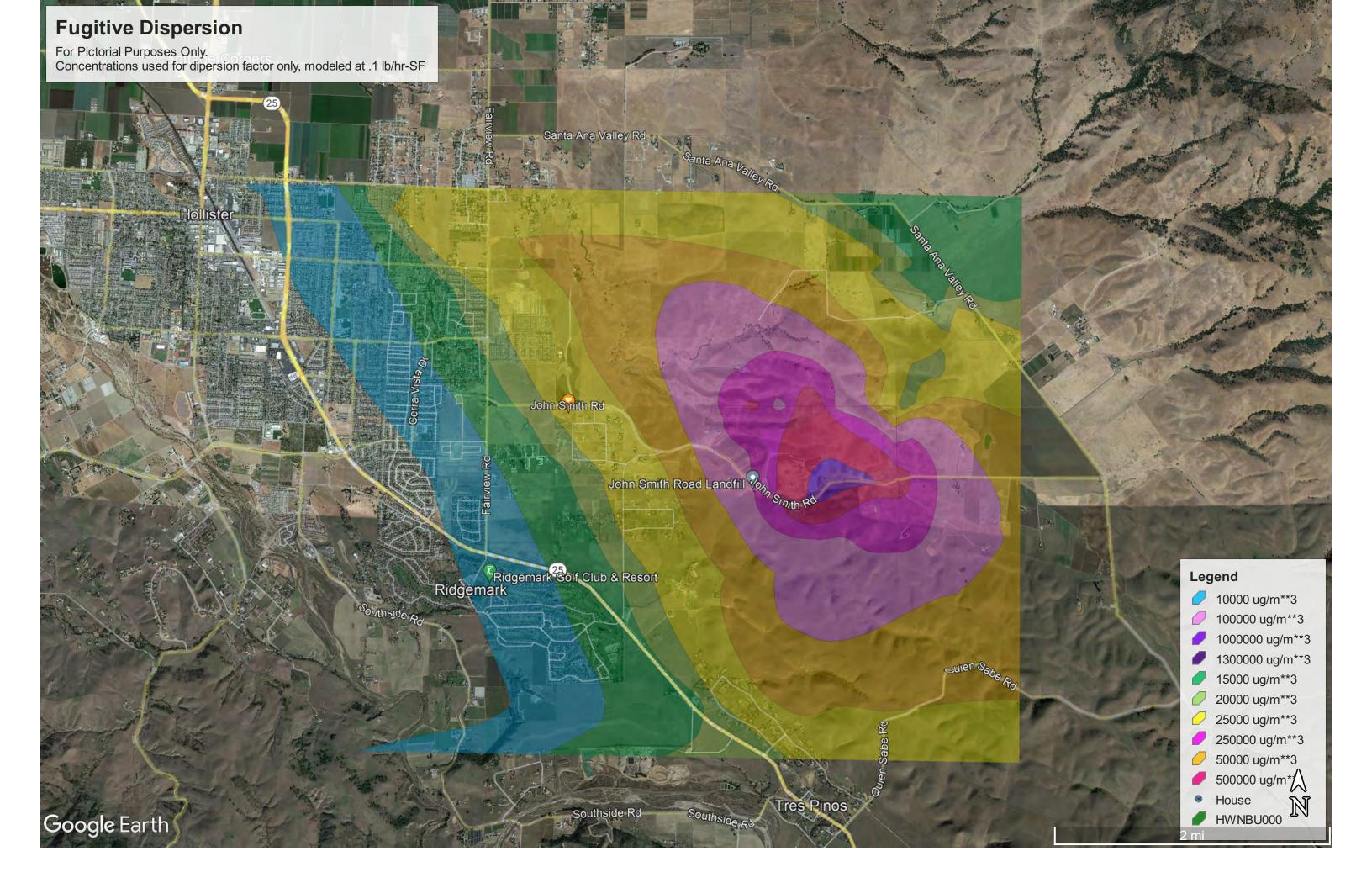
* AERMET (21112): Future Flare (Ground Lvl) SO2 24-hr 2020

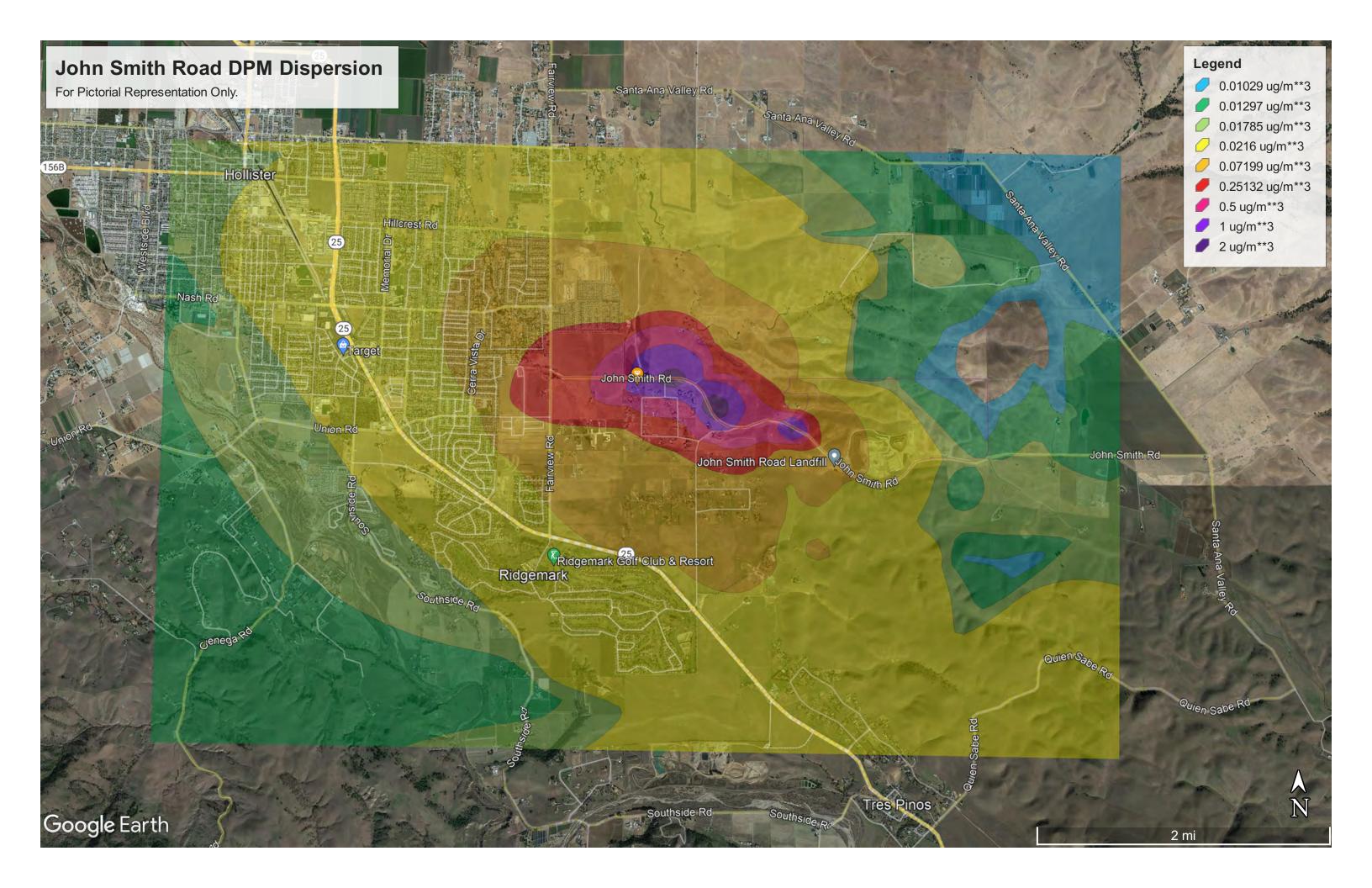
13:27:06

- * MODELING OPTIONS USED: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL ADJ_U*
- * PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL
- * FOR A TOTAL OF 289 RECEPTORS.
- * FORMAT: (A,1X,3(1X,F13.5),3(1X,F8.2),3X,A5,2X,A8,2X,A5,5X,A8,2X,I8)

X	Y	AVERAGE CONC	ZELEV	ZFLAG	AVE	Description	ID
648219	4076109	0.00371	182.28	0	24-HR	House 9	RP_H9







John Smith Road Landfill

Attachment R - Estimate of Long Term DPM Emissions

Table R-1 Summary - Average Life DPM

Project	DPM Total	Units
Entrance Area Project	6.92	lb/lifetime/item
29 module vonstruction projects	52.28	lb/lifetime/item
Four final closure projects	4.54	lb/lifetime/item
LFG Installaion	2.50	lb/lifetime/item
Operations	1,343.71	lb/lifetime/item
Total	1,409.94	lb/lifetime/item
Total/64 years	44.06	Total/yr
Total Divided by Surface Area / 365 / 24	4.57E-10	lb/hr/sf

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en		

Operating Life (form start of Project)	63	Years
Averaging Life	64	Years
Start Year	2023	
End year	2086	
In-County Only Years	2071-2086	
Operating Days per Year	361	Days
Percnt of PM2.5 that is DPM	8%	
Landfill Footprint Area	252.74	Acres

Entrance Duimensions

Excavation	230,000 CY
Structiral fill	230,000 CY
Entrance Excavation Area	24 Acres
Entrance Area Stockpile	6.00 Acres
Entrance Area Paving	4.00 Acres
Averaheg Haul Path	1,400 Feet

Modul Constrictin Dimensions

Modul Constrictin Dimensions	
Total Soil Excavation	11,538,000 CY
Soil excavated for waste burial before excavation	6,838,000 CY
Soil excavated for entrance	230,000 CY
Remainder	4,470,000 CY
Soil excavated per module project	154,138 CY
Soil for Structural Fill	1,329,000 CY
Structral Fill per Project	45,828 CY
Soil for Clay	217,000 CY
Clay per Project	7,483 CY
Soil for Operations Layer	436,000 CY
Operations per Project	15,034 CY
Gravel per project	7,483 CY
Pavement per project	7,510 SF
Average Haul Path (secenariois 2-3)	1,688 Ft, one way
Area	195.23 Acres
Projects	29 Each
Area/project	6.73 Acres
Prokects 2023 to 2045	11
Projects 2045 to 2087	18

Closure Dimensions

2,087,000 CY
253 Acres
4 Each
521,750 CY
63.25 Acres

Operations Dimensions

Average Paved Road Length (scenario 2 -5)	6,798 Ft, one way
Average Gravel Road Length (scenario 2-5)	829 Ft, one way
Average Unpaved Road Length (scenario 2-5)	825 Ft, one way

Table R-2 Entrance Area Project Work Days

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	Task	Week Days	Calendar Days	Production	Units
1.	Mobilization in which the contractor moves their equipment onto the site – a few days.	3	4.2		
2.	Clearing in which the contractor strips and stockpiles topsoil and grass – less than a week.	5	7		
3.	Bulk excavation in which the contractor commonly moves over 100,000 cubic yards of soil to a stockpile – one to two				
	months.	38.33	53.67	6,000	CY/WkDay
4.	Underground utilities & drainage, assume three weeks	15.00	21.00		
5.	Concrete (scale & scalhouse footings)	10.00	14.00		
6.	Base and Paving	7.00	9.80	1	Acre/WkDay each for base & paving
7.	Fencing	10.00	14.00		
8.	Building Placement	5.00	7.00		
9.	Erosion Control	12.90	18.06	2	Acre/WkDay
	Totals	106.23	148.73		
			4.89		Months

Table R-3 Module Construction Project Phases Work Days, per Project

	Task	Week Days	Calendar Days	Production	Units
1.	Mobilization in which the contractor moves their equipment onto the site – a few days.	3	4.2		
2.	Clearing in which the contractor strips and stockpiles topsoil and grass – less than a week.	5	7		
3.	Bulk excavation in which the contractor commonly moves over 100,000 cubic yards of soil to a stockpile - one to two				
	months.	25.69	35.97	6,000	CY/WkDay
4.	Structral fill concurrently with bulk excavation	11.46	16.04	4,000	CY/WkDay
5.	Concurrently with bulk excavation, the contractor screens some of the excavated soil for use in the liner components.				
		30.07	42.10	500	CY/WkDay
6.	Clay liner installation – a week or two.	14.97	20.95	500	CY/WkDay
7.	Geocomposite clay liner - a week.	5.33	7.46	55,000	SF./dy
8.	Geomembrane liner - a week.	5.33	7.46	55,000	SF/dy (5 rolls/day)
9.	Leachate collection piping, gravel leachate drainage layer, and geotextile separator fabric – two weeks.	14.97	20.95	500	CY/WkDay
10.	Soil operation layer installation.	15.03	21.05	1,000	
11.	Base and Paving (concrrently with erosion control)	3.76	5.26	4,000	SF/Day x 2
12.	Draiange installation (concurrently with erosion control)	6.73	9.42		
13.	Erosion Control	6.73	9.42	2	Acre/Day
	Totals exceluding concurrent constriction	126.12	176.57		
			5.84	Months	

Table R-4 Closure Cap Work Days, per Project

	Task	Week Days	Calendar Days	Production	Units
1.	Mobilization in which the contractor moves their equipment onto the site – a few days.	3	4.20		
2.	Clearing in which the contractor strips and stockpiles topsoil and grass – less than a week.	5	7.00		
3.	Temorarily remove LFG piping	10	14.00		
4.	Bulk excavation in which the contractor commonly moves over 100,000 cubic yards of soil to a stockpile – one to two	52.18	73.05	10,000	CY/WkDay
5.	Drainage Installation	10.00	14.00		
6.	Reinstall LFG piping	10.00	14.00		
7.	Erosion Control (capping area x 1.25), Assume 2 crews	19.77	27.67	4	Acres/WkDay
	Total	109.94	153.92		
			5.06	Months	

Table R5 - LFG Installation Work Days (lifetime)

	Task						Units
Mobilization in which the contractor moves their							
				195	273.00		
Vertuical Well Drilling, well per two acres	98	each		98	137.20	1	well/wkdy
Horizontal Collectors, collector per two acres	98	each		98	137.20	1	well/wkdy
 Piping , assume one days per well or collector 	196	days		196.00	274.40	1	Day/well
			Total	587.00	821.80		Days Totals
			Years	64.00	64.00		
			Days/year	9.17	12.84		Days per year

JSRL DEIR Appendix B
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Entrance

Table R6 - On-Road Support Vehicles Entrance Construction

Vehicle Properties	Vehicle Properties									
On-Road Vehicles	Vehicle Category	Miles 2023 - 2045	Miles 2045 to 2087	Load Factor ⁵	NA	NA	2025 Exhaust Emissions Factor PM2.5 (g/mile)	2025 Exhaust Emissions PM2.5 (lbs/project)	2050 Exhaust Emissions Factor PM2.5 (g/mile)	40% of 2045 to 2087 Exhaust Emissions PM2.5 (lbs/day)
Ford Mechanic Truck (DSL)	LHD1	340	0	1			3.19E-02	0.024	7.06E-03	0.000
Ford F450 Flat Bed (DSL)	LHD2	340	0	1			2.84E-02	0.021	1.70E-02	0.000
Water Truck (DSL) ¹	T6 CAIRP heavy	10,883	0	1			1.42E-02	0.340	7.60E-04	0.000
Support Light Heavy Duty Trucks (2, DSL)	LHD1	680	0	1			3.19E-02	0.048	1.74E-02	0.000
Tractor Trailer Delivery (DSL) (inc, concerete & base)	T7 CAIRP	112	0	1			1.78E-02	0.004	2.19E-02	0.000
Carpool Vehicles (2, Gas)	LDT1	352	0	1			NA	0.000	4.81E-03	0.000
							Total 2023-2045	0.437	Total 2026-2087	0.000
							DPM	3.50E-02		0.00E+00

Table R7 - Emissions from Off-Road Vehicles Entrance Construction

Assuming 2020 Model Year or Better

Vehicle Properties	Vehicle Properties								Air Quality Emission Factors and Calculations	
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/ Model/ Fuel	Model Year (motor)	HP	Load Factor	Operating Hours per Day	Days of Operation	Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Emissions PM2.5 (lbs/project) ⁹	
Dozer	Crawler Tractors	Caterpillar D8T Diesel	2020	310	0.43	8	43.33	0.130	13.24	
Dozer (Stockpile Area)	Crawler Tractors	Caterpillar D6R Diesel	2020	140	0.43	8	38.33	0.250	10.18	
Grader for roads	Graders	Caterpillar 140G Diesel	2020	150	0.41	8	18.72	0.284	5.77	
Loader for Mic. Work	Rubber Tired Loaders	Caterpillar 938M Diesel	2020	190	0.36	8	42.00	0.104	5.27	
Pad-Foot Compactor - Structural Fill	Rollers	Caterpillar 826C Diesel	2020	341	0.38	9	38.33	0.101	9.95	
Smooth Drum Roller Pavment & Base	Rollers	Caterpillar CS34 Diesel	2020	74	0.38	8	7.00	0.228	0.79	
Backhoe for underground	Tractors/Loaders/ Backhoes	Caterpillar 426C Diesel	2020	88	0.37	6	25.69	0.193	2.14	
Excavator for bulk excavation (2)	Excavators	John Deere 350 Diesel	2020	271	0.38	18	25.69	0.048	5.04	
Extended Loader for buildings	Tractors/Loaders/ Backhoes	JCB 20TC	2020	74	0.37	2	5.00	0.193	0.12	
Off-Road Dump/haul truck (3)	Off-Highway Trucks	Caterpillar 740 diesel	2020	453	0.38	27	38.33	0.079	31.03	
Crane	Cranes		2020	0.274	0.29	2	2	0.274	0.00	
Paving Mahine	Paving Equipment		2020	175	0.36	8	3.5	0.118	0.46	
Hydroseeder	Other		2020	200	0.42	8	12.90	0.106	2.03	
								Total	86.01	
								DPM	6.88	

MODULE CONSTRUCTION

Table R8 - On-Road Module Construction Support Vehicles

	Vehicle Propertie	s					Air Quality Emission	n Factors and Calcul	ations	
On-Road Vehicles	Vehicle Category	Miles 2023 - 2045	Miles 2045 to 2087	Load Factor ⁵		2045 Exhaust Emissions Factor PM2.5 (g/mile)	2023 to 2045 Acerage Exhaust Emissions Factor PM2.5 (g/mile)	2023 to 2045 Exhaust Emissions PM2.5 (lbs/day) ⁸	2050 Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	40% of 2045 to 2087 Exhaust Emissions PM2.5 (lbs/day) ⁸
Ford Mechanic Truck (DSL)	LHD1	4,442	7,268	1	3.45E-02	8.68E-03	2.16E-02	0.212	7.06E-03	0.045
Ford F450 Flat Bed (DSL)	LHD2	4,442	7,268	1	2.94E-02	1.83E-02	2.39E-02	0.234	1.70E-02	0.109
Water Truck (DSL) ¹	T6 CAIRP heavy	142,129	232,574	1	1.29E-02	1.99E-02	1.64E-02	5.135	7.60E-04	0.156
Support Light Heavy Duty Trucks (2, DSL)	LHD1	8,883	14,536	1	3.45E-02	8.68E-03	2.16E-02	0.423	1.74E-02	0.223
Tractor Trailer Delivery (DSL)	T7 CAIRP	903	1,477	1	2.99E-02	2.68E-02	2.83E-02	0.056	2.19E-02	0.029
Carpool Vehicles (2, Gas)	LDT1	903	1,477	1	NA			0.000	4.81E-03	0.006
	·		_				Total 2023-2045	6.060	Total 2026-2087	0.568
							DPM	4.85E-01	_	4.54E-02

Table R9 - Emissions from Off-Road Vehicles Module Construction

CalEEMode Table 4.3 goes up to 2040

Vehicle Properties									A	ir Quality Emission	Factors and Calculations		
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/ Model/ Fuel	Model Year (motor)	НР	Load Factor	Operating Hours per Day	Days of Operation	2020 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	2040 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Avrrage 2020 - 2045 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	2023 - 2045 Average Emissions PM2.5 (lbs/11 projects) ⁹	40% of 2046-2086 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	40% of 2046-2086 Emissions PM2.5 (lbs/18 projects) ⁹
Dozer, LGP, Gravel & Ops	Crawler Tractors	Caterpillar D6W Diesel		140	0.43	8	30.00	0.130	0.032	0.081	28.38	0.032	7.34
Dozer	Crawler Tractors	Caterpillar D8T Diesel		310	0.43	8	25.69	0.130	0.074	0.102	67.77	0.074	32.18
Dozer (Stockpile Area)	Crawler Tractors	Caterpillar D6R Diesel		140	0.43	8	25.69	0.130	0.032	0.081	24.30	0.032	6.28
Grader for roads	Graders	Caterpillar 140G Diesel		150	0.41	8	19.97	0.130	0.017	0.074	17.51	0.017	2.65
Loader for Mic. Work	Rubber Tired Loaders	Caterpillar 938M Diesel		190	0.36	8	30.07	0.130	0.013	0.072	28.53	0.013	3.40
Pad-Foot Compactor - Structural Fill	Rollers	Caterpillar 826C Diesel		341	0.38	9	11.46	0.130	0.012	0.071	23.01	0.012	2.55
Smooth Drum Roller Pavment & Base	Rollers	Caterpillar CS34 Diesel		74	0.38	8	9.09	0.130	0.021	0.076	3.74	0.021	0.68
Backhoe for underground	Tractors/Loaders/ Backhoes	Caterpillar 426C Diesel		88	0.37	6	6.73	0.130	0.016	0.073	2.33	0.016	0.33
Excavator for bulk excavation (2)	Excavators	John Deere 350 Diesel		271	0.38	18	25.69	0.130	0.011	0.071	81.41	0.011	8.31
Extended Loader for linber	Tractors/Loaders/ Backhoes	JCB 20TC		74	0.37	2	10.66	0.130	0.016	0.073	1.03	0.016	0.15
Off-Road Dump/haul truck (3)	Off-Highway Trucks	Caterpillar 740 diesel		453	0.38	27	25.69	0.130	0.012	0.071	205.58	0.012	22.74
Crane	Cranes			175	0.29	2	0	0.130	0.016	0.073	0.00	0.016	0.00
Paving Mahine	Paving Equipment			175	0.36	8	97.5	0.130	0.024	0.077	91.76	0.024	18.72
Screening Plant	Other			175	0.43		30.07	0.130	0.011	0.071	0.00	0.011	0.00
Hydroseeder	Other			200	0.42	8	6.73	0.130	0.011	0.071	7.73	0.011	0.79
Totals		·								Total 2023-2045	554.71	Total 2046-2086	98.79
										DPM	44.38	DPM	7.90

CLOSURE CAP

Table R10 - On-Road Closure Cap Constrcuton Support Vehicles

Assum same as module contruction project on a per closure project basis.

	Vehicle Propertie	S					Air Quality Emissio	n Factors and Calcul	ations	
On-Road Vehicles	Vehicle Category	Miles 2023 - 2045	Miles 2045 to 2087	Load Factor		2045 Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	2023 to 2045 Average Emissions Factor PM2.5 (g/mile) ¹⁰	2023 to 2045 Exhaust Emissions PM2.5 (lbs/day) ⁸	2050 Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	40% of 2046 to 2086 Exhaust Emissions PM2.5 (lbs/day) ⁸
Ford Mechanic Truck (DSL)	LHD1	404	1,211	1	3.45E-02	8.68E-03	2.16E-02	0.019	7.06E-03	0.008
Ford F450 Flat Bed (DSL)	LHD2	404	1,211	1	2.94E-02	1.83E-02	2.39E-02	0.021	1.70E-02	0.018
Water Truck (DSL) ¹	T6 CAIRP heavy	1,175	6,460	1	1.29E-02	1.99E-02	1.64E-02	0.042	7.60E-04	0.004
Support Light Heavy Duty Trucks (2, DSL)	LHD1	73	404	1	3.45E-02	8.68E-03	2.16E-02	0.003	1.74E-02	0.006
Tractor Trailer Delivery (DSL)	T7 CAIRP	48	195	1	2.99E-02	2.68E-02	2.83E-02	0.003	2.19E-02	0.004
Carpool Vehicles (2, Gas)	LDT1	48	585	1	NA					
							Total 2023-2045	0.089	Total 2026-2087	0.040
							DPM	7.15E-03		3.20E-03

Table Q4 - Emissions from Off-Road Vehicles Closure Construction

CalEEMode Table 4.3 goes up to 2040

		Vehicle Prope	rties						Ai	r Quality Emission I	Factors and Calculations		
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/ Model/ Fuel	Model Year (motor)	НР	Load Factor	Operating Hours per Day	Days of Operation per Project	2020 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	2040 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Avrrage 2020 - 2040 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	2023 - 2045 Average Emissions PM2.5 (lbs/ 1 project) ⁹	2040 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	2046-2087 Emissions PM2.5 (lbs/3 projects) ⁹
Dozer, LGP, soil spreading	Crawler Tractors	Caterpillar D6W Diesel		140	0.43	8	52.18	0.130	0.032	0.081	4.49	0.032	2.84
Dozer	Crawler Tractors	Caterpillar D8T Diesel		310	0.43	8	52.18	0.130	0.074	0.102	12.51	0.074	14.52
Dozer - Not Used	Crawler Tractors	Caterpillar D6R Diesel		140	0.43	8	52.18	0.130	0.032	0.081	4.49	0.032	2.84
Grader for roads and smothe top grading	Graders	Caterpillar 140G Diesel		150	0.41	8	57.18	0.130	0.017	0.074	4.56	0.017	1.69
Loader for Mic. Work	Rubber Tired Loaders	Caterpillar 938M Diesel		190	0.36	8	101.94	0.130	0.013	0.072	8.79	0.013	2.56
Pad-Foot Compactor - Not used for ET Cap	Rollers	Caterpillar 826C Diesel		341	0.38	9	0.00	0.130	0.012	0.071	0.00	0.012	0.00
Smooth Drum Roller Pavment & Base	Rollers	Caterpillar CS34 Diesel		74	0.38	8	0.00	0.130	0.275	0.203	0.00	0.275	0.00
Backhoe for LFG lines	Tractors/Loaders/ Backhoes	Caterpillar 426C Diesel		88	0.37	6	49.77	0.130	0.016	0.073	1.56	0.016	0.55
Excavator for bulk excavation (0)	Excavators	John Deere 350 Diesel		271	0.38	18	0.00	0.130	0.011	0.071	0.00	0.011	0.00
Extended Loader for liner	Tractors/Loaders/ Backhoes	JCB 20TC		74	0.37	2	0.00	0.130	0.016	0.073	0.00	0.016	0.00
Off-Road Dump/haul truck (0) - assume scrapers	Off-Highway Trucks	Caterpillar 740 diesel		453	0.38	27	0.00	0.130	0.012	0.071	0.00	0.012	0.00
Scrapers (4)	Scrapers			850		48	52.18				0.00		0.00
Crane - Not used	Cranes			175	0.29	2	0	0.130	0.016	0.073	0.00	0.016	0.00
Paving Machine - Assume already paved	Paving Equipment			175	0.36	8	0	0.130	0.024	0.077	0.00	0.024	0.00
Screening Plant - Not Usesd	Other			175	0.43	0	0.00	0.130	0.011	0.071	0.00	0.011	0.00
Hydroseeder	Other			200	0.42	8	19.77	0.130	0.011	0.071	2.06	0.011	0.52
Totals										Total 2023-2045	33.98	Total 2046-2087	22.67
										DPM		DPM	

LFG INSTALLATIONS

Table R11 - On-Road LFG Construction Support Vehicles

	Vehicle Properties	s					Air Quality Emissio	n Factors and Calcul	ations	
On-Road Vehicles	Vehicle Category	Miles 2023 - 2045	Miles 2045 to 2087	Load Factor		2045 Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Emissions Factor	2023 to 2045 Exhaust Emissions PM2.5 (lbs/day) ⁸	2050 Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	40% of 2045 to 2087 Exhaust Emissions PM2.5 (lbs/day) ⁸
Ford Mechanic Truck (DSL)	LHD1	646	1,233	1	3.45E-02	8.68E-03	2.16E-02	0.031	7.06E-03	0.008
Ford F450 Flat Bed (DSL)	LHD2	646	1,233	1	2.94E-02	1.83E-02	2.39E-02	0.034	1.70E-02	0.019
Water Truck (DSL) ¹	T6 CAIRP heavy	0	0	1	1.29E-02	1.99E-02	1.64E-02	0.000	7.60E-04	0.000
Support Light Heavy Duty Trucks (2, DSL)	LHD1	646	1,233	1	3.45E-02	8.68E-03	2.16E-02	0.031	1.74E-02	0.019
Tractor Trailer Delivery (DSL)	T7 CAIRP	646	1,233	1	2.99E-02	2.68E-02	2.83E-02	0.040	2.19E-02	0.024
Carpool Vehicles (2, Gas)	LDT1	646	1,233	1	NA				·	
							Total 2023-2045	0.136	Total 2026-2086	0.069
							DPM	1.09E-02	DPM	5.51E-03

Table R12 - Emissions from Off-Road Vehicles LFG Installation

CalEEMode Table 4.3 goes up to 2040

		Vehicle Propo	erties						A	ir Quality Emission	Factors and Calculations	i	
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/ Model/ Fuel	Model Year (motor)	НР	Load Factor	Operating Hours per Day	Days of Operation per Project	2020 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	2040 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	Avrrage 2020 - 2040 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	2023 - 2045 Average Emissions PM2.5 (lbs/ 22 projects) ⁹		2045 - 2086 Emissions PM2.: (lbs/ 41 projects)
Loader for Mic. Work	Rubber Tired Loaders	Caterpillar 938M Diesel	NA	190	0.36	2	9.17	0.130	0.013	0.072	4.35	0.013	0.59
Backhoe for LFG lines	Tractors/Loaders/ Backhoes	Caterpillar 426C Diesel	NA	88	0.37	4	9.17	0.130	0.016	0.073	4.23	0.016	0.69
Excavator for Well Installation	Excavators	John Deere 350 Diesel	NA	271	0.38	2	9.17	0.130	0.011	0.071	6.46	0.011	0.75
Well Drilling Machine	Bore/Drill Rigs		NA	500	0.5	8	4.59	0.038	0.010	0.024	10.68	0.010	3.32
Totals				_	_					Total 2023-2045	25.72	Total 2046-2086	5.35
										DDM	2.06	DDM	0.43

OPERATIONS

Table R12 - Emissions from On-Road Support and Waste Dleivery Vehicles for Operations

	Vehicle P	roperties						Air Quality Emissi	on Factors and Calculat	ions	
On-Road Vehicles	Vehicle Category	Miles 2023 - 2045	Miles 2046 to 2070	Miles 2072 to 2086 (in County)	Load Factor	2023 Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	2045 Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	2023 to 2045 Average Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	2023 to 2045 Exhaust Emissions PM2.5 (lbs/day) ⁸	2050 Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	40% of 2045 to 2086 Exhaust Emissions PM2.5 (lbs/day) ⁸
Support											
Ford Mechanic Truck (DSL) 2010	LHD1	158,840	180,500	108,300	1	3.45E-02	8.68E-03	2.16E-02	7.566	7.06E-03	1.797
Fuel Truck (DSL) 2010	LHD2	79,420	90,250	54,150	1	2.94E-02	1.83E-02	2.39E-02	4.182	1.70E-02	2.169
Roll-Off Truck (DSL) 2010	T7 CAIRP	158,840	180,500	108,300	1	2.68E-02	2.83E-02	2.76E-02	9.656	7.60E-04	0.194
Water Truck, (DSL) 2010	T7 CAIRP	397,100	451,250	270,750	1	2.68E-02	2.83E-02	2.76E-02	24.140	1.74E-02	11.056
Water Truck DSL (Backup), 2006	T6 CAIRP Heavy	397,100	451,250	270,750	1	1.99E-02	1.64E-02	1.82E-02	15.891	2.19E-02	13.945
Waste Delivery											
In-County Commercial Diesel ¹¹	T7-SWCV (Dsl)	696,176	791,109	62,200	1	0.018	0.017	1.76E-02	27.087	1.76E-02	13.280
Out of County Commercial ¹²	Heavy-Heavy Duty Trucks (T7 CAIRP - Dsl)	2,415,511	2,744,899	0	1	1.99E-02	1.64E-02	1.82E-02	96.663	1.74E-02	42.034
			•					Total 2023-2045	185.18	Total 2046-2086	84.47

Table R13 - Emissions from Off-Road Vehicles for Operations

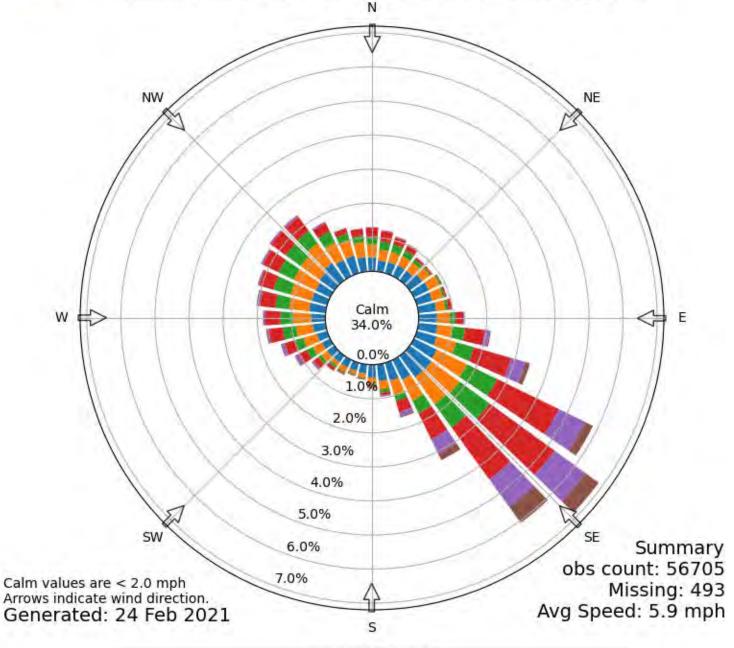
		Vehicle Prope	rties					Operatio	on Properties		Air Q	uality Emission Factor	s and Calculations		
Off-Road Equipment	Off-Road Equipment Equivalent ¹	Manufacturer/Model/ Fuel ²	Model Year (motor)	HP ³	Miles Per Day	Tier ⁴	Load Factor ⁵	Average Hours Day ⁶	Days of Operation/Year ⁶	2020 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	2040 Emissions Factor PM2.5 (g/bhp-hr) ¹¹	DM2.5 (a/bbp. bu)11	2023 - 2045 Average Emissions PM2.5 (lbs/ 22 yrs)		2045- 2086 Emissions PM2.5 (lbs/ yrs) ⁹
Dozer (Mainline)	Crawler Tractors	Caterpillar D6T LGP	2025	255	10	4 (Final)	0.43	8	361	0.130	0.032	0.081	1244.08	0.074	847.26
Dozer (Mainline)	Crawler Tractors	Caterpillar D8T Diesel	2025	310	10	4 (Final)	0.43	8	361	0.130	0.074	0.102	1904.52	0.074	1030.00
Dozer (Support)	Crawler Tractors	Caterpillar D6R Diesel	2025	200	3	4 (Final)	0.43	2	361	0.130	0.032	0.081	243.94	0.088	197.56
Grader	Graders	Caterpillar 140G Diesel	2025	150	6	4 (Final)	0.41	2	361	0.130	0.017	0.074	158.29	0.140	224.76
Loader	Rubber Tired Loaders	Caterpillar 938M Diesel	2025	182	5	4 (Final)	0.36	2	361	0.130	0.013	0.072	164.05	0.104	177.88
Compactor	Rollers	Caterpillar 826K Diesel	2025	426	9	4 (Final)	0.38	8	361	0.130	0.012	0.071	1609.93	0.083	1402.96
Compactor	Rollers	Caterpillar 826K Diesel	2025	426	5	4 (Final)	0.38	4	361	0.130	0.153	0.142	1604.26	0.083	701.48
Backhoe	Tractors/Loaders/Backho	Caterpillar 426C Diesel	2025	81.8	0	4 (Final)	0.37	2	361	0.130	0.016	0.073	77.37	0.079	62.42
Excavator	Excavators	John Deere 350 Diesel	2025	283	0	4 (Final)	0.38	6	361	0.130	0.011	0.071	796.48	0.024	202.12
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2025	380	22	4 (Final)	0.38	8	361	0.130	0.016	0.073	1476.54	0.035	527.73
Dump/Haul Truck	Off-Highway Trucks	John Deere 350 Diesel	2025	380	11	4 (Final)	0.38	4	361	0.130	0.012	0.071	718.04	0.035	263.86
Truck Tipper	Other Construction Equipment	Columbia	2025	156	NA	4 (Final)	0.42	8	361	0.200	0.011	0.106	968.23	0.103	704.67
Street Sweeper	Other Construction Equipment	Elgin 2019	2025	74	NA	4 (Final)	0.42	4	361	0.130	0.016	0.073	158.90	0.187	303.44
										-8	•	Total 2023-2045	9,880.54	Total 2046-2086	6,646.14
												DPM	790.44	DPM	531.69



[CVH] Hollister

Windrose Plot [Time Domain: Jan,]

Time Bounds: 01 Jan 1973 12:00 AM - 31 Jan 2021 11:55 PM America/Los_Angeles



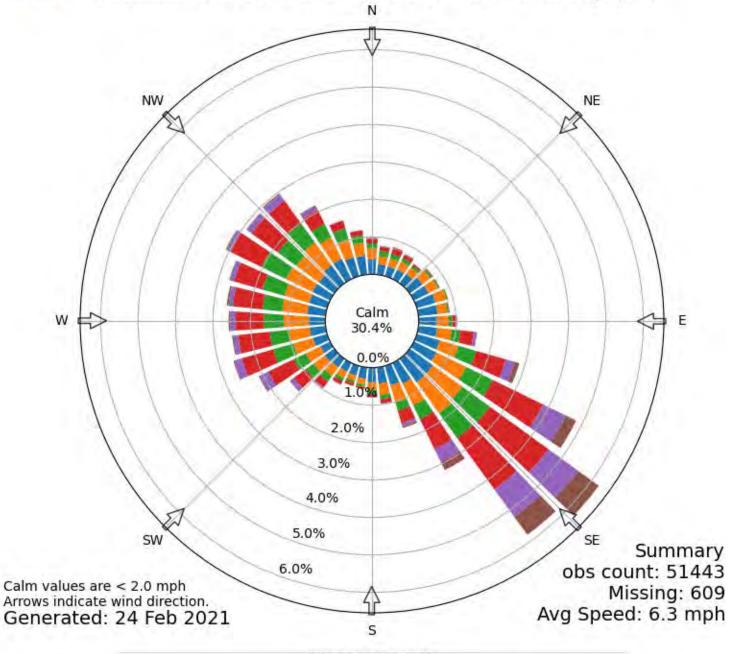




[CVH] Hollister

Windrose Plot [Time Domain: Feb,]

Time Bounds: 01 Feb 1973 12:00 AM - 24 Feb 2021 12:35 AM America/Los_Angeles



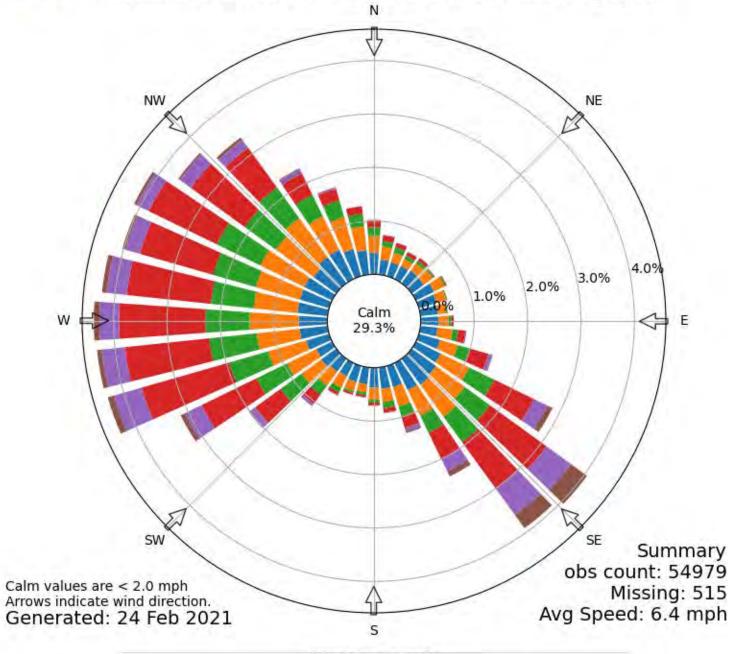
Wind Speed [mph]

5-7 7-10 10-15 15-20 20+



Windrose Plot [Time Domain: Mar,]

Time Bounds: 01 Mar 1973 12:00 AM - 31 Mar 2020 11:55 PM America/Los_Angeles



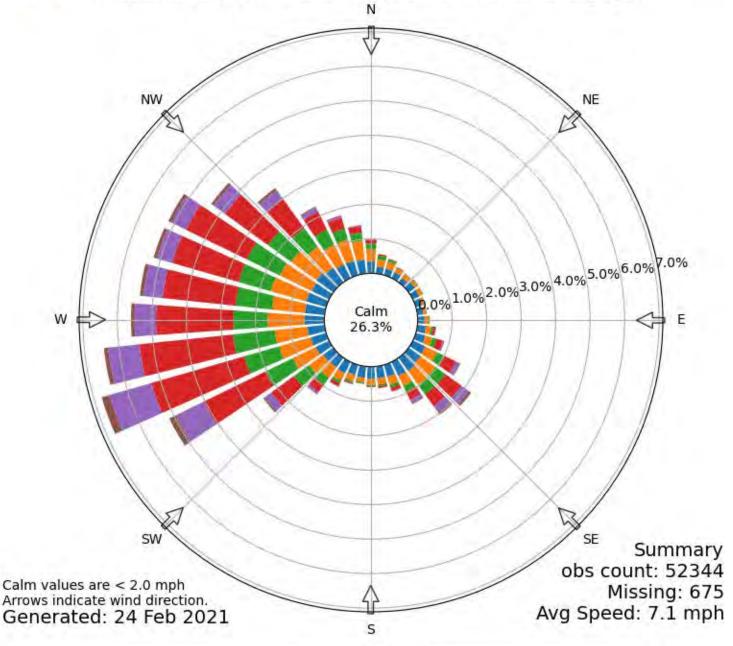
Wind Speed [mph]

5-7 7 7-10 10-15 15-20 20+



Windrose Plot [Time Domain: Apr,]

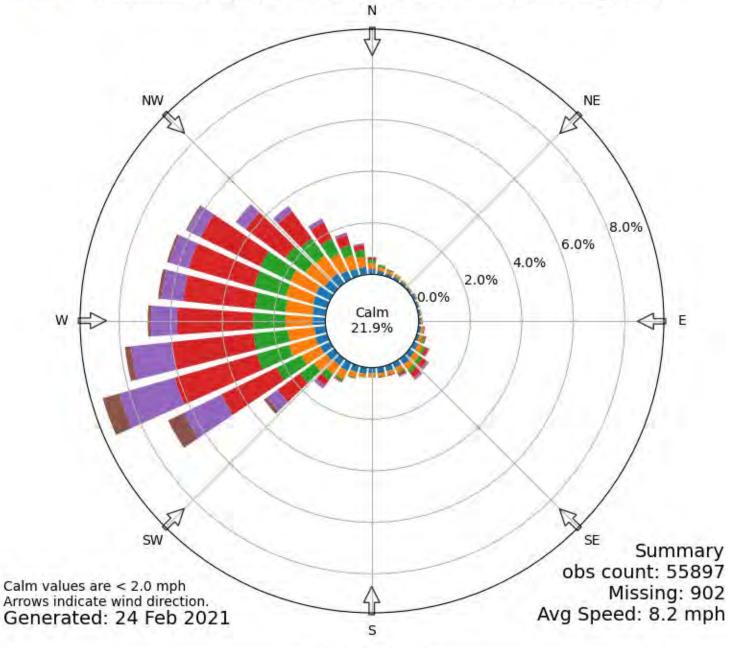
Time Bounds: 01 Apr 1973 12:00 AM - 30 Apr 2020 11:55 PM America/Los_Angeles







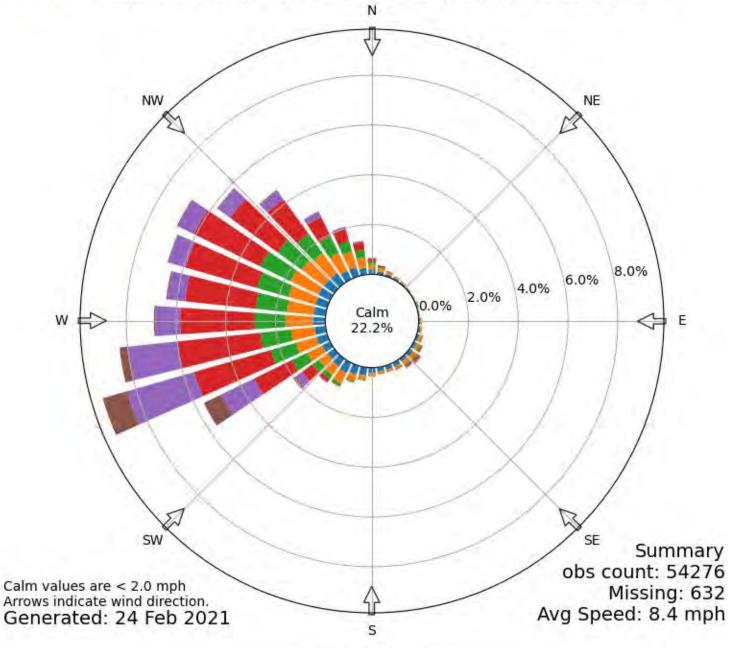
Windrose Plot [Time Domain: May,] Time Bounds: 01 May 1973 12:00 AM - 31 May 2020 11:55 PM America/Los_Angeles







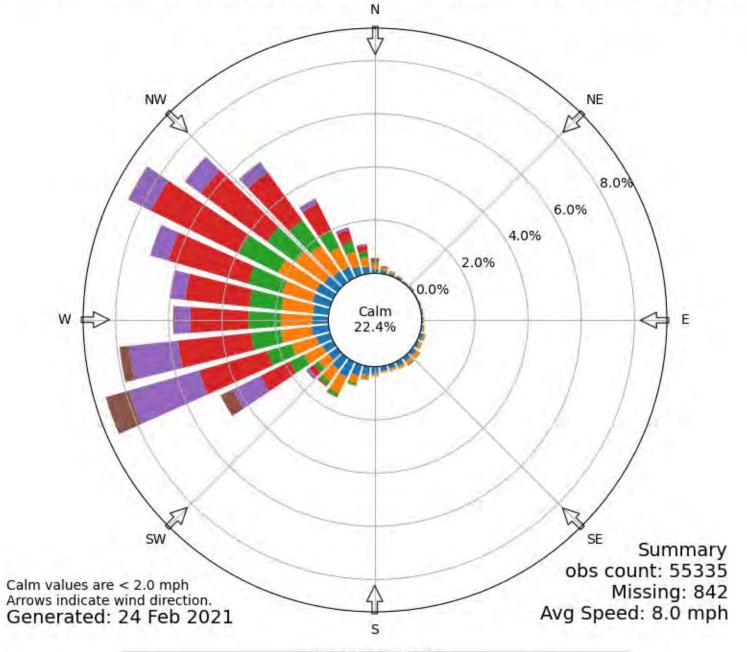
Windrose Plot [Time Domain: Jun,] Time Bounds: 01 Jun 1973 12:00 AM - 30 Jun 2020 11:55 PM America/Los_Angeles







Windrose Plot [Time Domain: Jul,] Time Bounds: 01 Jul 1973 12:00 AM - 31 Jul 2020 11:55 PM America/Los_Angeles



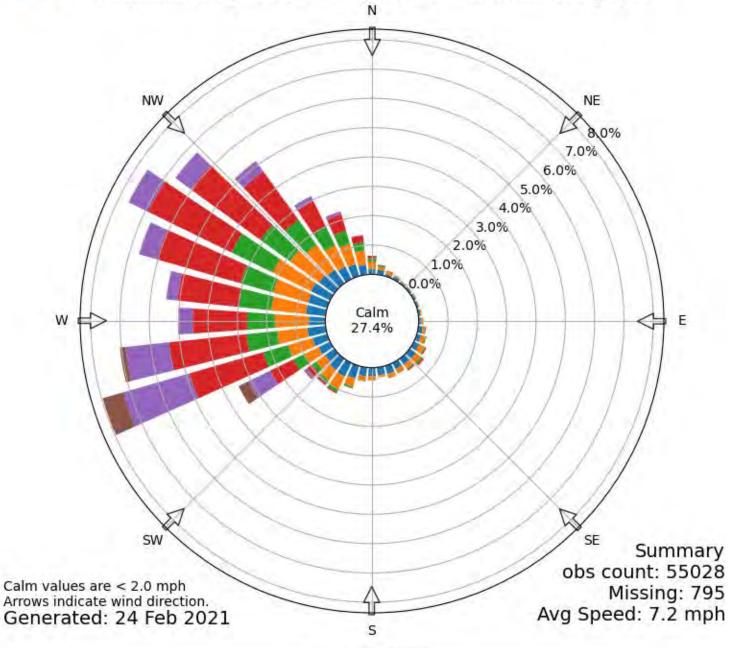
Wind Speed [mph]

5-7 7-10 10-15 15-20 20+



Windrose Plot [Time Domain: Aug,]

Time Bounds: 01 Aug 1973 12:00 AM - 31 Aug 2020 11:55 PM America/Los_Angeles



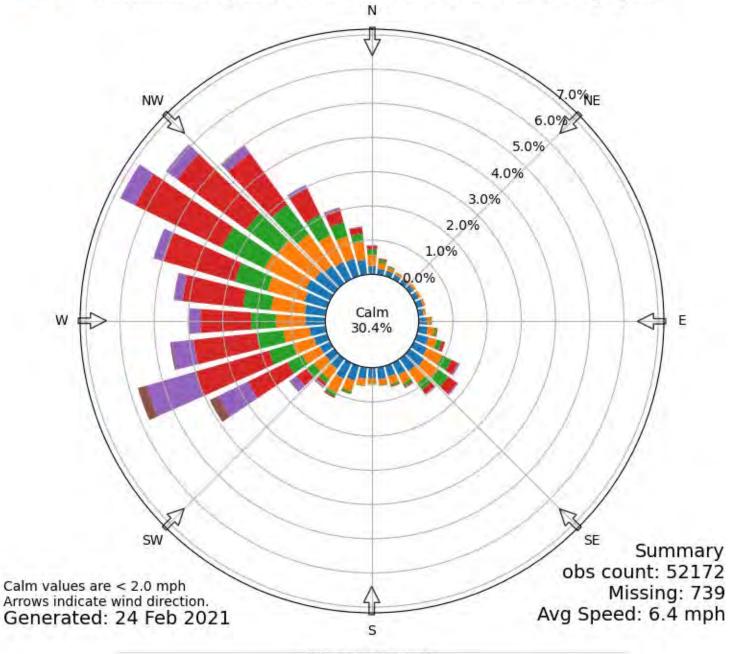
Wind Speed [mph]

■ 5-7 ■■ 7-10 ■■ 10-15 ■■ 15-20 ■■ 20+



Windrose Plot [Time Domain: Sep,]

Time Bounds: 01 Sep 1973 12:00 AM - 30 Sep 2020 11:55 PM America/Los_Angeles



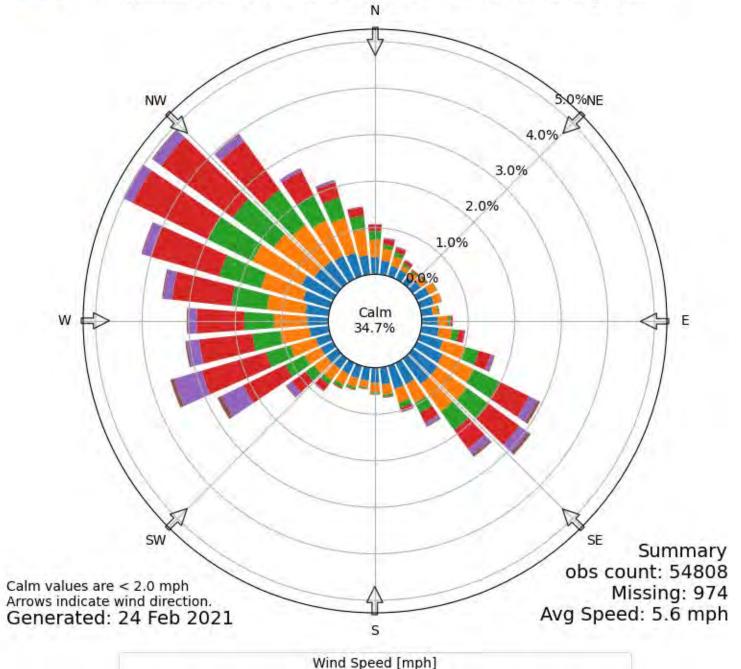
Wind Speed [mph]

5-7 7-10 10-15 15-20 20+



Windrose Plot [Time Domain: Oct,]

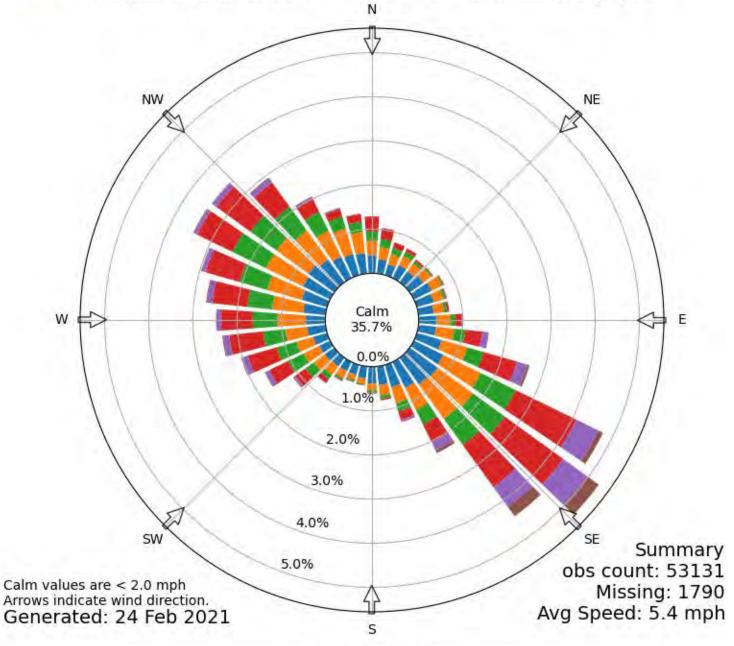
Time Bounds: 01 Oct 1973 12:00 AM - 31 Oct 2020 11:55 PM America/Los_Angeles



5-7 7-10 10-15 15-20 20+



Windrose Plot [Time Domain: Nov,] Time Bounds: 01 Nov 1973 12:00 AM - 30 Nov 2020 11:55 PM America/Los_Angeles

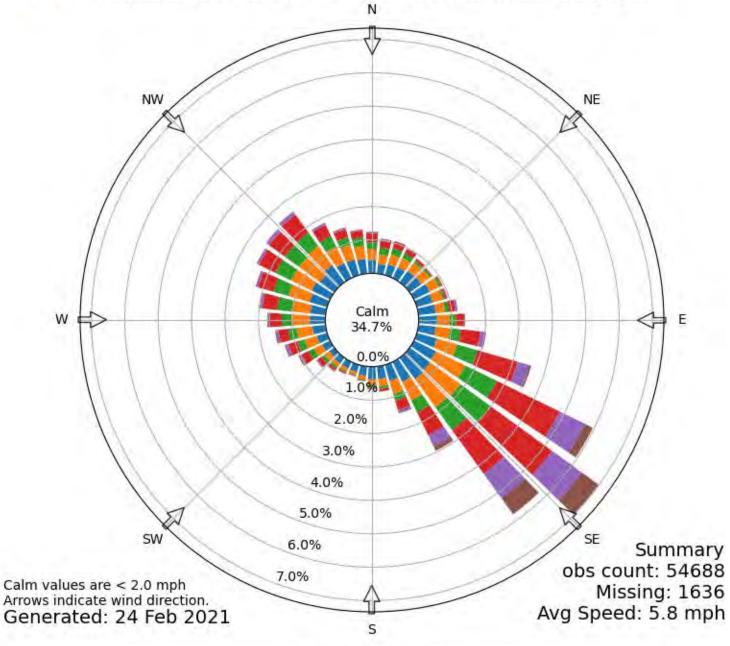






Windrose Plot [Time Domain: Dec,]

Time Bounds: 01 Dec 1973 12:00 AM - 31 Dec 2020 11:55 PM America/Los_Angeles







Emission Reductions and Environmental and Energy Benefits for Landfill Gas Energy Projects



Last Updated: October 2020

Instructions: This calculator estimates the direct methane, avoided carbon dioxide and total GHG reductions attributable to an LFG energy project for the current year, calculated from the project size entered by the user. Estimates can be calculated for two types of LFG energy projects: (1) Electricity and (2) Direct-use. For electricity projects, users may either select the AVERT region where the project is located or use the national average value. Additional information about the AVERT regions and national average value as well as equations and references for all calculations in this tool are available in the final two tabs of this file.

For electricity generation projects,			For direct-use projects,	million standard cubic feet per day (mmscfd)
enter megawatt (MW) capacity:	2.56	- OR -	enter landfill gas utilized by project:	or
				standard cubic feet per minute (scfm)
Select the AVERT region for the location of the				
electricity project. As an alternative, you may				
use the national average value. (See 'CO ₂				
Emission Factors' tab for map and names of				
AVERT regions.):	California	a		

Direct Equivalent E	missions Reduced	Avoided Equivalent	Emissions Reduced	Total Equivalent Emissions Reduced			
[Reduction of methane emitted	ed directly from the landfill]	[Offset of carbon dioxide from	avoiding the use of fossil fuels]	[Total = Direct + Avoided]			
MMTCO ₂ E/yr	tons CH₄/yr	MMTCO ₂ E/yr	tons CO ₂ /yr	MMTCO ₂ E/yr	tons CH₄/yr	tons CO ₂ /yr	
million metric tons of carbon dioxide equivalents per year	tons of methane per year	million metric tons of carbon dioxide equivalents per year	tons of carbon dioxide per year	million metric tons of carbon dioxide equivalents per year	tons of methane per year	tons of carbon dioxide per year	
0.1157	5,100	0.0092	10,113	0.1248	5,100	10,113	
Equivalent to any one of the follow	ving annual benefits:	Equivalent to any one of the	following annual benefits:	Equivalent to any one of the following annual benefits:			
Environmental Benefits		Environmental Benefits		Environmental Benefits			
 Carbon sequestered by acres of U.S year: 	forests in one 150,209	 Carbon sequestered by acres one year: 	of U.S. forests in 11,915	 Carbon sequestered by acrone year: 	es of U.S. forests in	162,123	
CO2 emissions from railcars' worth or	of coal burned: 636	CO2 emissions from railcars' burned:	worth of coal 50	CO2 emissions from railcar burned:	s' worth of coal	686	
CO2 emissions from gallons of gasol	line consumed: 13,014,594	CO2 emissions from gallons of consumed:	of gasoline 1,032,319	CO2 emissions from gallon consumed:	s of gasoline	14,046,913	

Energy Benefits (based on project size entered):

View Calculations and References

Powering homes:

For additional environmental benefit options, view the Greenhouse Gas Equivalencies Calculator on EPA's Energy and the Environment website.

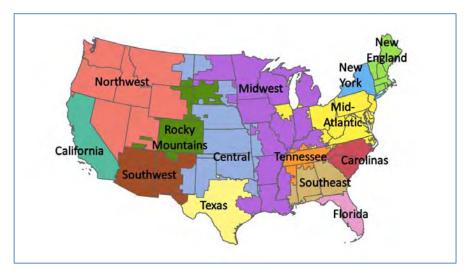
LFGE Benefits Calculator https://www.epa.gov/lmop/ landfill-gas-energy-benefits-calculator

Regional Grid Carbon Dioxide Avoided Emission Factors

The EPA developed a set of regional emission factors based on the AVoided Emissions and geneRation Tool (AVERT). The factors can be used to evaluate the carbon dioxide (CO₂) emissions avoided at electric power plants by renewable energy policies and programs, such as LFG energy.

This LMOP LFG Energy Benefits Calculator uses AVERT values for year 2019. See the map below of AVERT regions to determine the appropriate region for the LFG energy project location for which you are calculating emission reductions and environmental and energy benefits. As an alternative to a regional value, you may select the national average value which reflects a weighted average of the avoided emission rates of AVERT's 14 regions. Averages are weighted by the fraction of 2019 fossil generation in each region. Note, when using an emission factor for future years (i.e., 2020 to 2024), any retirements or additions that may take place in that future year are not included the calculation. AVERT factors are not available for Alaska, Hawaii or the U.S. Territories. More information about AVERT is available at: https://www.epa.gov/statelocalenergy/avoided-emission-factors-generated-avert-0

	2019 Avoided CO₂ Rate						
AVERT Region	(lbs/MWh, Uniform EE)						
California	1,061						
Carolinas	1,664						
Central	1,800						
Florida	1,087						
Mid-Atlantic	1,540						
Midwest	1,860						
New England	1,104						
New York	1,090						
Northwest	1,636						
Rocky Mountains	1,904						
Southeast	1,563						
Southwest	1,544						
Tennessee	1,479						
Texas	1,282						
National Average	1,550						



These LFG electricity avoided emission factors are based on the AVERT factors for Uniform Energy Efficiency (EE). Uniform EE is a local (distributed) energy resource that replaces centrally generated power and the factors include an upward adjustment to account for avoided line loss. These factors represent consistent energy savings throughout the year. Similarly, most LFG electricity projects are a local distribution-level resource that provides a constant energy savings.

John Smith Road Landfill

ATTACHMENT U

Table U1 - Modeled Annual GHG Emissions

Transition from 2020 to 2035 emissions factors Transition from 2035 to 2050 emissions factors

Assume 40% of 2050 emissions factors (most vehicles converted to carbon neutral emissions)

Peak value compared to baseline to calculate yearly change

	Peak value compared to baseline to calculate yearly change GHG Emissions from Trips AVERAGE TRIPS (Attachment E) Emissions Factors From Att. F and G Traffic Totals												
			AVERAGE	I RIPS (Atta	cnment E)			Emissions Fa	ctors From Att	. Fand G	Traffic Totals		
	Self-Haul / Residential In County	Commercial In County,	•	Total	Self-Haul / Residential In County	Commercial In County,	Out-of- County Trips Per	Self-Haul / Residential In County CO ₂ e	Commercial In County,	Out-of- County	Total		
Year	Trips/Day	Trips/Day	Day	Day	Miles/Year	Miles/Year		g/mi	CO₂e g/mi	CO₂e g/mi	MTCO₂e/yr	MTCO₂e/yr	
Miles per Trip Average ⁴					16.70	16.70	102.29				2,982	-813	
Baseline:	188	31	36	255	1,133,396	186,890	1,329,361	1.04E+03	1.78E+03	1.72E+03	3,795	0	
2021	185	30			1,114,128	183,713	1,329,361	1.02E+03	1.84E+03	1.67E+03	3,698	-97	
2022 2023	186 187	31 31	40 44		1,121,481 1,129,444	184,925 186,238	1,477,068 1,624,774	1.01E+03 9.91E+02	1.91E+03 1.97E+03	1.62E+03 1.57E+03	3,875 4,038	80 243	
2024	189	31	48	268	1,138,818	187,784	1,772,481	9.75E+02	2.03E+03	1.52E+03	4,189	394	
2025	190	31	52		1,148,156	189,324	1,920,188	9.59E+02	2.10E+03	1.47E+03	4,325	530	
2026 2027	192 194	32 32	56 60		1,158,375 1,168,684	191,009 192,709		9.43E+02 9.27E+02	2.16E+03 2.22E+03	1.42E+03 1.37E+03	4,447 4,555	652 760	
2028	195	32	64		1,178,151	194,270		9.11E+02	2.29E+03	1.32E+03	4,647	852	
2029 2030	197 199	33 33			1,188,401 1,198,146	195,960 197,567	2,511,015 2,658,722	8.95E+02 8.79E+02	2.35E+03 2.41E+03	1.27E+03 1.23E+03	4,725 4,788	930 993	
2030	200	33			1,207,851	197,367	2,806,428	8.63E+02	2.41E+03 2.48E+03	1.23E+03 1.18E+03	4,788	1,042	
2032	202	33			1,217,272	200,720	2,954,135	8.47E+02	2.54E+03	1.13E+03	4,870		
2033 2034	203 205	34 34	83 87		1,226,645 1,235,599	202,266 203,742	3,064,915 3,212,622	8.31E+02 8.15E+02	2.61E+03 2.67E+03	1.08E+03 1.03E+03	4,849 4,854	1,054 1,059	
2035	206	34	91	331	1,244,249	205,169		7.99E+02	2.73E+03	9.79E+02	4,844	1,049	
2036	208	34			1,251,963	206,441	3,508,036	7.65E+02	2.72E+03	9.80E+02	4,956	1,161	
2037 2038	209 210	34 35	95 95		1,259,099 1,265,898	207,617 208,739	3,508,036 3,508,036	7.31E+02 6.97E+02	2.71E+03 2.70E+03	9.80E+02 9.81E+02	4,923 4,889	1,128 1,094	
2039	211	35	95	341	1,272,734	209,866	3,508,036	6.63E+02	2.69E+03	9.82E+02	4,854	1,059	
2040 2041	212 213	35 35			1,279,607 1,285,109	210,999 211,906	3,508,036 3,508,036	6.29E+02 5.96E+02	2.68E+03 2.67E+03	9.83E+02 9.84E+02	4,819 4,782	1,024 987	
2041	213	35			1,283,103	212,817		5.62E+02	2.66E+03	9.84E+02	4,782	949	
2043	215	35	95		1,296,443	213,775		5.28E+02	2.65E+03	9.85E+02	4,707	912	
2044 2045	216 217	36 36			1,301,629 1,307,096	214,630 215,532	3,508,036 3,508,036	4.94E+02 4.60E+02	2.64E+03 2.63E+03	9.86E+02 9.87E+02	4,668 4,630	873 835	
2046	218	36			1,311,801	216,308		2.76E+02	1.58E+03	5.92E+02	2,780	-1,015	
2047	218	36			1,315,999	217,000		2.76E+02	1.58E+03	5.92E+02	2,783	-1,012	
2048 2049	219 220	36 36			1,320,473 1,324,567	217,738 218,413	3,508,036 3,508,036	2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	2,785 2,787	-1,010 -1,008	
2050	220	36	95	352	1,328,143	219,002	3,508,036	2.76E+02	1.58E+03	5.92E+02	2,789		
2051	221 222	36 37			1,331,729	219,594	3,508,036	2.76E+02	1.58E+03	5.92E+02	2,791	-1,004	
2052 2053	222	37			1,335,724 1,339,731	220,252 220,913	3,508,036 3,471,109	2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	2,793 2,773	-1,002 -1,022	
2054	223	37			1,343,483	221,532		2.76E+02	1.58E+03	5.92E+02	2,775		
2055 2056	223 224	37 37			1,346,976 1,351,017	222,108 222,774		2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	2,777 2,779	-1,018 -1,016	
2057	225	37			1,354,259	223,309		2.76E+02	1.58E+03	5.92E+02	2,781	-1,014	
2058	225	37			1,357,509	223,845		2.76E+02	1.58E+03	5.92E+02	2,783		
2059 2060	226 226	37 37			1,360,903 1,364,169	224,404 224,943		2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	2,785 2,787	-1,010 -1,008	
2061	227	37	94	358	1,367,634	225,514	3,471,109	2.76E+02	1.58E+03	5.92E+02	2,788	-1,007	
2062 2063	227 228	38 38			1,371,108 1,374,591	226,087 226,661	3,471,109 3,471,109	2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	2,790 2,792	-1,005 -1,003	
2063	229	38			1,374,391	227,237	3,471,109	2.76E+02	1.58E+03	5.92E+02 5.92E+02	2,792		
2065	229	38			1,381,582	227,814	3,471,109	2.76E+02	1.58E+03	5.92E+02	2,796		
2066 2067	230 230	38 38			1,385,092 1,388,610	228,393 228,973		2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	2,798 2,800		
2067	230	38			1,392,137	229,554		2.76E+02 2.76E+02	1.58E+03	5.92E+02 5.92E+02	2,802	-993	
2069	232	38			1,395,673	230,138		2.76E+02	1.58E+03	5.92E+02	2,803		
2070 2071	232 233	38 38			1,399,218 1,402,772	230,722 231,308	2,289,455 0	2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	2,106 752		
2072	233	38	0	272	1,406,335	231,896	0	2.76E+02	1.58E+03	5.92E+02	754	-3,041	
2073 2074	234 234	39 39		272 273	1,409,907 1,413,488	232,485 233,075		2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	756 758		
2074	234	39			1,413,488	233,075		2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	758 760		
2076	236	39	0		1,420,678	234,261	0	2.76E+02	1.58E+03	5.92E+02	762	-3,033	
2077 2078	236 237	39 39			1,424,286 1,427,904	234,856 235,452	0	2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	764 766	,	
2079	237	39	0		1,431,531	236,050	0	2.76E+02	1.58E+03	5.92E+02	768	-3,027	
2080	238	39		277	1,435,167	236,650		2.76E+02	1.58E+03	5.92E+02	770		
2081 2082	239 239	39 39			1,438,812 1,442,467	237,251 237,854	0	2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	772 773	-3,023 -3,022	
2083	240	40	0	279	1,446,131	238,458	0	2.76E+02	1.58E+03	5.92E+02	775	-3,020	
2084 2085	240 241	40 40			1,449,804 1,453,486	239,063 239,671		2.76E+02 2.76E+02	1.58E+03 1.58E+03	5.92E+02 5.92E+02	777 779	-3,018 -3,016	
2085	241	40		281	1,453,486	240,279		2.76E+02 2.76E+02	1.58E+03	5.92E+02 5.92E+02	779	-3,016	
2087					1	· ·						-3,795	
2088 2089												-3,795 -3,795	
2090				Landfil	l Closed and W	aste Being Tra	nsferred to An	other Facility				-3,795	
2091												-3,795	
2092 2093												-3,795 -3,795	
2033												2,7.55	
	Notes:												

Notes:

- 1. Indirect electrical emissions increase from the baseline to maximum in 2086 and then will diminish slowly over time proportionally to LFG generation. Indirect emissions related to the RNG facility are accounted for in the RNG emissions modeling in Attachment A.
- 2. Assume that indirect emissions from construction water use will increase immediately after project approval and the average will remain consistent over the life the landfill plus two years. Indirect emissions from water will increase from base line to the peak over the life of the landfill and only wastewater-related emissions will continue after closure.
- 3. Assume emissions change over the life of the landfill copied from Attachment D.
- 4. Assume averaged over the operating life of the landfill. Some emission continue after closure.
- 5. The timing of construction will vary and the sequence is for modeling purposes only.

	Emissions from Construction (from Attachment H) Emissions from Operation								1				
		eline	Proje		Change	Vehicles (A	tt G & H)	Electrica		•	ewater (Att J) ²	Recycling	(Att D) ³
Year	Baseline Construction Project	Baseline Construction Emissions MTCO₂e	Project Construction Project ⁵	Project Construction Emissions MTCO ₂ e/yr	Change from Baseline MTCO2e/yr	Vehicles Total MTCO₂e/yr	Vehicles Change from Baseline MTCO₂e/yr	Electrical Emissions		Water and Wastewater Emissions MTCO2e/yr	Water and Wastewater Change from Baseline MTCO ₂ e/yr	Recycling Emissions Savings MTCO2e/yr	Recycling Emissions Change from Baseline MTCO ₂ e/yr
Miles per Trip													
Average ⁴		41		86	77	980	-221	0.86	0.33	32	13	-280	-40
Baseline:		0.00		0	0	_,	0			19	0	-240	0
2021 2022		0.00		0	0	1,237 1,274	36 73		0.01 0.02	29 29	10 10	-236 -237	4
2022		0.00	Module 9	116	116	1,274	109			29	10	-239	1
2024		0.00	Wiodale 3	0	0	1,347	146		0.04	29	10	-241	-1
2025		0.00	Module 10	116	116	1,383	182		0.05	29	10	-243	-3
2026		0.00	Entrance	227	227	1,420	219		0.06	29	10	-245	-5
2027		0.00	Module 11	116	116	1,456	255		0.07	29	10	-247	-7
2028		0.00	29 acre Clo	348	348	1,493	292		0.08	30	10	-249	-9
2029 2030		0.00 0.00	Module 12	116 0	116 0	1,529 1,566	328 365		0.10 0.11	30 30	10 10	-252 -254	-12 -14
2031		0.00	Module 13	116	116	1,602	401	0.65	0.12	30	11	-256	-16
2032		0.00		0	0	1,638	437	0.66		30	11	-258	-18
2033		0.00	Module 14	116	116	1,675	474		0.14	30	11	-260	-20
2034		0.00		0	0	1,711	510		0.15	30	11	-262	-22
2035		0.00	Module 15	116	116	1,748	547	0.69	0.16	30	11	-263	-23
2036 2037	Clo Cap	0.00 695.31	Module 16	0 116	-579	1,730 1,713	529 512		0.17 0.18	30 30	11 11	-265 -266	-25 -27
2037	cio cap	053.31	Class I Clo	72	-579 73	1,713	494	0.71	0.18	31	11	-268	-27
2039			Module 17	116	116	1,678	477	0.72		31	11	-269	-29
2040			29-Acre Clo	348	348	1,660	459		0.21	31	12	-271	-31
2041			Module 18	116	116	1,643	442			31	12	-272	-32
2042				0	0	1,625	424			31	12	-273	-33
2043 2044			Module 19	116 0	116 0	1,608 1,590	407 389	0.77	0.24 0.25	31	12	-274 -275	-35 -36
2044			Module 20	116	116	1,590	372			31 31	12 12	-277	-36 -37
2046			Wodale 20	0	0	629	-572	0.81	0.28	31	12	-278	-38
2047			Module 21	0	0	629	-572	0.82	0.29	32	12	-279	-39
2048			29-acre clo	348	348	629	-572	0.83	0.30	32	12	-279	-40
2049			Module 22	116	116	629	-572	0.84	0.31	32	12	-280	-40
2050				0	0	629	-572	0.85	0.32	32	13	-281	-41
2051 2052			Module 23	116 0	116 0	629 629	-572 -572	0.86 0.87	0.33 0.34	32 32	13 13	-282 -283	-42 -43
2052			Module 24	116	116		-572 -572			32	13	-283 -284	-43 -44
2054			Wioduic 24	0	0		-572			32	13	-284	-44
2055			Module 25	116	116	629	-572	0.90	0.37	32	13	-285	-45
2056				0	0	629	-572	0.91	0.38	32	13	-286	-46
2057			Module 26	116	116	629	-572			33	13	-287	-47
2058			29-acre clo	348	348	629	-572	0.93	0.40	33	13	-287	-47
2059 2060			Module 27	116 0	116 0	629 629	-572 -572	0.94 0.95	0.41 0.42	33 33	14 14	-288 -289	-48 -49
2061			Module 28	116	116	629	-572	0.93	0.42	33	14	-289	-50
2062			Wiodale 20	0	0	629	-572			33	14	-290	-50
2063			Module 29	116	116	629	-572	0.99	0.46	33	14	-291	-51
2064				0	0	629	-572	1.00	0.47	33	14	-292	-52
2065			Module 30	116	116	629	-572		0.48	33	14	-292	-53
2066 2067			Module 31	0 116	0 116	629 629	-572 -572	1.02 1.03	0.49 0.50	34 34	14 14	-293 -294	-53 -54
2067			29-acre clo	348	348	629	-572 -572		0.50	34	14	-294 -295	-54 -55
2069			Module 32	116	116	629	-572			34	15	-295	-56
2070				0	0	629	-572	1.05	0.52	34	15	-296	-56
2071			Module 33	116	116	629	-572			34	15	-297	-57
2072			NA 1 1 5 1	0	0	629	-572			34	15	-298	-58
2073 2074			Module 34	116 0	116 0	629 629	-572 -572			34 34	15 15	-298 -299	-59 -59
2074			Module 35	116	116	629	-572 -572			34	15	-300	-59 -60
2076			Judic JJ	0	0	629	-572			35	15	-301	-61
2077			Module 36	116	116	629	-572	1.05	0.52	35	15	-301	-62
2078			29-acre clo	348	348	629	-572			35	16	-302	-62
2079			Module 37	116	116	629	-572			35	16	-303	-63
2080			Madula 20	116	116	629	-572			35	16	-304	-64 -65
2081 2082			Module 38	116 0	116 0	629 629	-572 -572	1.05 1.05	1	35 35	16 16	-305 -305	-65 -65
2082				0	0		-572 -572	1.05		35	16	-305	-65 -66
2084				0	0	629	-572	1.05		35	16	-307	-67
2085				0	0	629	-572	1.05	0.52	36	16	-308	-68
2086				0	0	629	-572			36	16	-308	-69
2087			79-ac Final Clo	946	946		-1,201	1.05		36	16		
2088 2089							-1,201 -1,201	1.05 1.05	0.52 0.52	0	-19 -19		
2089	Landfill Clos	ed Only Mainter	nance, Leachate	& LFG Extraction	, and RNG		-1,201 -1,201	1.05	0.52	0	-19 -19		
2091		-	eration During th		, .		-1,201	1.05	0.52	0	-19		
2092		, ,	•				-1,201	1.05		0	-19		
2093		ı	T				-1,201	1.05	0.52	0	-19		

	Summary -	Oneration	Summar	With LFG				Mitigation	n Summary				
	Tot		Juninal	2. 0					. Janniai y				
			From CEC			Convert	Medium				Four		
			Model Direct	Total Change		Light Duty	Duty	Add 5 EV		Convert Two			
			LFG Increase	from Baseline	Early	Landfill	Landfill	Charging	Convert to	County			
	Total Project Emissions	_		without Mitigations	Adoption of Covers	Vehicles to EV	Vehicles to EV	Stations at Landfill	Renewable Electricity	Vehicles to EV	County Facilities	Total with Mitigations,	
Year	MTCO ₂ e/yr	MTCO ₂ e/yr	MTCO ₂ e/yr	MTCO ₂ e/yr	MTCO₂e/yr	MTCO₂e/yr	MTCO₂e/yr	MTCO ₂ e/yr	MTCO ₂ e/yr	MTCO₂e/yr		MTCO ₂ /yr	
Miles per Trip				20, 7					2-2-11			22, 1	
Average ⁴	3,802	-984	8,948	7,964	-1,381	-3	-13	-22	-1	-5	-9	7,721	
Baseline:	4,817	0		-						Chang	ge in Average	-244	
2021	4,729	-47	0	-47									
2022 2023	4,941 5,255	165 479	1,503 2,675	1,668 3,154	0	-5			-1	-8	-14	1,668 3,126	
2023	5,324	549	3,916	4,465	-1,157	-5 -5			-1 -1	-8		3,120	
2025	5,611	835	5,226	6,061	-1,438	-5		-36	-1	-8		4,559	
2026	5,879	1,103	6,602	7,705	-1,766	-5		-36	-1	-8		5,875	
2027 2028	5,910 6,268	1,134 1,492	8,044 5,081	9,178 6,573	-2,361 -1,604	-5 -5		-36 -36	-1 -1	-8 -8		6,753 4,905	
2028	6,208	1,492	5,915	7,288	-2,231	-5 -5		-36	-1 -1	-8		4,903	
2030	6,131	1,355	6,783	8,138	-2,780	-5		-36	-1	-8		5,294	
2031	6,330	1,554	7,683	9,237	-3,151	-5		-36	-1	-8		6,022	
2032	6,281	1,505	5,920	7,425	-1,094	-5	-23	-36	-1	-8		6,244	
2033 2034	6,411 6,334	1,635 1,558	6,581 7,263	8,216 8,821	-1,272 -1,866	-5 -5	-23 -23	-36 -36	-1 -1	-8 -8		6,857 6,868	
2035	6,475	1,699	4,340	6,039	-1,800	-5	-23	-36	-1	-8		5,952	
2036	6,453	1,677	4,733	6,410	0	-5	-23	-36	-1	-8	-14	6,323	
2037	6,516	1,045	5,138	6,183		-5	-23	-36	-1	-8		6,096	
2038 2039	6,419 6,410	1,644 1,634	5,468 5,791	7,112 7,425		-5 -5	-23 -23	-36 -36	-1 -1	-8 -8		7,025 7,338	
2039	6,410	1,634	6,108	7,425 7,919		-5 -5	-23	-36 -36	-1 -1	-8		7,338	
2041	6,300	1,524	6,418	7,942		-5	-23	-36	-1	-8		7,855	
2042	6,128	1,352	6,723	8,075		-5	-23	-36	-1	-8		7,988	
2043	6,188	1,412	7,021	8,433		-5 -5	-23	-36	-1 -1	-8		8,346	
2044 2045	6,015 6,074	1,239 1,298	7,313 7,600	8,552 8,898		-5 -5	-23 -23	-36 -36	-1 -1	-8 -8		8,465 8,811	
2046	3,164	-1,612	7,881	6,269		-2	-9	-14	0	-3			
2047	3,166	-1,610	8,157	6,547		-2	-9	-14		-3		6,512	
2048	3,515	-1,261	8,427	7,166		-2	-9	-14		-3			
2049 2050	3,285 3,170	-1,491 -1,606	8,691 8,951	7,200 7,345		-2 -2	-9 -9	-14 -14		-3 -3			
2051	3,170	-1,489	9,205	7,343		-2 -2	-9 -9	-14		-3			
2052	3,173	-1,603	9,454	7,851		-2	-9	-14		-3		7,816	
2053	3,268	-1,508		8,191		-2	-9	-14		-3			
2054 2055	3,153	-1,622	9,938 10,173	8,316 8,668		-2	-9 -9	-14 -14		-3 -3			
2056	3,271 3,156	-1,505 -1,620		8,783		-2 -2	-9 -9	-14 -14		-3			
2057	3,273	-1,503	10,628	9,125		-2	-9	-14		-3			
2058	3,506	-1,270		9,579		-2	-9	-14		-3			
2059	3,276	-1,500		9,566		-2	-9	-14		-3			
2060 2061	3,161 3,278	-1,615 -1,498	11,278 11,487	9,663 9,989		-2 -2	-9 -9	-14 -14		-3 -3			
2062	3,163	-1,613	11,691	10,078		-2	-9	-14		-3			
2063	3,281	-1,495	11,891	10,396		-2	-9	-14		-3			
2064	3,166	-1,610		10,477		-2	-9	-14		-3		,	
2065 2066	3,283 3,168	-1,493 -1,608	12,279 12,467	10,786 10,859		-2 -2	-9 -9	-14 -14		-3 -3			
2067	3,286	-1,490		11,162		-2	-9	-14		-3			
2068	3,518	-1,258	12,833	11,575		-2	-9	-14		-3	-6	11,541	
2069	3,288	-1,488	13,010	11,522		-2	-9	-14		-3			
2070 2071	2,474 1,236	-2,302 -3,540	13,184 13,208	10,882 9,668		-2 -2	-9 -9	-14 -14		-3 -3		,	
2071	1,230	-3,655	12,943	9,288		-2	-9	-14		-3			
2073	1,238	-3,538	12,683	9,145		-2	-9	-14	_	-3	-6	9,111	
2074	1,123	-3,653	12,429	8,776		-2	-9	-14	_	-3			
2075 2076	1,241 1,126	-3,535 -3,650	12,180 11,936	8,645 8,286		- <u>2</u>	-9 -9	-14 -14		-3 -3			
2076	1,128	-3,533	11,936	8,164		-2	-9	-14		-3			
2078	1,476	-3,300	11,463	8,163		-2	-9	-14		-3	-6	8,128	
2079	1,246	-3,530	11,234	7,704		-2	-9	-14		-3			
2080 2081	1,131 1,248	-3,645 -3,528	11,009 10,789	7,364 7,261		-2 -2	-9 -9	-14 -14		-3 -3			
2081	1,248	-3,528 -3,642	10,789	6,931		-2	-9 -9	-14 -14		-3			
2083	1,135	-3,641	10,362	6,721		-2	-9	-14		-3			
2084	1,136	-3,640		6,516		-2	-9	-14		-3			
2085	1,138	-3,638		6,315		-2	-9	-14		-3			
2086 2087	1,139 982	-3,637 -4,033	9,755 9,560	6,118 5,527		-2	-9	-14		-3	-6	6,083 5,527	
2088	1	-5,015	9,370	4,355								4,355	
2089	1	-5,015	9,125	4,110								4,110	
2090	1	-5,015	8,886	3,871					_			3,871	
2091 2092	1	-5,015 -5,015	8,651 8,421	3,636 3,406								3,636 3,406	
2093	1	-5,015	8,195	3,180								3,480	
				-									

John Smith Road Landfill - DEIR ATTACHMENT V RNG Tube Trailer Loads

Peak FFG Generation Starting LFG Output % Methane % Collection Efficiency PMG Conturn officiency	2,449 s 450 s 50% 98% 92%	
RNG Capture efficeincy Peak Methane Output Starting Methane Output	1,104 s 203 s	
Trailer Size Operating Pressure	471,694 s 3,600 j	VPLite 45/40
Trailers per Day Peak Trailers per Day Starting Average Trailers per Day Over Life	3.37 0.62 1.99	

Ralph Hirshberg, P.E.

Principal



33 YEARS OF EXPERIENCE

EDUCATION

B.S., Civil Engineering, University of Cincinnati, 1987

Mr. Hirshberg has more than 32 years of experience in the solid and hazardous waste industries. Mr. Hirshberg has extensive experience in the permitting and design of a wide range of environmental, waste disposal and environmental facilities. Environmental permitting including Solid Waste PTI/PTO, Landfill and Industrial Facility Air Emissions PTI/PTO, Title V, NSPS, NESHAP, NPDES, 401/404 Wetland and associated regulatory programs.

PROJECT EXPERIENCE

Expert Witness and Legal Assistance, OH

Served as an expert witness and coordinated technical aspects of defense for several solid waste permits appealed to the Ohio Environmental Review Appeals Commission. Prepared technical briefs and assisted in compilation of legal memoranda, motions, and filings before the Commission. Coordinated expert witness selection and de-briefing. Assisted in various aspects of witness deposition and prepared technical summaries of witness testimony. Testified directly as an expert witness on issues related to environmental regulation and facility siting in the State of Ohio.

Solid Waste | Landfill Gas

120-Acre Landfill, OH

Retained as technical consultant for all facets of air permitting and emission factor development for innovative landfill gas use technologies. Responsibilities included landfill gas sampling and characterization, toxics analysis, exposure modeling, Title V permitting, PSD permitting, emission netting including analysis of regional electric grid emissions and value engineering. Served as principal liaison between client and Ohio EPA Division of Air Pollution Control.

Franklin County Sanitary Landfill, OH

Prepared facility air permits, coordinated research and development activities associated with high Btu LFG processing plant and LFG to CNG fueling station. Assisted with LFG collection system design and high temperature well analysis. Assisted facility with development of GIS based LFG wellfield analytical system. Assisted facility with research and development technologies for LFG processing.

Landfill Gas-to-Energy, Ohio, Illinois, Missouri, Texas, Mexico, Puerto Rico Retained as technical consultant for all facets of landfill gas-to-energy project development. Responsibilities included landfill gas sampling and characterization, toxics analysis, exposure modeling, Title V permitting, PSD permitting, emission netting including analysis of regional electric grid emissions and value engineering. Served as primary project development lead and construction manager. Served as principal liaison between client and various regulatory agencies.

EXPERTISE

Environmental Permitting
Air Emission Estimates
Air Permit Compliance and Reporting
NSPS and NESHAP Compliance

REGISTRATIONS

Professional Engineer
• OH E-65753



Ralph Hirshberg, P.E.

Principal

Solid Waste | Landfill

100-Acre Superfund Site, OH

Retained as a technical consultant for coordination and review of technical and CERCLA related requirements of the site for a PRP member. Chaired PRP group Technical Committee and coordinated various aspects of site remediation including Time Critical Removal Actions. Provided technical reviews and cost evaluations of Site RIFS contractor activity. Served as a liaison with local government and community organizations. Developed conceptual remedial designs incorporating beneficial reuse plans. Coordinated technical aspects of Ohio EPA Findings & Orders, and US EPA Administrative Orders.

120-Acre Sanitary Landfill, OH

Responsibilities included management of all aspects of project design, and plan and PTI preparation including drainage, leachate control, construction sequencing, liner, and cap design. Design includes a double composite liner system, ground-water interception system, and extensive use of geotextile and geocomposites in a variety of applications. Specific studies included geotechnical analysis of controlled fills and containment structures, cost analysis and rate studies including construction and annual operating costs, and airspace optimization.

170-Acre Sanitary Landfill, OH

On-going construction coordination and certification services. Serve as project engineer to assist client in budget preparation, cost estimates, project scheduling and special projects including facility design, compost management areas, materials recovery facility design, and leachate management planning and investigations. Specific design projects include modification and analysis of the leachate recirculation system, design of a perimeter leachate collection system, and upgrade of existing leachate collection and liner systems to current BAT standards.

35-Acre Sanitary Landfill Vertical Expansion, Operation and Closure Plan, OH

Responsibilities included all aspects of project design including plan and PTI application preparation. Specifics of the design included vertical expansion over an existing waste fill incorporating the use of shredded waste tires as an aggregate substitute in leachate collection and gas venting systems. Managed all permit submittals as well as post closure operations and maintenance.

40-Acre Superfund Site, OH

Responsibilities included completion of remedial design, bid specifications and contractor selection, construction management of remedy installation, coordination of all regulatory submittals and USEPA oversight activities, completion of certification and long term operations and management reports. Managed all post-closure operations including environmental monitoring and on-site remediation systems. Served as primary liaison for community, Ohio EPA and US EPA communications.

50-Acre Industrial Landfill (monofill) for Delisted Hazardous Waste, Northwest Ohio

Responsibilities included managing all aspects of project design, and plan and PTI preparation including drainage, leachate control, construction sequencing, liner and cap design. Design included a double composite liner system, and a leachate collection system with recirculation/evapotranspirative capacity. Specific studies included analyses of geotechnical characteristics of the waste including slope stability analyses, bearing capacity, and review of geotechnical testing data.

64-Acre Sanitary Landfill, OH

Responsibilities included design of stormwater and erosion control facilities, fill sequencing and cover system, leachate collection, and transmission systems.

72-Acre Industrial Landfill (monofill) for Process Filtercake, Northeast Ohio

Responsibilities included managing all aspects of project design, including drainage, leachate control, construction sequencing, liner and cap design. Design included a double composite liner system, and a leachate collection system with recirculation/evapotranspirative capacity. Specific studies included analyses of geotechnical characteristics of the waste including slope stability analyses, bearing capacity, and review of geotechnical testing data.

80-Acre Sanitary Landfill Expansion, PA

Responsibilities include design of leachate collection and transmission systems, dual composite lining system, stormwater and erosion control facilities, and stream relocation design. Responsibilities included design of composite liner system, leachate collection system, stormwater collection and sedimentation facilities. The design included extensive use of geotextile and



Ralph Hirshberg, P.E.

Principal

geocomposites, including design for filtration, separation, and fluid transmission. Specific hydraulic studies included HEC-2 modeling of relocated surface watercourses and design of over bank reservoirs for floodway mitigation.

District Solid Waste Management Plans, OH

Responsibilities included collecting data, analyzing and investigating of alternatives, and assisting in alternative evaluation and report preparation. Specific studies included detailed municipal and industrial waste characterization, and cost feasibility studies.

Explosive Gas Monitoring Plans, OH

Prepared several explosive gas monitoring plans for various closed and operating sanitary landfill facilities.

Hazardous Waste Landfill Closure, FL

Conducted feasibility study for waste fixation and/or containment options for manufacturing residuals for an automobile shredding facility. Specific studies included leaching simulations of residual material, design of final cover and stormwater management facilities, and leachate generation analysis.

Solid Waste Facility (Green-Field) Siting, Ohio, Florida and New York

Served as a technical consultant for a private solid waste facility developer in Ohio, Florida and New York. Responsibilities included market and infrastructure analyses, preliminary siting review, and coordination of environmental aspects of property acquisition including wetland, sensitive species, and zoning regulations. Coordinated and reviewed work of environmental scientists and various subcontractors. Provided technical briefs related to environmental regulations and assisted in various legal defenses of appealed environmental applications. Reviewed and provided technical assistance related to landfill gas utilization, Section 29 Energy Tax Credits, and sale of gas and electric power to public utilities. Worked with private natural gas and electric power brokers in development of cogeneration projects.

Solid Waste | Waste Solidification/Stabilization

Hazardous Waste Lagoon Closures, Kentucky and Michigan

Developed waste fixation sequencing for lead-contaminated fly ash including handling and placement, operational sequencing, design of containment, and RCRA cover systems. Specific responsibilities included geotechnical evaluation of fixed waste and available borrow sources, design of stormwater control and detention facilities, field sampling plans, equipment, and personnel decontamination plans.

TRAINING

OSHA 1910.120, HAZWOPER 40-Hour Certified

OSHA 1910.120, Eight-Hour Refresher Course,

PROFESSIONAL AFFILIATIONS

Air & Waste Management Association

National Solid Waste Management Association

Solid Waste Association of North America





RESUME

DAVID C. BROWN, P.E.

Senior Civil Engineer & Environmental Compliance Specialist

EDUCATION

BS, Civil Engineering, 1993, University of Nevada – Reno

PROFESSIONAL REGISTRATION

California Registered Civil Engineer, CE 69135

Qualified Industrial Storm Water Practitioner and Trainer of Record (QISP ToR) #00342

California Qualified SWPPP Developer (QSD)

OSHA 8-hour hazardous-waste supervisor training course (certificate)

OSHA 40-hour hazardous-waste operations and emergency response training course (certificate)

AFFLIATIONS

American Society of Civil Engineers California Stormwater Quality Association (CASQA)

EXPERIENCE

Lawrence & Associates (7/17 to present)

Mr. Brown has 28 years of unique experience having been a company owner, consultant, design engineer, project engineer, project engineer, owner's representative, land developer, regulatory program trainer, expert witness, and presenter. His background provides a wide range and depth of knowledge across multiple disciplines that affect industry in California. Mr. Brown brings focus and support in tackling complex environmental affairs and compliance including civil engineering and environmental management related to industrial infrastructure, planning, stormwater management, hazardous waste management, and air-quality permitting. He is experienced in troubleshooting, responding to regulatory changes, and implementing cost effective and practical solutions to meet the changing needs of industry and environmental compliance.

Dave Brown Engineering (9/13 to 7/17)

Owner/Consultant/Professional Engineer specializing in solving complex regulatory issues related to increasing regulations affecting industry in Northern California and Washington pertaining to air, water, and hazardous waste. During his tenure with Dave Brown Engineering, his work focused on commercial and industrial site development (land planning, grading, utility, CEQA), site remediation, and current operating permit programs including air (PSD, Title V, AOP), water (NPDES - General and Individual), and other permitting programs (EPCRA, GHG, CEQA, SEPA, SPCCP).

Mr. Brown routinely provided training support to agencies and industry related to stormwater and environmental compliance. He also provided technical and analytical support regarding potential legal issues affecting compliance programs.

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Sierra Pacific Industries (11/08 to 9/13)

Corporate Environmental Affairs & Compliance Manager – responsible for company-level compliance across a range of environmental programs, including air and water permitting and hazardous-waste management. Mr. Brown provided direct support to facility managers, environmental coordinators, and corporate owners across 15 facilities in California and three facilities in Washington. Facilities ranged from a dual-sawmill with log decks and cogeneration facilities to former industrial sites with site remediation and/or site planning for redevelopment purposes. Mr. Brown served as an expert witness on behalf of the company and has provided training to crewmembers including attending and participating in training conferences related to industry challenges.

Sierra Pacific Industries (9/05 to 11/08)

Land Development Engineer – responsible for research, design, consultant and contractor coordination, and project management and implementation related to land-development projects and former industrial property. Provided analysis and technical assessments of various land holdings, including redevelopment considerations, long-term master planning, and site remediation. Coordinated projects from 'cradle to grave', from project inception to as-builts. During this time Mr. Brown also provided engineering support to the various facility needs of the company, including site plans, grading and utility plans, stormwater treatment design, waste discharge modifications, and SPCC plans.

Carlton Engineering (9/99 to 5/05)

Project Engineer / Project Manager – Performed various duties in support of environmental and site development services, including surveying, grading, utility and infrastructure design, technical-specifications and drawings, engineer's estimates, bid documents, regulatory coordination, client representation, construction management, environmental sampling, stormwater sampling, and report preparation. During this time, Mr. Brown helped setup and managed engineering groups within the company for larger complex projects, including redevelopment projects at Edwards Air Force Base (California), and the Whidbey Island Naval Air Station (Washington).

Tanner Consulting (1993-99)

Performed various duties in support of site development services, including: land surveying, grading and utility design, technical specifications and drawings, regulatory coordination, and client representation. Site development, and stormwater hydrology and floodplain management were the focus while at this company.



RESUME

CLAYTON E. COLES

Vice President and General Manager Principal Engineering Geologist

EDUCATION

BS, Geology, 1982, Humboldt State University, CA BA, Physics, 1984, Humboldt State University, CA

PROFESSIONAL REGISTRATION

California Certified Engineering Geologist, CEG 1730
California Professional Geologist, PG 5007
California Qualified Storm-Water Designer 198
Certified in Nuclear Safety and Testing Equipment, Certificate 072177
OSHA 8-hour hazardous-waste supervisor training course (certificate)
OSHA 40-hour hazardous-waste operations and emergency response training course (certificate)

AFFLIATIONS

Member Association of Environmental and Engineering Geologists

Member Solid Waste Association of North America (SWANA)

Member International Geosynthetics Society

Glenn County Solid Waste Independent Hearing Panel (second term expired 12-21-2016)

EXPERIENCE – GENERAL

Lawrence & Associates (6/86 to present)

Mr. Coles is Principal Engineering Geologist responsible for projects involving the integration of engineering, geology, soils, groundwater, surface water, landfill gas, and how they affect the structures that may be built on them. Mr. Coles is an expert in the design, operation, planning, cost estimating, construction project management, and permitting of waste-containment and handling systems including landfills, waste-containment and other lined ponds, monitoring and control systems, and related geologic, hydrologic and slope stability applications. Mr. Coles also is an expert in the use of infiltration of treated water from community and individual wastewater treatment systems. Mr. Coles has also performed or managed the investigation and/or remediation of over 100 environmental remediation projects (such as leaking USTs, petroleum spills, solvent spills, and heavy metals contamination). Mr. Coles has been the principal designer on numerous landfill liner construction projects, landfill closure cap, and project manager or related construction projects.

Cooksley Geophysics (9/84 to 6/86)

Geologist responsible for organizing and completing projects involving the gathering, computing, interpretation, and reporting of geophysical data (seismic, electrical, magnetic, and gravity methods). Initiated and completed geotechnical investigations including foundation, groundwater exploration, slope-stability, hydroelectric-plant siting, and Alquist-Priolo seismic-risk evaluations.

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EXPERIENCE – LINER SYSTEMS, WASTE CONTAINMENT, AND PERMITTING

Mr. Coles has significant experience in designing and inspecting landfill and pond liner systems as well as permanent and temporary cover systems. Mr. Coles has designed over 10 million square feet of liner and capping systems using geosynthetic liner components. Shown below is a partial list of Mr. Coles' experience related to waste permitting, containment design, and construction:

Landfill Base Liner Design and Construction Projects

- Greenwaste of Tehama County Design and construction quality assurance (CQA)
 Monitoring for Tehama County/Red Bluff Landfill, Phase 2, Cells 1A, 1B, Tehama County,
 California.
- Placer County Design and CQA Monitoring for Module 13 at Western Regional Landfill.
- Simpson Paper Company Design and CQA Monitoring for Twin Bridges Landfill, Module 2, Shasta County, California.
- Waste Connections Expansion design, design of base liners, and engineering support during construction for John Smith Road Landfill Modules 3B, 4, 5 & 6, 7/8A, 7/8B, and 7/8C, San Benito County, California (five separate projects). We are currently designing Module 7/8C.
- Waste Connections Master plan for Phases 3 and 4, design and project management for Phase 3A and Phase 3B at Avenal Regional Landfill, Kings County, California.
- Waste Connections Master plan for Phase 6, design and project management for Phase 6A Avenal Regional Landfill, Kings County, California.
- Waste Connections Expansion design and Master Plan for Modules 10 through 16, Cold Canyon Landfill, San Luis Obispo County, California.
- Republic Waste Industries and North Coast Regional Water Quality Control Board Peer Review of drawings for expansion of Central Landfill in Sonoma County, California.
- Waste Connections Design and Project Management for Tehama County/Red Bluff Landfill, Phase 2, Cells 2A and 2B, Tehama County California. We are currently designing Cell 2C.
- Waste Connections, Cold Canyon Landfill Module 11A base-liner and perimeter road and leachate system Design Report, and construction drawings in San Luis Obispo, California.
- Waste Connections, Cold Canyon Landfill Module 11B baseliner design and construction management.
- Waste Connections, Cold Canyon Landfill Module 12 baseliner design and construction management (2022).

Expansion and Permitting Projects

- Waste Connections, Cold Canyon Landfill, expansion into Modules 10 through 16 Updated Solid Waste Facilities Permit (SWFP), Prepared and implemented Conditional Use Permit (CUP) compliance plan, designed and managed construction of expansion infrastructure.
- Waste Connections, John Smith Road Landfill, Northern Expansion Prepared master plan
 for expansion, project description, participated in California Environmental Act (CEQA)
 review, prepared Joint Technical Document (JTD update), coordinated SWFP and waste
 discharge requirements (WDR) updates, and have designed all of the Modules in the
 expansion area.
- Waste Connections, John Smith Road Landfill, Far Northern Expansion Designed master plan for expansion and currently preparing project description for CEQA review.

- Glenn County Transfer Station Coordinated design, updated Non-Disposal Facilities Element, prepared Transfer Processing Report (TPR), coordinated CEQA review, and coordinated SWFP permitting.
- Siskiyou County, Black Butte Transfer Station Coordinated design, prepared Transfer Processing Report (TPR), coordinated CEQA review, coordinated SWFP permitting, and provided construction management.
- Siskiyou County, Oberlin Road Transfer Station Coordinated design, prepared Transfer Processing Report (TPR), coordinated CEQA review, and coordinated SWFP permitting.
- Trinity County, Weaverville Transfer Stations Coordinated design, updated Non-Disposal Facilities Element, prepared Transfer Processing Report (TPR), coordinated CEQA review, and coordinated SWFP permitting, and provided construction management.
- Waste Connections, Wetsel-Oviatt Green/Wood Waste and Construction and Demolition Debris Processing Facility - Coordinated design, prepared Transfer Processing Report (TPR), coordinated CEQA review, coordinated SWFP permitting, and provided construction management.
- Waste Connections, Avenal Regional Landfill Permit modification to establish landfill design volume.
- Waste Connections, John Smith Road Landfill Permit Modification for Volume increase.
- Mammoth Disposal, Mammoth Transfer and Recycling Facilities Transfer Processing Report and project development for new transfer station (under construction)
- Independent Recycling Services, Oakland construction debris recycling facility Increase from small volume to medium volume facility (ongoing).
- Waste Management, Anderson Landfill, Inc. Permitting new composting facility at existing Landfill, including planning coordination (ongoing).
- Waste Management, Altamont Landfill Perm

Landfill Cap Design and/or Construction Projects

- City of Redding, Benton Landfill Final Closure Plan and construction assistance.
- City of Redding, Benton Airpark Safety Overrun on top of Benton Landfill Design and construction CQA monitoring.
- Glenn County Landfill Final Closure Plan.
- Humboldt Waste Management Authority Cummings Road Landfill Final Closure Joint Technical Document (JTD) and Phase 1 Closure Cap project management.
- Humboldt Waste Management Authority Cummings Road Burn Ash Site Clean Closure, Corrective Action Plan and project management.
- Humboldt County Waste Management Authority Cummings Road Landfill Phase 2, closure cap design and project management.
- Sierra Pacific Industries Construction Drawings for closure for the Aubrey Ridge Landfill.
- Simpson Paper Company, Dersch Road Landfill, Shasta County, California Final closure cap design and construction CQA Monitoring.
- Siskiyou County, Black Butte Landfill Final closure cap design and construction CQA Monitoring.
- Siskiyou County, Yreka Landfill Final Closure Plan.
- Siskiyou County, City of Tulelake Landfill Closure cap construction CQA monitoring.
- Siskiyou County, Weed Landfill Work Plan for repairs on closed landfill.
- Trinity County Weaverville Landfill Final closure plan and JTD for closure, and CQA Monitoring for the Phase 1 partial-final closure.
- Trinity County Weaverville Landfill Updated final closure JTD and project management for Phase 2 final closure.
- Preliminary closure/postclosure maintenance plan on numerous other landfills.

Surface Impoundments (in cooperation with L&A civil engineering staff)

- City of Fort Bragg Summers Road reservoir design in support of L&A.
- Lampe Engineering Design support related to liner design for Spaulding wastewater evaporation ponds, Lassen County, California.
- Land O' Lakes Design of liner for industrial wastewater pond, Glenn County, California.
- Land O' Lakes Evaluate upper lagoon liner, Glenn County, California.
- Simpson Paper Company Evaluation of sub-liner leakage for leachate ponds, Twin Bridges Landfill, Shasta County, California.
- Water Works Engineers Design support related to pond liners for Forest Service wastewater basin south of Eagle Lake, Lassen County, California.
- Northstar Engineering Design liners and Construction CQA support for wastewater treatment basin in Lake County, California.
- Law Offices of John A. Biard Expert witness in City of Loyalton vs. Stantec et al. regarding waste-water treatment pond defect claim.
- Tehama County Landfill Management Agency Design review for composting area lined stormwater basin.

Solid Waste & Recycling Planning and Permitting

- Compost Solutions, Inc. Developed permitting documents and coordinated agency permitting for a composting facility in Glenn County, California.
- Glenn County, California Updated County Wide Siting Element.
- Glenn County, California Developed Transfer/Processing Report for transfer station and coordinated permitting with CalRecycle.
- Jack Spence Trucking Prepared facility plan and coordinated permitting for a composting facility in Glenn County, California.
- Jack Spence Trucking Prepared facility plan and coordinated permitting for a chicken manure composting facility in Sutter County, California.
- Placer County, California Developed JTD for expansion of Western Regional Landfill and coordinated permitting.
- Tehama County, City of Red Bluff Landfill Designed vertical expansion of Phase 1 Landfill, developed JTD for expanded landfill, and performed permit reviews for the landfill and associated materials recovery facility (MRF).
- Trinity County, Coordinated design, developed initial study for California Environmental Quality Act (CEQA), permitted, and provided construction management for the Weaverville Transfer Station.
- Trinity County, California Updated County wide Siting Element.
- Siskiyou County Developed initial study for California Environmental Quality Act (CEQA), permitted, and provided construction management for the Black Butte Transfer Station in Weaverville, California. In the process for preparing Transfer Processing Report (TPR) for permitting the facility as a large volume transfer station.
- Siskiyou County Coordinated design, developed initial study for California Environmental Quality Act (CEQA), permitted, and provided construction management for the Oberlin Road Transfer Station. In the process of preparing Transfer Processing Report (TPR) for permitting the facility as a large volume transfer station.
- San Benito County Developed JTD and project description for landfill expansion for John Smith Road Landfill.
- Waste Connections Developed CEQA project description for further expansion of John Smith Road Landfill.

- Waste Connections Prepared JTD and coordinated Solid Waste Facility and Waste Discharge Requirement permitting for landfill expansion at Cold Canyon Landfill, San Benito County, California.
- Waste Connections Coordinated planning level design and performed cost estimating for a construction debris processing facility in Mammoth Lakes, California.
- Waste Connections Conditional Use Permit Compliance Plan for 120 Use permit conditions at Cold Canyon Landfill.
- Waste Connections Prepared JTD including a Facilities Plan for a green-waste processing facility and a TPR for a construction and demolition debris processing facility at a temporary site. Also coordinated permitting.
- Anderson Landfill, Inc. Environmental Studies and coordination related to waste boundary realignment.
- Waste Connections Avenal Landfill 5-year permit review and JTD amendments for high-moisture waste acceptance and other updates.
- Tehama County/City of Red Bluff Landfill 5-year permit review and JTD amendments for Materials Recovery Facility and landfill.

Landfill Gas Systems (in cooperation with L&A civil engineering staff)

- Anderson Landfill, Inc. Managed design, installed, and monitored perimeter landfill-gas
 monitoring wells, designed perimeter landfill-gas extraction system to control perimeter
 landfill gas migration, and performed ambient air monitoring and stack testing for
 Conditional Use Permit compliance.
- Simpson Paper Company, Dersch Road Landfill Managed design, installed, and monitored perimeter landfill-gas monitoring wells, designed perimeter landfill-gas extraction system to control perimeter landfill gas migration, and performed stack testing for permit compliance. L&A continues to operate the perimeter system during landfill closure.
- City of Redding, Benton Landfill Managed design, installed, and monitored perimeter landfill-gas monitoring wells, designed partial infill and perimeter landfill-gas extraction system to control perimeter landfill gas migration, and performed stack testing of perimeter system for permit compliance. L&A continues to operate the perimeter system during landfill closure
- City of Ukiah Landfill Installed and monitored perimeter landfill-gas monitoring wells, designed perimeter landfill-gas extraction system to control perimeter landfill gas migration, and performed stack testing for permit compliance. Also performed isotope analysis and carbon age dating to demonstrate natural sources of methane and carbon dioxide.
- Siskiyou County, Yreka Landfill Designed and monitoring perimeter landfill-gas monitoring wells.
- Siskiyou County, Black Butte Landfill Designed and monitored perimeter landfill gas monitoring system and passive landfill-gas venting system.
- Tehama County/Red Bluff Landfill Agency Designed, managed installation, and monitored perimeter landfill-gas monitoring wells, landfill-gas extraction system and flare to control perimeter landfill gas migration.
- Western Regional Landfill Agency, Western Regional Landfill Designed, managed installation, and monitored perimeter landfill-gas monitoring wells, landfill-gas extraction system and flare to control perimeter landfill gas migration.
- Waste Connections, John Smith Road Landfill Managed design of a new flare and annual landfill-gas piping, horizontal collector, and vertical-well system expansions.
- Waste Connections, Cold Canyon Landfill Managed designed annual landfill-gas piping, horizontal collector, and vertical-well system expansions, performed trouble shooting on condensate issues, designed a new condensate sump, designed and installed expanded

- perimeter landfill gas monitoring system, and prepared a Gas Control and Collection System (GCCS) Design Plan.
- Waste Connections, Potrero Hills Landfill Managed design of reused flare from an existing site as a second flare to increase capacity gas-destruction capacity. Also assisted with coordination of landfill gas to energy system development.
- Waste Connections, Tehama County/City of Red Bluff Landfill Coordinated L&A, AB 32 surface emissions monitoring, performed weekly data collection, Title V permit coordination and report, and Federal Greenhouse Gas Reporting.
- Humboldt Waste Management, Cumming Road Landfill Designed and managed logging of perimeter landfill-gas probes, designed expansion of gas-collection system, designed upgrade to controls to support reduced flow during closure, and provided operational support, and performed Federal Greenhouse Gas Monitoring.
- Waste Connections Avenal Regional Landfill Manage design of LFG extraction wells and horizontal collectors.

California Environmental Quality Act (CEQA)

- Shasta Paper Company, Twin Bridges Landfill Initial Study (obtained exemption) for LFG extraction system.
- Siskiyou County, Yreka Landfill Coordinated CEQA review for converting a landfill into a transfer station.
- Trinity County, Weaverville Transfer Station Coordinated CEQA review for landfill and new transfer station.
- Black Butte Transfer Station Prepared Initial Study (IS)/ Negative Declaration (ND) for transfer station permitting.
- Trinity County, Juvenile Hall Project Prepared IS/ND for Juvenile Hall.
- Trinity County, Weaverville Landfill, Closure and Transfer Station Permitting Prepared IS/Mitigated Negative (MND).
- Upland Highlands Subdivision, Siskiyou County, California Prepared geology section for Draft Environmental Impact Report (DEIR).
- Seven Hills Development Designed decentralized sewer system and support CEQA compliance effort.
- Glenn County Landfill, Closure and Transfer Station Prepared project description and coordinated Initial Study/Mitigated Negative
- Jack Spence Trucking, Sutter County, California, Chicken manure Composting Facility Coordinated use permit including supporting information, County prepared Initial Study, including Greenhouse Gas analysis.
- John Smith Road Landfill, Northern Expansion Prepared draft project description, figures, and provided support for IS/MND for the landfill expansion north of John Smith Road.
- Cummings Road Burn Dump Coordinated CEQA review for clean closure of burn dump adjacent to John Smith Road Landfill, provided EIR peer review.
- Avenal Regional Landfill Coordinated EIR amendment for high moisture content waste.
- John Smith Road Landfill, Far Northern Expansions Prepared conceptual design of the landfill expansion and prepared the draft project description.
- Tehama County/Red Bluff Landfill Permit revision, prepared greenhouse gas (GHG) and air quality sections for initial study addendum.
- Mammoth Transfer Station Prepared project descriptions for the town-prepared Initial Study.

Air Quality Permitting and Monitoring

- Anderson Landfill, Inc. Coordinated design and permitting of perimeter landfill gas (LFG) extraction system. Prepared Health Risk Screening for perimeter LFG stack emissions, performed periodic stack monitoring for trace gases (specified air contaminants under the California Health & Safety Code), designed and built upwind downwind only directional sampling equipment, performed low volume trace-gas sampling for compliance with use permit.
- Dersch Road Landfill Coordinated design and permitting or perimeter LFG extraction system, develop stack monitoring protocol, and directed stack monitoring for trace-gas analyses.
- City of Redding Benton Landfill Designed LFG extraction wells for combination perimeter
 and in-fill gas extractions systems, coordinated design of parallel perimeter and LFG
 extraction systems, directed sampling of trace and atmospheric gases from the perimeter
 stack, and preparation of a screening-level health risk assessment for stack emissions using
 the SCREEN Model.
- Black Butte Landfill Designed and permitted infill LFG venting wells for closure of small landfill.
- Western Regional Landfill Coordinated design and permitting of combination in-fill and perimeter LFG extraction system, including drawdown testing of LFG extraction wells to measure radius of influence.
- Ukiah Landfill Developed perimeter LFG operating plan and screening-level health risk assessment for emissions from a perimeter landfill gas-extraction system stack using the SCREEN Model version 3, designed and built sampling equipment, initially performed and subsequently managed trace-gas analyses.
- Tehama/Red Bluff Landfill Coordinated design and permitting of LFG collection system and LFG flare. Developed implementation plan for Assembly Bill 32 monitoring, performed and currently oversee AB 32 reporting. Reviewed initial and subsequent Title V permit updates, oversee data collection and extraction system operation (by L&A staff) and perform Federal GHG reporting. Also provided guidance and LFG model evaluation during partial shutdown of the LFG system during final closure of the Phase 1 Landfill.
- Humboldt Waste Management Agency, Cummings Road Landfill Oversee data collection (by Landfill Personnel), oversee AB-32 reporting.
- John Smith Road Landfill Managed design and permitting of new flare.
- Cold Canyon Landfill Prepared draft design report for Title V report, perform annual date valuation and recommended additional wells, and direct design by engineering staff.
- Cold Canyon Landfill Prepared construction activities management plan (CAMP) for air emissions from construction activities. Prepared initial report format and Carl Moyer reporting method for Module 11A, and directed data collection and reporting for Module 11B.
- Glenn County Landfill Prepared LFG emissions estimates and coordinated Air Quality Sect for an Initial Study for landfill closure and transfer station permitting.
- Jack Spence Trucking Addressed odor and ammonia air quality issues for county-permitting and CEQA review for a chicken litter composting facility.
- Avenal Regional Landfill Performed annual data evaluation and recommended additional wells or horizontal collectors, and direct design by engineering staff. Prepare Odor Impact Management Plan (OIMP).
- Tehama Landfill Agency Managed preparation of and edited GHG and Air Quality Sections for Initial Study Addendum to increase traffic and daily tonnage.

- John Smith Road Landfill Prepare LFG and vehicle emissions calculations and health risk assessment, using AERMOD for dispersion modeling, and prepared GHG and Air Quality Sections.
- Anderson Landfill, Inc. Addressing air quality and odor conformance and prepared project description for new composting facility.

The above list is focused predominantly on solid-waste and recycling related work and does not include projects, such as groundwater remediation plans, corrective action plans, cost estimating, slope stability and geologic reports, timber harvest plans, groundwater monitoring, or other non-waste related work. Please request more information if you are interested in Mr. Coles' other experience.



RESUME

Dylan A. De León

Staff Engineer

EDUCATION

BS, Civil Engineering, 2018, California State University, Chico, CA

PROFESSIONAL REGISTRATION

Engineer in Training EIT 166771
OSHA 40-Hour HAZWOPER Training (certificate)
OSHA 8-hour yearly HAZWOPER refresher (certificate)

AFFILIATIONS

American Society of Civil Engineers (ASCE)

EXPERIENCE – GENERAL

Lawrence & Associates (1/19 to present)

Mr. De León is a Staff Engineer working under the Principal Engineering Geologist and Senior Civil Engineer for projects involving the integration of engineering, geology, soils, groundwater, surface water and the interaction of structures built.

California State University, Chico (2018-2018)

Under the CSU. Chico Research Foundation Mr. De León worked as a research assistant.

South Feather Water & Power Agency (2017-2018)

Mr. De León worked as an engineering student intern under the Chief Dam Safety Engineer for project relating to dam safety and regulatory compliance for several hydroelectric project.

PROJECT EXPERIENCE

The following is a partial list of experience performed under the direction of a licensed professional engineer and/or certified engineering geologist:

- 2019, John Smith Road Landfill, Module 7/8B Compiled specifications, bid documents, engineer's estimate, and coordinated bidding for lined landfill module.
- 2020, John Smith Road Landfill, Module 7/8B Compiled specifications, bid documents, engineer's estimate, and coordinated bidding for lined landfill module.
- 2020, Tehama/Red Bluff Landfill Developed emissions calculation spreadsheets and calculated greenhouse-gas (GHG) emission and criteria pollutant emissions for California Environmental Quality Act (CEQA) analysis.
- 2020, Avenal Regional Landfill, Module 3B Compiled specifications, bid documents, engineer's estimate, and coordinated bidding for lined landfill module.

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- 2020 and 2021, Tehama/Red Bluff Landfill Conducted annual leachate system function test, performed CQA observation on interim soil cover.
- 2021, Cold Canyon Landfill Module 11B Prepared drawings and specifications, bid documents, engineer's estimate, coordinated bidding, responded to contractor questions, interpreted drawings and performed final site inspection for lined landfill module. Work included updated of a Construction Activity Management Plan (CAMP) for construction air emissions, calculated emissions using the Carl Moyer method and reported the results the local air district.
- 2020, John Smith Road Landfill Prepared vehicle-emissions spreadsheets, calculated both CHG and criteria pollutant emissions, prepared dispersion models using AERMOD, and performed health risk calculations.
- 2021, Avenal Regional Landfill Prepared design report for the Phase 6 excavation, waste fill, leachate collection and recovery system (LCRS) and liner system.
- 2021 Avenal Regional Landfill, Phase 6A Bulk Excavation Prepared drawings, specifications, performed bidding and coordinated construction.
- 2019 and 2021, Numerous Sites Prepared Environmental Site Assessment reports for property transactions.

Table X1

John Smith Road Landfill Expansion Estimated Emissions Reduction from EV Chargers:

Assumes:

These equations calculate the reduction in GHG emissions from EV charging stations assuming employees or similar site vehicles (cars or light trucks) use the charging stations. Heavier equipment, such the water truck or maintenance truck would be estimated separately based the specific vehicle characteristics and vehicle miles traveled (VMT). The initial utilization is anticipated to be less, however, the charging stations are intended to encourage conversion to EV vehicles that would create additional reductions away from the site.

Source: ICF, March 9, 2018, Driving to Net Zero, White Paper, Table A-3

Equation 1: Vr = Vc * CEquation 2: Er = Vr * EpEquation 3: Em = (Er / C)

Where:

for County Requested Installation of Four Chargers

Vc = 8,724 Vehicle Miles Traveled (VMT) Per charging station per year, assume 727 mi/mo per Santa Clara Reference
C = 4 Number of chargers (assume chargers are used by public assuming replacement of gasoline vehicles
Vr = 34,896 VMT reduced (CAP) calculated
Ep = 0.000431 Emissions Factor, MTCO₂e/VMT assuming replacement of public gasoline vehicles
Er = 14 MTCO₂e of gross emissions reduced - all chargers (rounded down)

Em = 3.8 MTCO₂e of gross emissions reduced per year per charger

Source of VMT:

City of Santa Clara Climate Action Plan, December 3, 2013, Section 6.6

for Five chargers at Landfill

Vc = 11,880 Vehicle Miles Traveled (VMT) Per charging station per year, assume 33 miles per day, 360 operating days per year
C = 5 Number of chargers (assume all are used by employees during the day)
Vr = 59,400 VMT reduced (CAP) calculated
Ep = 0.0006 Emissions Factor, MTCO₂e/VMT assuming employee commute
Er = 36 MTCO₂e of gross emissions reduced - all chargers
Em = 7 MTCO₂e of gross emissions reduced per year per charger

Miles to In County Origin 8.35 one way per Table E3. Assume two round tripos per day per station = 8.35 * 4 = 33 x 361 days per year

Emissions Factor Source: City of Santa Clara Climate Action Plan, December 3, 2013, Tables A3 & A4 https://www.santaclaraca.gov/home/showdocument?id=10170

Gasoline $0.000431~\rm MTCO_2e/VMT$ per EMFAC 2011 Diesel $0.001344~\rm MTCO_2e/VMT$ per EMFAC 2011 Employee Commute $0.0006~\rm MTCO_2e/VMT$

Table X2

John Smith Road Landfill

GHG Reduction by Converting Landfill ATVs and 1/2-ton Trucks to Electric

Assumptions

The spreadsheet calculates emissions reductions from converting two ATVs and two 1/2-Ton pickup trucks from internal combustion engine (ICE) to electric battery (EB) vehicles.

Summary

Covert two ATV's to EV

1.4 MTCO₂e
Covert two 1/2 ton pickups to EV

3.4 MTCO₂e

Total GHG Reduction (Rounded)

5 MTCO₂e

Convert ATV's to Electric

					Runex		Runex			
					Emissions		Emissions			
	Vehicle Type,				Factor GHG		Factor GHG		Runex Emissions	
	Fuel (Vehicle	Hours per	Load		CO2 (g/bhp-	GHG CO ₂	CH4 (g/bhp-	GHG CH4	Factor GHG N2O	GHG N2O
Support Vehicles	Category)	Year	Factor	Нр	hr)	(lbs/year)	hr)	(lbs/year)	(g/bhp-hr)	(lbs/year)
Existing ICE ATV (both; 2)	MDV	387	1	18	194.00	3,000.74	0.1100	1.70	0.0050	0.08
Replaced EBV ATV	MDV	387	1	18	0.00	0	0.0000	0.00	0.0000	0.00
Difference					_	3,001	_	1.70	_	0.08
Global Warming Potential Multiplier						1		25		298
CO ₂ e GHG Emissions (lbs/day)						3,001		42.54		23.05
Years						1		1		1
Effective GHG Emissions (lbs/year)						3,001		43		23
Conversion to Ib/Metric Ton					_	4.54E-04		4.54E-04		4.54E-04
MTCO ₂ e/yr					_	1.36		0.0193		0.0105
Total MTCO₂e/yr						1.4				

Grams per Pound Conversion

0.002220462 g/lb

Emissions Factor Sources Table 9-3A

EPA 420-P-04-009, Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression Ignition , USEPA, April 2004 - Tier 2 Engines Load Factors from Appendix A of EPA 420_P-04-005, Median Life, Annual Activity, and Load Factor Values for Nonroad Engine Emissions Modeling , USEPA, April 2004

Convert Two 1/2 Ton Truck to Electric

Emissions Reduction Factor:

478 GHG Emissions, g/mile x 1,000,000 gr/MT

4.78E-04 MtCO₂e/mile

Sources:

Liu, Xinyu, Elgowainy, Amgad, et. al, 2021. Wells-to-Wheels Analysis of Zero Emission Plug-In Battery Electric Vehicle Technology for Medium and Heavy Duty Truck, Environmental Sci. Technol. 2021, 55 - Figure 3 Class 2 PUTs & Vans ICEV (internal combustion engine vehicle); 873 g/mile minus BEV (battery electric vehicle); 395 g/mile. Based on average US electrical GHG. Benefit in California likely higher.

For "Class 2" GVW 6001 to 10,000 lb

Annual VMT - PU Truck / Van	Miles/year	Savings MTCO₂e/yr
1/2 Ton PU	3,600	1.7
1/2 Ton PU at 10 miles per day, 360 days/year	3,600	1.7
Total MTCO₂e/yr		3.4

Note:

A Chevy Silverado 2500 4WD GVWr ranges from 10,250 to 10,450 lb. Curb Weight from 6,105 to 6,533 lb (Chevy Website) A Chevy Silverado 1500 2 WD GVWr ranges from 5,400 to 5,700 lb. Curb Weight ranges from 3,968 to 1,877 lb (Chevy Website)

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Table X3 John Smith Road Landfill GHG Reduction by Converting County Vehicles to Electric

Emissions Reduction Factor 478 GHG Emissions, g/mile x 1,000,000 gr/MT 4.78E-04:CO₂e/mile

Sources:

Liu, Xinyu, Elgowainy, Amgad, et. al, 2021. Wells-to-Wheels Analysis of Zero Emission Plug-In Battery Electric Vehicle Technology for Medium and Heavy Duty Truck, Environmental Sci. Technol. 2021, 55 - Figure 3 Class 2 PUTs & Vans ICEV (internal combustion engine vehicle); 873 g/mile minus BEV (battery electric vehicle); 395 g/mile. Based on average US electrical GHG. Benefit in California likely higher.

For "Class 2" GVW 6001 to 10,000 lb

		Savings
Vehicle	Miles/year	MTCO2e
Average miles per year from below	8,650	4.1
Times number of vehicles		2
Total MTCO₂e/yr (Rounded)		8

Note

A Chevy Silverado 4WD GVWr ranges from 10,250 to 10,450 lb . Curb Weight from 6,105 to 6,533 lb (Chevy Website) A Chevy Silverado 2 WD GVWr ranges from 5,400 to 5,700 lb . Curb Weight ranges from 3,968 to 1,877 lb (Chevy Website)

Potential County-Owned Internal Combustion Engine Vehicles to Replace with Electric Vehicles

Provided by San Benito County Integrated Waste

Plate	Make	Model	Year	Miles/Year
1249872	Chevy	Colorado	2006	6,200
1590914	Chevy	Silverado 2500	2020	20,700
1603142	Chevy	Silverado 2500	2020	6,500
1603143	Chevy	Silverado 2500	2020	1,200
Average Miles/Year			_	8,650



Technical Memo John Smith Road Landfill Long-Term Water Use

July 8, 2022

Introduction

John Smith Road Landfill (JSRL or Landfill) retained Lawrence & Associates (L&A) to estimate the projected water usage for the proposed Landfill expansion project for the purposes of evaluating potential water sources for the projects future demand. Current and projected water use for the project are generally described in the Design Basis Report for the project, however; this Technical Memo provides a more in-depth effort to evaluate current water use, model future water use, and provide projected seasonal water-use needs.¹

JSRL, similar to other landfills, consumes a significant quantity of water for dust control. Other water uses, such as domestic uses (toilets flushing and sinks) are negligible by comparison. Dust control falls into two categories (1) regular landfill operations and (2) construction. Operations occur seven days per week with most public traffic on the weekends and most commercial traffic on weekdays. Module (liner) construction projects are anticipated to occur every two years. Partial-final closure cap construction projects will occur less frequently based on when the landfill surface grade ceases settling and when needed to optimize landfill gas collection (LFG) efficiency. It is assumed that partial final closure projects would not typically be performed during the same construction year as a module construction project, unless soil is hauled from a module construction to a closure area (in lieu of a stockpile) to reduce soil handling.

Historical Water Usage

Historically, most water for JSRL has been obtained from the Sunnyslope Water District via a fire hydrant approximately 3 miles from the Landfill and transported to the Landfill via a water truck. The Landfill has several unlined stormwater basins from which a small amount of the landfill's water has been obtained. Use of stormwater has not historically been recorded and is

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¹ Lawrence & Associates, November 2021, Design Basis Report for the John Smith Road Landfill Expansion, San Benito County, California.

assumed to be negligible in comparison to imported water. Because the basins are unlined, water infiltrates gradually and stormwater is typically only available for a short time (days to weeks) after storm events. The ponds are dry during the summer when water needs for dust control are highest. Leachate from the landfill's leachate collection and recovery system (LCRS) and condensate from the landfill's LFG-collection system are disposed to the sewer and are not currently used for dust control.

Table 1 (Attachment A) presents the available data from the Sunnyslope Water District and contractor invoices for 2018 through 2021. Typically the Landfill pays for site-operation water and the construction water is paid for directly and invoiced by the construction contractor. The only full year without construction was 2021, when approximately 2.44 million gallons of water was used for site operations. During construction of Modules 7/8B and 7/8C in 2019 and 2020, respectively, the water use for site operations was significantly less than 2021 (22% and 31%) less, respectively) suggesting that a portion of the construction water offset operational uses and the water related strictly to construction was significantly less than reported by the contractor. Conversely, for the partial year if 2018, it appears that the construction water did not offset water for site operations. When subtracting water likely used for operation, construction water ranged from 1.6 to 2.1 million gallons (2,140 HCF to 2,807 HCF with an average of 2.47 HCF) per project.² Assuming water use is more likely proportional to bulk excavation volume, water usage ranged from 5.36 to 12.24 gallons per cubic yard of excavation with an average of 7.83 gallons per cubic yard. For some reason, the water use for the relatively small (2.77 acre) Module 7/8B was significantly higher than Modules 7/8A and 7/8C and may be an outlier. Without Module 7/B, the average would be 5.62 gallons per cubic yard.

Projected Water Usage

Potential generation of dust is proportional to travel distance and traffic rate for a given road surface type. Unpaved roads have the potential to generate the greatest amount of dust, graveled roads less so, and paved roads very much less so. Paving roads provides greater than 90% control efficiency (1-[dust generated after control measure is applied divided by dust generated before control measure]) when compared to unpaved roads (Countess, 2006).³ Application of water to prevent mobilization of dust is a common control measure for unpaved roads. Vacuum sweeping is commonly used to control dust on paved surfaces. In areas of mud or soil, track-on from unpaved to paved area (and subsequent dust) is commonly controlled by rumble plates, and water flushing followed by vacuum sweeping.

² 2021 operations water minus 2020, 2019, and 2018 annual operations water and then subtract the result for reported construction water. See "Corrected Construction Water" on Table 1 in Attachment A.

³ Countess Environmental, September 7, 2006, *WRAP* [Western Regional Air Partnership] *Fugitive Dust Handbook*. Prepared for Western Governors' Association, Denver Colorado.

A purpose of this memo is to provide an estimate of the water usage for the proposed landfill operation and for each construction project, of which most will be used for dust control. As described below, water usage is based on average traffic and road lengths as obtained from the baseline condition and the scenarios in Figures B7 through B12 in Appendix B to the Draft Environmental Impact Report (DEIR) dated November 2021 and Figures 38 through 41 in the Design Basis Report. ^{4,5} The scenarios were developed to focus on emissions closest to the property line. For the purpose of water usage, however, the length of gravel roads for waste hauling have been doubled (in Table 4) to better represent the average length during operation of the Landfill. Copies of Figures B7 through B12 are included in Attachment B to this Memo.

For the purposes of estimating future water usage conservatively, this analysis does not assume that use of landfill leachate, condensate, or the use of dust palliatives would reduce water consumption, however, they may be used in the future and may reduce water usage.

Module construction is projected to occur on average every two years with peak construction trips and dust generated during the bulk excavation and clay-screening phase of construction when several heavy off-road trucks are hauling soil from the excavation area to the stockpile area and concurrently soil screening is occurring. As described in Section 5.5.5 of the Design Basis Report, the module project bulk soil excavation is anticipated to range from 113,000 to 221,000 cubic yards per project (as much soil as possible is excavated for daily and intermediate cover prior to project excavation) in five- to 10-acre lined area module construction projects. While the Module construction acreage is anticipated to be generally larger (average of 7.9 acres) than projects described in Table 1, the bulk excavation volume is expected to be generally lower.

Construction of portions of the final closure cap or "partial final closure" projects will be performed as portions of the Landfill reach their final elevations and have undergone sufficient settlement so that they have a relatively fixed geometry prior to cap placement. The frequency of partial final closure project cannot be predicted, but could occur every five to 10 years and cover 15 to 29 acres, respectively. Depending on the closure cap type (conventional; with 3.5 feet of soil and geomembrane or evapotranspirative; with 4 to 5 feet of soil added), the bulk excavation and soil placement could range from 85,000 cubic yards to 235,000 cubic yards. Soil would typically be obtained from the nearest future Module to minimize soil excavation for Module construction. Based on bulk excavation volume, it is anticipated that water needs for a Partial Final closure project would be less than or equal to a Module construction project.

⁴ Lawrence & Associates, 2021, *Appendix B, Air Quality Calculations for John Smith Road Landfill Expansion*, Scenarios 1 through 5 in Attachment O.

Lawrence & Associates, November 2021, Design Basis Report for the John Smith Road Landfill Expansion, San Benito County, California.

The most water intensive construction use typically occurs during the bulk excavation phase in two to three months during the late spring and early summer. Less intense water usage is required during other parts of the construction process, such as during clay liner and geosynthetic placement.⁶

Traffic

Operations Traffic

Potential dust generating activities during landfill operations include the following:

- Customer traffic on paved roads.
- Customer traffic on graveled roads.
- Customer traffic in the unloading area.
- Operator equipment to compact and bury the waste.
- Operator traffic to excavate, haul, and place daily soil cover.

Among currently implemented Best Management Practices (BMPs) are:

- Paved entrance area to eliminate soil exposure and provide a cleanable surface.
- Graveling roads to reduce soil exposure.
- Watering to reduce dust mobilization.
- Reducing watering when needed, to reduce the potential for mud tracking.
- Rumble plates at the transition between the graveled and paved road to prevent track-on.
- A wheel wash used during muddy (rainy) periods to reduce track-on.
- Vacuum sweeping to collect tracked dust from paved surfaces.
- Pavement washing followed by vacuum sweeping to remove adhered mud.

As the landfill expands, the length of both paved and graveled roads will increase, thereby increasing the potential for more water use.

As described in the Design Basis Report the current average (baseline) traffic is:⁷

• In-County Public Vehicles (mostly pickup truck and small trailers, including employees): 188 trips/day.⁸

Most moisture conditioning of the clay occurs when it is screened and stacked so that it is delivered to the area of installation on the module floor at the desired moisture content. Water is used to maintain moisture at a less intense rate than during the bulk excavation and clay screening phase.

⁷ Lawrence & Associates, November 2021, Design Basis Report for John Smith Road Landfill Expansion. Attachment F.

A trip is both into the Landfill and then out of the Landfill. Trips both ways are accounted for by assuming two lanes for each trip; one in and one out.

- In-County Commercial Vehicles (garbage trucks, roll-off bin trucks, dump trucks): 31 trips/day.
- Out-of-County Commercial Vehicles (Semi trucks with transfer trailers): 36 trips/day.
- Operational support vehicles that travel to the working face: 8 trips/day.
- Total of 263 trips.

The totals vary with season and day of the week; however, these totals provide an average for water usage evaluation. Currently, all of the vehicles travel to the landfill working face to unload; the unloading area covers approximately a 200-foot-wide by 100-foot-long area (0.5 acres). Waste is currently spread and compacted using a dozer and trash compactor. Soil for daily cover is excavated from a stockpile east of the Landfill by an excavator and hauled by an off-road dump truck to the working face on unpaved and gravel roads. Tarps are used for daily cover to reduce soil usage; however, several 20 cubic yard loads of soil are needed each day to cover waste. Ancillary equipment includes fuel truck, mechanic truck, loader, backhoe, motor grader, and semi stationary truck tipper, which are used infrequently. A vacuum sweeper and water truck are used for dust control.

As described in the Design Basis Report, average traffic will gradually increase over a 15-year period as average daily tonnage increases from roughly 923 to 2,123 tons per day until it reaches the following average totals in 2036:

- In-County Public Vehicles (mostly pickup truck and small trailers): 208 trips/day.
- In-County Commercial Vehicles (garbage trucks, roll-off bin trucks, dump trucks): 34 trips/day.
- Out-of-County Commercial Vehicles (Semi trucks with transfer trailers): 95 trips/day.
- Operational support vehicles that travel to the working face: 8 trips/day.
- Total of 345 trips/day.

Subsequently, average public trips would gradually increase to 232 trips and in-County commercial would gradually increase to 38 trips per day by 2070, an increase of 24 public trips and four in-County commercial trips. Out-of-County truck trips would decrease by one to 94.9

The proposed project includes a public unloading area near the entrance at which in-County Public vehicles would unload and not travel to the landfill working face. The currently described configuration assumes four 30-cubic roll-off bins with room for up to 12 unloading spaces.

According to the Operator, approximately 50% of the public deliver waste in trailers, approximately 20% have tilt trailers that can unload automatically. At some landfills only tilt

⁹ Design Basis Report Attachment E change in truck trips between 2036 and 2070.

¹⁰ Pers Comm.: Roger Brown, April 18, 2022.

trailers are allowed to proceed to the working face. ¹¹ For the project, it is assumed that loads with trailers will proceed to the working face. Therefore, for the project, 50% of the public loads will not travel to the working face (116 trips as of 2070). ¹² Assuming an average of 440 pounds per load ¹³ and 435 lbs per cubic yard for loose waste ¹⁴ (1.01 cubic yards per load), a 30-cubic yard bin would hold waste from approximately 30 loads. An average of 116 loads would fill 3.9, 30-cubic yard roll off bins per day and 4 trips per day would be generated to unload the roll-off bins.

• Average total trips that continue to the working face (as of 2070): 260 trips. 15

For the proposed project, the average number of vehicles traveling to the working face would be slightly less than the baseline traffic. The trips on busy days would be higher and lower on slow days, however average trips is useful for estimating long-term water usage over the period of a year.

It is likely that a second bulldozer, trash compactor, and soil haul truck would be added to accommodate peak disposal rates for the proposed project (Design Basis Report, Table 27) and, as a result of the increased daily tonnage, the working face would double in size (from 0.5 to 1 acre). The ancillary equipment would remain similar but may see more frequent occasional use. The vacuum sweeper would likely be used more frequently with longer paved roads. For the proposed project, it is assumed that a larger one-acre unloading area at the working face will be used.

Construction Traffic

As described above, module construction would occur every two years and partial final closure every five to 10 years, with peak potential dust generating activity and water usage during the bulk excavation phase of construction, lasting from two to three months starting approximately April 15 and ending around July 15 of each construction year. The greatest potential for dust during this period is from excavation of soil, hauling on an unpaved road and deposition into a stockpile. Based on Attachment O to DEIR Appendix B (included in Attachment C to this memo), soil hauling trips would average 239 trips per day during this period, typically on

¹¹ Such as West Central Landfill in Shasta County, California.

The operator reports that from April 1, 2021, to March 31, 2022, 58.6% of the loads did not have trailers and 41.4% did have trailers. 50% is considered a conservatively high proportion travelling to the working face. Personal Comm Jamison Pfister, June 20, 2022.

¹³ Email from Jamison Pfister June 22, 2022, Average of 0.22 tons per public load without trailer.

¹⁴ CalRecycle FacIT.

From previous paragraphs: 116 public trips + 38 in County commercial trips + 94 truck trips + 8 staff + 4 roll-off bin trips.

weekdays. ¹⁶ Another 42 trips are assumed for support purposes. Two thirty nine off-road dump truck trips per day provides capacity to move approximately 6,000 cubic yards of soil per day from the excavation area to the stockpile area. Assuming the upper end of the projected soil excavation per project of 225,000 cubic yards, times a 1.25 multiplier for potential higher than average excavation, 281,250 cubic yards per project were projected for bulk excavation.

Road Lengths

Water usage depends on the road length for each type of road and area including the following:

- Unpaved Road
- Gravel Road
- Paved Road
- Paved Road / Gravel Road interface (track-on)
- Tipping Pad travel distance
- Construction excavation area
- Construction stockpile area

Tables 3 and 4 in Attachment A show the road lengths and area assumed for dust-control water estimation. The baseline road lengths from Attachment O of Appendix B of the DEIR were used to calibrate/verify the current water usage. The road lengths for the five scenarios in Attachment O were averaged to estimate the projected average dust-control water usage. Copies of the figures showing the scenarios are attached to this Memo in Attachment B. Scenario 1 is generally the closest to the landfill entrance and would have the shortest road lengths. Scenario 5 is the farthest from the entrance and will have the longest travel paths. Scenarios 2 through 4 have intermediate road lengths. Average module construction areas are assumed to be 11.19 acres; larger than the projected average of roughly 7.9 acre per module.

Water Consumption Calculation

Domestic Water Usage

The current and projected domestic water use described in Attachment A were obtained from the Design Basis Report.¹⁷

Lawrence & Associates. December 2022, Appendix B, Calculations for Air Quality and Greenhous Gas Climate Change, Proposed Landfill Expansion, John Smith Road Landfill, San Benito County, California. Attachments O3 through O7 (See example in Attachment C).

Lawrence & Associates, November 2021, Design Basis Report for the John Smith Road Landfill Expansion, San Benito County, California, November 2021, Table 14; current 250 gallons per day; Proposed 300 gallons per day.

Water Use for Dust Control

Unpaved and Gravel Roads

Water for dust control on unpaved roads has been described in AP-42, Section 13.2.2 and other references. Water for dust control is described in terms of application rate and frequency of application. After water is applied, it gradually evaporates from the soil surface and must be reapplied to maintain the desired control efficiency (Muleski & Cowherd, 2021). Water must be applied at a rate that will reduce mobilization of dust while not creating a saturated surface that will cause mud and promote tracking onto adjacent paved roads. The water application rate and frequency are proportional to the evaporation rate and the traffic that passes over the road.

Equation 3-2 from Cowherd (1988) was used to calculate water use in gallons per pass for dust control on unpaved and gravel roads for a given control efficiency and traffic.²⁰

C = 100 - ((0.8 p d t)/i), and

for a given control efficiency to obtain application rate:

i = -0.8 p d t / C-100

Where:

C = average control efficiency, percent

p = average hourly daytime evaporation rate, mm/hr

d = average hourly daytime traffic rate, (trips per hour; h-1)

i = water application intensity, L/m2 per application

t = time between applications, hr

The required control efficiency for each road type was obtained from the modeled control efficiency shown in Attachment O of Appendix B to the DEIR.

For operations, the average annual evaporation rate of 3.92 mm/day (1431 mm/yr) was used and assumes that all of the water evaporates during the 12 hours of daylight during the day (0.33 mm/hr). ²¹ Because construction occurs mostly during the summer, the average evaporation rate

¹⁸ USEPA, January 1995, *AP-42, Compilation of Air Emissions Factors*, Office of Air Quality Planning and Standards, Section 13.2.2 Unpaved Roads updated November 2006 and Section 13.2.1, Paved Roads Updated January 2011.

Muleski, Gregroy E., and Cowherd, Chatten, April 2001, Particulate Emissions from Controlled Construction Activities, EPA/600/R-01/031.

²⁰ Cowherd, C., et al., September 1988, Control of Open Fugitive Dust Sources, EPA-450/3-88-308.

²¹ DWR 1976, Evaporation from Water Bodies in California, Hollister Costa Station.

for May through September was used (871 mm / 5 months / 30.42 days per month divided by 12 hours -0.48 mm/hr).

Assuming the landfill is open for 8 hours, average daily traffic described above (260 trips for operational traffic or construction-specific trips per Table 4) was divided by 8 hours to obtain the hourly daytime traffic rate.

The time between applications was based on use. For publicly accessed roads, two applications per day were assumed. For unpaved construction haul roads where a high control efficiency was required, four passes per day were selected. For roads used infrequently, such as the haul path from the stockpile to the working face for daily cover, one pass was assumed. For a given control efficiency, as the number of passes increases, the application rate per pass decreases.

Tables 4 and 5 in Attachment A show the application rate calculations for the operations (waste delivery) and construction, respectively. The application rate and passes were multiplied by the road length times width (assume two lanes of 12 feet; 24-feet for two-way traffic), to obtain the average water usage for each road type. Both construction (soil excavation) and waste delivery traffic tend to follow paths across the tipping area, excavation area, or stockpile that change from day to day. For those areas, it was assumed that a travel path equaling the length of the pad times 24 feet wide. As described above, the length of the graveled waste haul paths for waste delivery were doubled to more conservatively model water needs for waste delivery.

Paved Roads

Paved roads provide dust control by preventing exposure of soil to traffic. For a landfill, the predominant cause of dust on paved roads is by track-out from vehicles leaving unpaved roads and to a lesser extent gravel roads onto paved roads. Track-out occurs on and following rainy days when the soil is wet enough to create mud that sticks to tires and is tracked onto paved areas and then released onto paved roads, where it can later dry and create dust. According to Countess 1988, minimizing track-out provides 40 to 80% control efficiency for paved roads and removing deposits on roads ASAP provides greater than 90% control efficiency.

The Landfill currently uses a combination of gravel tracking pads (46% control efficiency) and rumble pads (up to 80% control efficiency) to remove mud from tires, and operates a wheel wash to remove mud from tires during, and two days after, rainy periods. In addition, the paved roads are vacuum swept as needed to collect the remaining dust. When needed, the paved area subject to track-out is flushed with water followed by vacuum sweeping to remove adhered mud. It is anticipated that the same practices will continue during expansion, except that a larger wheel wash is incorporated.

For the purposes of water usage, it is assumed that the wheel wash will be used every day in which rainfall exceeds 0.1 inches (30 days) and two days thereafter (total of 90 days). The wheel wash recirculates water, however, according to the operator approximately 1,000 gallons per day is needed to replace water lost in the washing process. For the expanded landfill, it is anticipated that a large truck wash will be installed and will use double the water requirements of the current truck wash.

For track-out pavement cleaning Table 2-4 in Cowherd, 1988, using flushing followed by vacuum sweeping, recommends 0.48 gallons per square yard (gpsy) with the frequency of application dependent on the traffic rate:

 $E = 96 - 0.263 V^{c,d}$

Where:

E = Dust control efficiency, percent

96 = Base dust control efficiency, percent

 $V^{c,d}$ = Vehicles passes since last application, assuming water applied at 0.48 gal/yd² (0.05 gal/sf).

In areas other than those receiving track-out, vacuum sweeping is performed to attain 46 to 75% percent control efficiency (depending on the reference, Cowherd, 1988, Table 2-4 and Ohio EPA 1988, pp. 2-14 on a bi-weekly schedule).²³ According to Ohio EPA (1988), a weekly water flushing for an industrial site is anticipated to have an effective control efficiency of 80%. Because there is no established control efficiency equation for paved roads to establish water usage, on Attachment A water consumption was calculated similar to 90% control efficiency for an unpaved road assuming two passes per day. However, the water is likely to be used less frequently and for a greater application rate for periodic pavement flushing. The exact usage pattern cannot be predicted, but the approach described above is anticipated to provide a conservatively high water usage rate.

Comparison to Another Site

L&A obtained water usage data for January 2020 through May 2021 from Avenal Regional Landfill (ARL), in Avenal, Kings County California, approximately 25 miles east of JSRL. ARL receives less rainfall than JSRL Landfill, and during the water use period had longer graveled roads than the projected average for JSRL (ARL 1.36 miles; JSRL 0.29 miles), but shorter paved roads than the projected lengths for JSRL (ARL 0.19 miles; JSRL 1.00 miles). During the 17-month period described above, ARL consumed 4,707,587 gallons or an average approximately

Ohio Environmental Protection Agency (Ohio EPA), 1980, Reasonably Available Control Measures for Fugitive Dust Sources, 'RACM".

3,322,996 gallons per year (10.2 acre-feet) for landfill operations. In addition, 147,000 gallons of leachate were used for dust control in a year period for a total of 3,469,996 gallons. This is considerably less than projected for JSRL in Attachment A (5,258,000 gallons per year) and could indicate that the equations used above overestimate water usage. For the purposes of projecting water usage, however, a conservatively high projected water use would be beneficial to ensure adequate quantity of water is planned for over the long term.

Summary

Table 2 in Attachment A summarizes the average modeled baseline and project water usage for the Landfill operations. The baseline water usage was calculated to determine whether it predicted the water usage for operations reported by the operator. The modeled water usage matched the approximate operations water usage reported by the operator for 2021 (non-construction year) and the model was determined to provide a reasonable predictor of future average water usage for operations.

The projected average annual water usage was estimated based on projected trips to the working face and average road length. As described above, the roads will gradually lengthen as modules farther from the entrance are developed and the paved surface will gradually lengthen as well. Because of the implementation of the public tipping area the average traffic travelling to the working face will be similar to or less than the current traffic and the average annual water usage over the life of the Landfill is projected to increase approximately 116% over the current operational water usage. As the distance from the entrance increases, the change in water usage is estimated to initially be less than projected average water usage (80% for Scenario 1) and then increase as road lengths increase reaching 110% of average projected water usage near the end of the landfill site life (Scenario 5).

As shown on Tables 3 and 4 in Attachment A, the current average water usage for operations is approximately 2.4 million gallons per year (7.59 acre-feet or 3,300 HCF per year). The modeled average projected water usage would be approximately 5.3 million gallons per year (16.14 acrefeet or 7,000 HCF per year), but could range from 4.2 million gallons per year (12.93 acre-feet or 5,631 HCF per year) initially using Scenario 1 to 7.0 million gallons per year (17.83 acre feet or 7,765 HCF per year) near the end of landfill site life using Scenario 5.

Table 5 in Attachment A shows that either a module construction project or a partial-final closure construction project would require an average of approximately 2.2 million gallons of water (6.64 acre feet or 2,891 HCF) of water, more than used historically for construction projects described above (average of 1.9 million gallons). The water usage would vary with the length of construction roads, excavation area, stockpile area, and bulk excavation quantity. It is estimated that approximately 1.8 million gallons (5.39 acre feet or 2,350 HCF) would be

required for Scenario 1. For Scenario 5, 2.6 million gallons (8.13 acre feet or 3,542 HCF) would be required.

Table 2 in Attachment A summarizes the water usage for a Module construction project by season. Using the ratio of trips per season provided by the operator, the average projected water usage was prorated by season. For the purposes of estimating short term water demand from a water source such as a well, the average gallons per minute for each season for both operations and construction were estimated based on consumption during an 8-hour day. If storage at the water source is provided, the 24-hour average would be 1/3 of that required on an 8-hour basis.

The following Table summarizes the average water flow requirements for operations and construction.

Season	Modeled Future from Operations gpd	Modeled Future Water Truck Loads per Day ¹	Modeled Average from Operations gpm for 8 hr day ²	Approximate Construction Peak Loads per Day ^{1,5}	Construction Project Add gpm for 8 hr Weekday (peak) ^{2,5}	Combined Demand, gpm for 8 hr Day ²
Spring (March-May)	12,100	3	25	$0.2^3 (8^4)$	$1.4^2 (57^3)$	82
Summer (June-August)	28,300	8	59	8	57	116
Fall (September -						
November)	12,100	3	25	2	12	37
Winter (December -						
February)	4,000	1	8	0	0	8

Notes:

- 1: Based on 3,600 gal/load.
- 2: If sufficient storage is provided, the required flow would be 1/3 of the flow shown.
- 3: Typically prior to April 15.
- 4: Typically after April 15.
- 5: Average is less. See Table 5 in Attachment A.

Should a well be provided for operational water use, an average flow of 59 gpm would be required for operations during the summer assuming use during an 8-hour day. During construction, an average additional 57 gpm would be required during an 8-hour day. ²⁵ At other times during an average year, the required flow would be less than 59 gpm for operations and 57 gpm for construction. The required flow for operations would range from approximately 20% less than the average of 59 gpm during initial landfill expansion (47 gpm) when roads are shorter and approximately 10% more than 59 gpm during later portions of the landfill expansion when the roads are longer (65 gpm). ²⁶

²⁵ Some contractors elect to work 5, 10-hour days, and the average would be less when divided over 10 hours.

²⁶ Based on footnotes 10 and 11 on Table 4 in Attachment A.

It is understood that because wells installed within the property would not produce sufficient water, it is the intent of the operator to store stormwater runoff and use the water for operational uses and construction projects. The flows described above are intended to be for specifying needs for short term water supply should there be insufficient stored water.

Water usage could be reduced by the use of dust palliatives; however, an assessment of dust palliatives is not included in this analysis.

As described above, operation water average 5.3 million gallons per year (16.14 acre-feet or 7,029 HCF per year). Construction projects would be expected to add an additional 2.2 million gallons (6.64 acre-feet or 2,891 HCF per construction event) per year, although these projections are anticipated to be conservatively high.

L&A understands that once lined ponds are installed early in the expansion of the Landfill, much of the water would be obtained from the ponds and the above totals do not represent water demand from a water utility, except potentially the first project when the ponds would be installed.

Limitations

Water use, primarily for dust control was estimated for the purposes of identifying the water storage needs for the project. Because the projected water use is based on modeling using reasonable assumptions and annual averages, and because weather and climate conditions vary, the day-to-day and seasonal needs will be more or less than described in this memo. This analysis includes only water usage to operate and construct a landfill and does not include water for items outside of this scope (e.g., composting).

Attachments

Attachment A. Tables.

Attachment B. Figures from Air Quality DEIR Appendix B.²⁷

Attachment C. Excerpts from Attachment O to Air Quality DEIR Appendix B.²⁸

²⁸ *Ibid*.

²⁷ Lawrence & Associates. December 2022, Appendix B, Calculations for Air Quality and Greenhous Gas Climate Change, Proposed Landfill Expansion, John Smith Road Landfill, San Benito County, California.

Attachment A

Table 1

John Smith Road Landfill Historical Water Usage

Assume gallons/load =

3600

Note: Leachate and Condensate were not used for dust control

MONTH		YE	AR			YEA	AR			YE	AR			YEA	R			YE	AR	
		20	18			201	19				020			202	1				022	
	USAGE			AVG	USAGE			AVG	USAGE	USAGE		AVG	USAGE	USAGE		AVG	USAGE	USAGE		AVG
	(HCF)	USAGE (GAL)	LOADS	LOAD/DAY	(HCF)	USAGE (GAL)	LOADS	LOAD/DAY	(HCF)	(GAL)	LOADS	LOAD/DAY	(HCF)	(GAL)	LOADS	LOAD/DAY	(HCF)	(GAL)	LOADS	LOAD/DAY
SUNNYSLOPE																				
JANUARY		-	-	-	37	27,678	8	0.2	25	18,701	5	0.2	103	77,049	21	0.7	53	39,647	11	
FEBRUARY		-	-	-	37	27,678	8	0.3	90	67,325	19	0.7	102	76,301	21	0.8	101	75,553	21	0.7
MARCH		-	-	-	16	11,969	3	0.1	140	104,727	29	0.9	202	151,107	42	1.4	141	105,475	29	
APRIL		-	-	-	117	87,522	24	0.8	36	26,930	7	0.2	231	172,800	48	1.6	179	133,901	37	
MAY		-	-	-	247	184,769	51	1.7	149	111,460	31	1.0	298	222,919	62	2.0	110	82,286	23	0.7
JUNE	326		68	2.3	230	172,052	48	1.6	171	127,917	36	1.2	412	308,197	86	2.9		-	-	-
JULY	640	478,753	133	4.3	402	300,717	84	2.7	224	167,564	47	1.5	457	341,860	95	3.1		-	-	
AUGUST	706		147	4.7	349	261,070	73	2.3	280	209,455	58	1.9	464	347,096	96	3.1		-	-	-
SEPTEMBER	556		116	3.9	372	278,275	77	2.6	346	258,826	72	2.4	425	317,922	88	2.9		-	-	
OCTOBER	369	-,	77	2.5	373	279,023	78	2.5	301	225,164	63	2.0	312	233,392	65	2.1		-	-	
NOVEMBER	421	314,930	87	2.9	302	225,912	63	2.1	387	289,496	80	2.7	168	125,673	35	1.2		-	-	
DECEMBER	81	,	17	0.5	80	59,844	17	0.5	136	101,735	28	0.9	94	70,317	20	0.6		-	-	
OPERATIONS TOTAL	3,099	2,318,213			2,562	1,916,509			2,285	1,709,299			3,268	2,444,634			584	436,862		
Module		7/8A				7/8B				7/8C										
Lined Area, Acres		6.24				2.77				4.78										
Bulk Excavation, CY		323,500				172,000				300,405										
Bulk Embankment, CY		11,000				19,600				-										
CONTRACTOR WATER	2,546				3,520	2,633,143			3,134	2,344,395				-				-		
WITH CONSTRUCTION	5,645	4,222,754			6,082	4,549,652			5,419	4,053,694									<u> </u>	
Analytics																				
Corrected Construction Water, gallons ¹		1,904,540				2,105,018	l			1,609,060	Average	1,872,873								
Construction water, gallons per acre		305,215				759,934				336,623	Average	467,258								
Construction water, gallons per cubic yard		5.89				12.24				5.36	Average	7.83		Average with	hout Modu	le 7/8B	5.62			

Notes

1. For 2019 and 2021, it appears that the contractor provided some of the operations water. Assuming 2021 (non-construction year) operational water reflects typical operational water use, the difference between the 2021 and 2020 and 2019 operations water was subtracted from the respective construction water total to generate approximate water related strictly to construction.

Attachment A

John Smith Road Landfill Water Usage

Average Water Usage Projection

Note that the water usage will be more or less during any given year.

Table 2 Summary Operations and Construction - Water Usage Summary For Short Term Well Sizing

Tuble 2 Summary Operations and Construction Trates	0										
											Total gpm for
						Modeled	Modeled	Modeled	Modeled		Peak
	Historical			Modeled	Modeled	Current	Future	Future	Future	Construction	Construction
	Approximate	Historical		Current	Current	Operations	Operations,	Operations,	Operations	Project Peak, Add	and Average
	Water Truck	Approximate	Seasonal % of	Operations,	Operations,	Average, gpm	gpd	Loads per	Average, gpm	gpm for 8 hr	Operations 8
Season	Loads per Day ¹	gpd ²	Average	gpd (rounded) ³	Loads per Day⁴	for 8 hr day	(rounded)⁵	Day⁴	for 8 hr day ⁶	Weekday (peak) ^{6,7}	hr day (peak)
Spring (March-May)	3	10,800	84%	5,600	2	12	12,100	3	25	57	82
Summer (June-August	7	25,200	196%	13,100	4	27	28,300	8	59	57	116
Fall (September -November)	3	10,800	84%	5,600	2	12	12,100	3	25	12	37
Winter (December - February)	1	3,600	28%	1,900	1	4	4,000	1	8	0	8
Average Based on 365 days per year	4	10,959		6,550	2	14	14,125	4	29	NA	
Average Used for Calculation of Seasonal Proportion		12,850				Change	116%		10		

Notes:

- 1: Typical condition during dry day irrespective of annual average. Used solely to model seasonal ratio of trips.
- 2: Trips x 3,600 gallons, used solely to model seasonal ratio of trips. 365 day average is based on 2,444,000 gallons per year as described in Table 1 for 2020.
- 3: Assumes averages over 365-day period, difference between current and model is the result of rounding errors.
- 4: Modeled gpd / 3,600 gal.
- 5: The difference in average between the average and Table 3 is the result of rounding and variations in days per year that water is used. Assumes 7 days/week 365 days per year. Day-to-Day will vary.
- 6: This is based on an average 8 hours per day. With sufficient storage, a water source with 1/3 the described flow rate pumping over a 24-hour period could be used.
- 7: Does not happen every year.

Table 3 - Water Usage from Current Operation

				Application		Water Truck			Gal/Day	
	Existing	Assumed		Rate gpsf per	Water per	Passes Per	Water Truck	Watering	Annual	
Location	Scenario, Miles	Efficiency %	Road Area. sf ²	Pass ⁶	Day, gal	Day	Loads /Day ⁸	Days/year	Average	Gal/Year ⁹
Track-on paved road vacuum sweeping/washing ¹	0.038	50	4,800	0.053	1,024	4	0.28	90	252	92,160
Paved road watering (dry periods) ³	0.190	25	24,077	0.023	549	1	0.15	271	408	148,762
Truck wash ⁴	NA	NA	NA	NA	1,000	NA	0.28	90	247	90,000
Gravel road	0.77	73	97,574	0.032	6,180	2	1.72	271	4,588	1,674,656
Cover Soil Haul Route Unpaved Road	0.55	73	69,696	0.015	1,070	1	0.30	271	794	289,984
Tipping Pad	0.5	54	21,780	0.009	202	1	0.06	271	150	54,852
Domestic water usage ⁵	NA	NA	NA	NA	250	NA	0.07	361	247	90,250
Totals (Average for Year)					10,275		2.85		6,687	2,440,663

Average GPM 5 for 24 hours
Acre-feet per year 7.49

Notes:

- 1. Assumes 100 feet of road 24-feet wide is flushed and vacuum swept after each storm with greater than 0.1 inches of rainfall (0.062 gpd/sf) in 24 hours and then for two days thereafter. To prevent tracking onto remaining pavement. Wheel wash installed in 2021.
- 2. Assume two 12-foot wide lanes per Note 7 below.
- 3. Assumes bi-weekly vacuum sweeping obtains 40 to 70% control efficiency. Assume daily pavement watering, when needed for dusty conditions, to obtain a total of 90% control efficiency when needed
- 4. The truck wash is used after rainy periods to prevent tracking of mud onto paved areas assuming 30 rainy days (exceeding 0.1" in 24 hours) per year plus two days after each rainy day = 90 days per year x 1,000 gpd (for future, assume truck wash 2.3 times the size of the current one).
- 5. From Design Basis Report, Table 14.
- 6. See equations below.
- 7. Assume each Lane is

12 ft x 2 lanes =

24 feet (two way traffic)

8. Assuming 3,600 gallon loads.

9. In 2020, the Landfill used a combination of 1,690,500 gallons of water purchased by the operator and approximately 2,319,000 gallons purchased by the contractor, much of the use overlapped for a total of 4,009,280 gallons. In 2021, a total of 2,444,500 gallons were used without a construction project. It is assumed that negligible water was obtained from the ponds.

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Table 4 - Future Operation

									Application		Water Truck				
							Required		rate gpsf per	•	Passes Per	Water Truck		Gal/Day Annual	
Location	Scenario 1 ¹⁰	Scenario 2	Scenario 3	Scenario 4	Scenario 5 ¹¹	Average ¹²	Efficiency	Road Area ²	pass ⁶	Water per day, gal	Day	Loads/Day ⁸	Days/year	Average	Gal/Year
Track-on paved road vacuum sweeping/washing ¹						0.038	90	4,800	0.053	2,048	8	0.57	90	505	184,320
Paved road wetting (dry periods) ³	0.57	0.77	1.45	0.77	1.42	1.00	50	126,213	0.03	4,251	1	1.18	271	3,156	1,152,013
Truck wash ⁴	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	NA	0.56	90	493	180,000
Gravel Road, miles ¹²	0.09	0.14	0.10	0.14	0.26	0.29	90	37,002	0.084	6,231	2	1.73	271	4,627	1,688,693
Cover Soil Haul Route Unpaved Road, miles ¹³	0.55	0.17	0.36	0.17	0.42	0.33	90	42,324	0.083	3,509	1	0.97	271	2,605	950,935
Tipping Pad, Acres	1	1	1	1	1	1	90	43,560	0.042	3,668	2	1.02	271	2,723	993,987
Domestic water usage ⁵	NA	NA	NA	NA	NA	NA	NA	NA	NA	300	NA	0.08	361	297	108,300
Totals (Average for Year)										22,007		5.54		14,406	5,258,000
Gravel Road Multiplier:	2												Average GPM ⁹	10 fo	r 24 hours

Unpaved Road Multiplier:

Notes:

- 1. Assumes 100 feet of road 24-feet wide is flushed and vacuum swept after each storm with greater that 0.1 inches of rainfall (0.062 gpd/sf) in 24 hours and then for two days thereafter. To prevent tracking onto remaining pavement.
- 2. Assume two 12-foot wide lanes, per Note 7 below.
- 3. Assumes bi-weekly vacuum sweeping obtains 40 to 70% control efficiency. Assume daily pavement watering, or less when needed for dusty conditions. Assuming the combination provides roughly 90% collection efficiency.
- 4. The truck wash is used after rainy periods to prevent tracking of mud onto paved areas 30 rainy days (exceeding 0.1" in 24 hours) per year plus two days after each rainy day = 90 days per year x 2,000 gpd (2 times the size of the current one).
- 5. From Design Basis Report, Table 14.
- 6. See equations below.

7. Assume each Lane is

12 ft x 2 lanes =

24 feet (two way traffic)

- 8. Assuming 3,600 gallon loads.
- 9. Average is 1.73 times the 2020 current usage.
- 10. When analyzed only for Scenario 1, the water usage would be 12.93 acre-feet (5,631 HCF; 80% of the stated average).
- 11. When analyzed only for Scenario 5, the water usage would be 17.83 acre-feet (7,765; 110% of the stated average).
- 12. Assumes double the length of gravel roads to account variance.
- 13. Soil comes from area adjacent to active cell.

Table F Typical Construction Project

												Peak					Average
									Application		Water Truck	Loads/Day			Peak Gallons		Gallons per
							Required	Average	rate gpsf per	Average Water per	Passes Per	@3,600	Work		Per minute for	Peak Gallons	Calendar Day
Location	Scenario 1 ²	Scenario 2 ⁴	Scenario 3	Scenario 4 ⁴	Scenario 5 ³	Average	Efficiency	Road Area ¹	pass, gpsf	day, gal	Day	gal/load	Days/Period	Gal/Period	8-Hour Day	per Day	for Period
Mobilization (Typically April 1 - April 15)																	1
Construction Access Unpaved, miles	0.00	0.22	0.10	0.22	0.15	0.14	90	17,487	0.02	692	2.00	0.19	11.00	7,612			1
Subtotal										692		0.19		7,612	1.4	692	507
Bulk Excavation Screening & Clay April 16 - Jul 15																	1
Construction Access Unpaved, miles	0.00	0.22	0.10	0.22	0.15	0.14	90	17,487	0.11	3,938	2.00	1.09	65.00	255,943			1
Unpaved Soil Haul Road, miles ⁵	0.28	0.27	0.36	0.27	0.42	0.32	95	40,550	0.11	18,261	4.00	5.07	56.00	1,022,630			
Excavation Area, acres	23.80	7.90	7.30	7.90	9.00	11.18	90	16,749	0.06	1,886	2.00	0.52	56.00	105,594			i
Stockpile Area, acres	6.00	8.70	7.20	8.70	5.70	7.26	75	13,497	0.05	1,216	2.00	0.34	56.00	68,073			i
Screening Plant (assume mister @3gpm)	NA	NA	NA	NA	NA	NA	75	NA		1,440		0.40	56.00	80,640			1
Subtotal										26,740		7.43		1,532,880	57.0	27,373	16,797
Liner, Gravel Installation, Ops Jul 15 -Sep 15																	i
Unpaved Road, miles	0.22	0.22	0.10	0.22	0.15	0.18	90	23,063	0.06	2,597	2.00	0.72	56.00	145,405			i
Unpaved Soil Haul Road, miles	0.17	0.17	0.36	0.17	0.42	0.26	95	32,694	0.11	. 14,723	4.00	4.09	21.00	309,186			1
Subtotal										17,320		5		454,591	45.1	21,647	7,332
Erosion Control Cleanup Sep 16-Oct 15																	1
Unpaved Road, miles	0.22	0.22	0.1	0.22	0.15	0.18	90	23,063	0.1	4,613	2.00	1.28	30	138,378			1
Unpaved Soil Haul Road, miles	0.17	0.17	0.36	0.16	0.42	0.26	95	32,440	0.11	14,609	4.00	4.06	2	29,218			1
Subtotal										19,222		5.34		167,596	11.6	5,587	5,587

- 1. Assume two 12-foot wide lanes.
- 2. When analyzed for Scenario 1 only, the water usage would be 5.39 acre feet (2,350 HCF; 81% of the average Minimum Usage).
- 3. When analyzed for Scenario 5 only, the water usage would be 8.13 acre feet (3,542 HCF; 123% of the average Maximum Usage).
- 4. Assume a minimum of 0.27 acres (similar to Module 7/8C) or length shown, whichever is greater for unpaved soil haul road to be conservatively high for water-use purposes.
- 5. Assumes 225,000 CY and 6,000 CY/day = 37.5 x 1.25 for potential variance = 56 days

Total for Average Project 2,162,679 Acre-feet 6.64 2,891 HCF

Assumed Bulk Excavation, CY 281,250

Acre-feet per average year

16.14

gallons /CY

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TRAFFIC ASSUMPTIONS

Current Operation Traffic Assumptions	
1. Assume average traffic per day	
2. Assume all traffic travels to tipping face	
a. 188 In-County Self Haul x 1 =	188
b. In-County commercial = 31	31
c. Out-of-County commercial =	36
d. Support vehicle trips = 8 trips per day (1/hr)	8
e. Total trips per day =	263
f. Trips per hour assuming 8 hours =	33

Construction Traffic Trips per Day Trips per Hour Support Trips 42 239 Soil hauling trips

Future Operations Assumptions

1. Assume average traffic

2. Assume public tipping area is implemented and 50% of public traffic will not enter site

a. 232 In-County Self Haul x 0.5 = b. In-County commercial = 38 94 c. Out-of-County commercial = d. Support vehicle trips = 8 trips per day (1/hr) 8 e. Roll-Off Haul Loads f. Total trips per day = 260 g. Trips per hour assuming 8 hours = 33

5.25 Table 3.13 in Attachments O4, O5, O6, and O7 DEIR Appendix B

29.88 Loads in Attachments O4, O5, O6, and O7 DEIR Appendix B, Assuming 6,000 cy/day

Water Usage Equation for Unpaved Roads

From EPA 1988; equation 3-2,

C = 100 - ((0.8 p d t)/i), and

for a given control efficiency to obtain application rate:

i = -0.8 p d t / C-100

where:

C = average control efficiency, percent

p = average hourly daytime evaporation rate, mm/hr

d = average hourly daytime traffic rate, (trips per hour; h⁻¹)

i = water application intensity, L/m2 per application

t = time between applications, hr

Conversions

L/m2 to gal/yd2 0.22081

Table 6 - Operations Unit Water Usage

					Future				
		Current	Future	Current	Operations				
		Operations	Operations	Operations	Waste	Current	Future	Current	Future
		Waste Delivery	Waste Delivery	Waste Delivery	Delivery	Operations	Operations	Operations	Operations
Variables	Units	Paved	Paved	Gravel	Gravel	Cover Soil	Cover Soil	Tipping Pad	Tipping Pad
i, per application =	L/m2 =	0.93	1.37	1.29	3.43	0.63	3.38	0.38	1.72
I, per application =	gal/sy =	0.21	0.30	0.28	0.76	0.14	0.75	0.08	0.38
I, per application =	gal/sf	0.02	0.03	0.03	0.08	0.015	0.083	0.009	0.042
C =	%	25	50	73	90	73	90	54	90
p =	mm/hr	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
d =	trips per hour	33	33	33	33	8	16	17	16
t =	hours	8	8	4	4	8	8	4	4
Hours per day	hours per day	8	8	8	8	8	8	8	8
Applications per day	Each	1	1	2	2	1	1	2	2
Daily Cover	CY/dy					160	320		
Distance Travel on Tipping Pad (diagonal square)	Miles							208.71	295.16
Days with Rain greater than 0.1 inches (0.748 gpsf)	Days								

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Table 7 - Construction Unit Water Usage

Variables	Units	Bulk Excavation	Bulk Excavation Bull	k Excavation	Support	Support
i, per application =	L/m2 =	4.59	2.29	1.84	0.81	0.81
I, per application =	gal/sy =	1.01	0.51	0.41	0.18	0.18
I, per application =	gal/sf	0.11	0.06	0.045	0.020	0.020
C =	%	95.00	90	75	90	90
p =	mm/hr	0.48	0.48	0.48	0.48	0.48
d =	trips per hour	30	30	30	5	5
t =	hours	2	2	4	4	4
Hours per day	hours per day	8	8	8	8	8
Applications per day	Each	4.00	4	2	2	2
Cubic Yards Per Day	CY/dy	6,000				
Volume per load	CY/load	25				

Note:

Long-Term Average Mean annual evaporation at Hollister Costa Station is 1431 mm/yr = 0.16335 mm/hr x 2 assuming all evaporation occurs during the day = 0.33 mm/hr (0.16 in/dy) Short Term Construction May though September = 871 mm / 5 months = 0.23861 mm/hr x 2 assuming all evaporation occurs during day = 0.48 mm/hr (0.22 in/day)

Water Application Rates for Water Flushing on Paved Roads

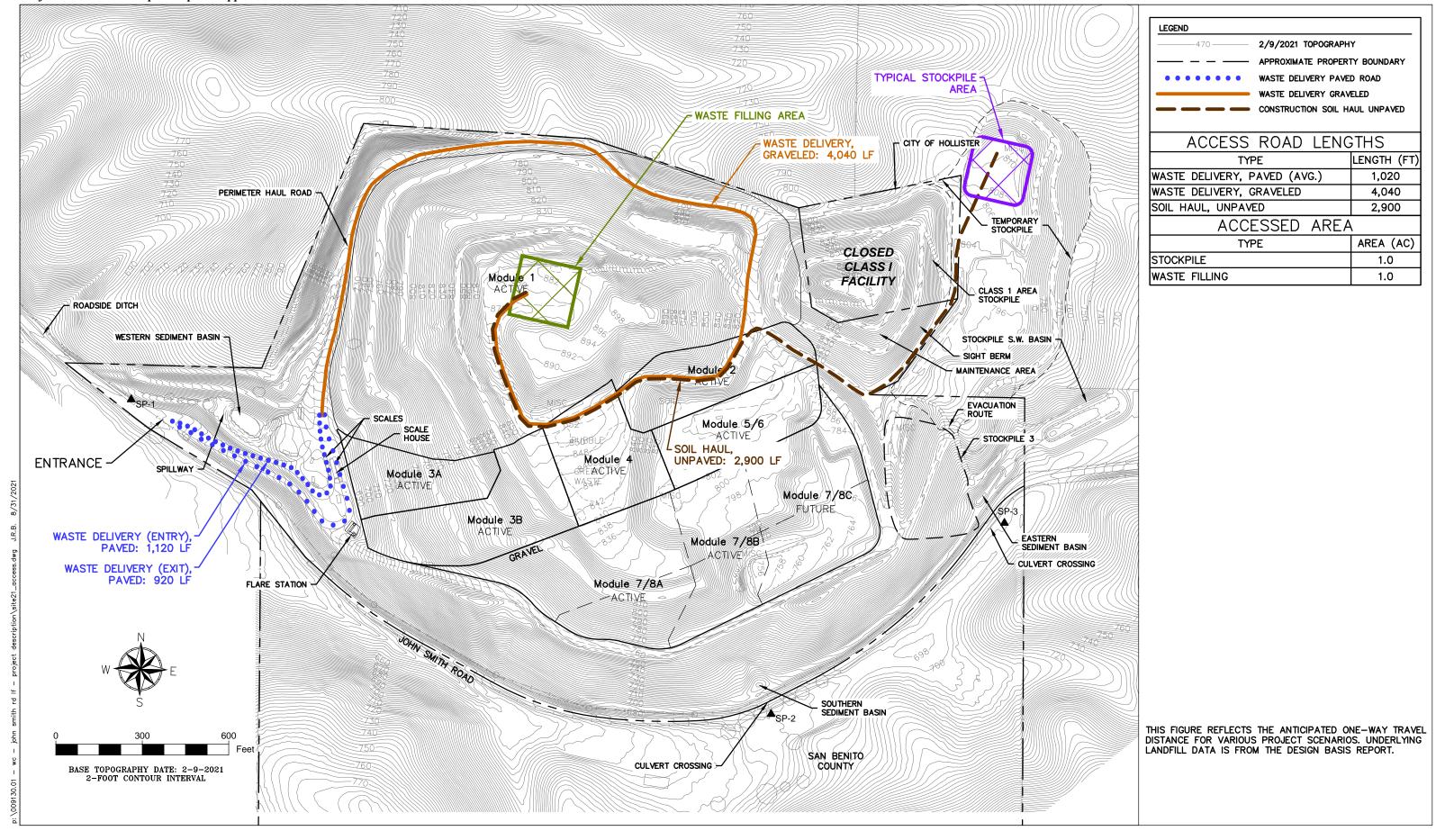
Water Flushing on Paved Roads 0.48 gal/yd2 Table 2-4 USEPA 1988

E = 96 - 0.263 V c,d

Where:

E = 90 % Dust control efficiency
96 = 96 % Dust control efficiency
V = 24 Vehicle passes since application
Traffic per Day 192 Assume traffic lower on rainy days

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BASE TOPOGRAPHY DATE: 2-9-2021 10-FOOT CONTOUR INTERVAL

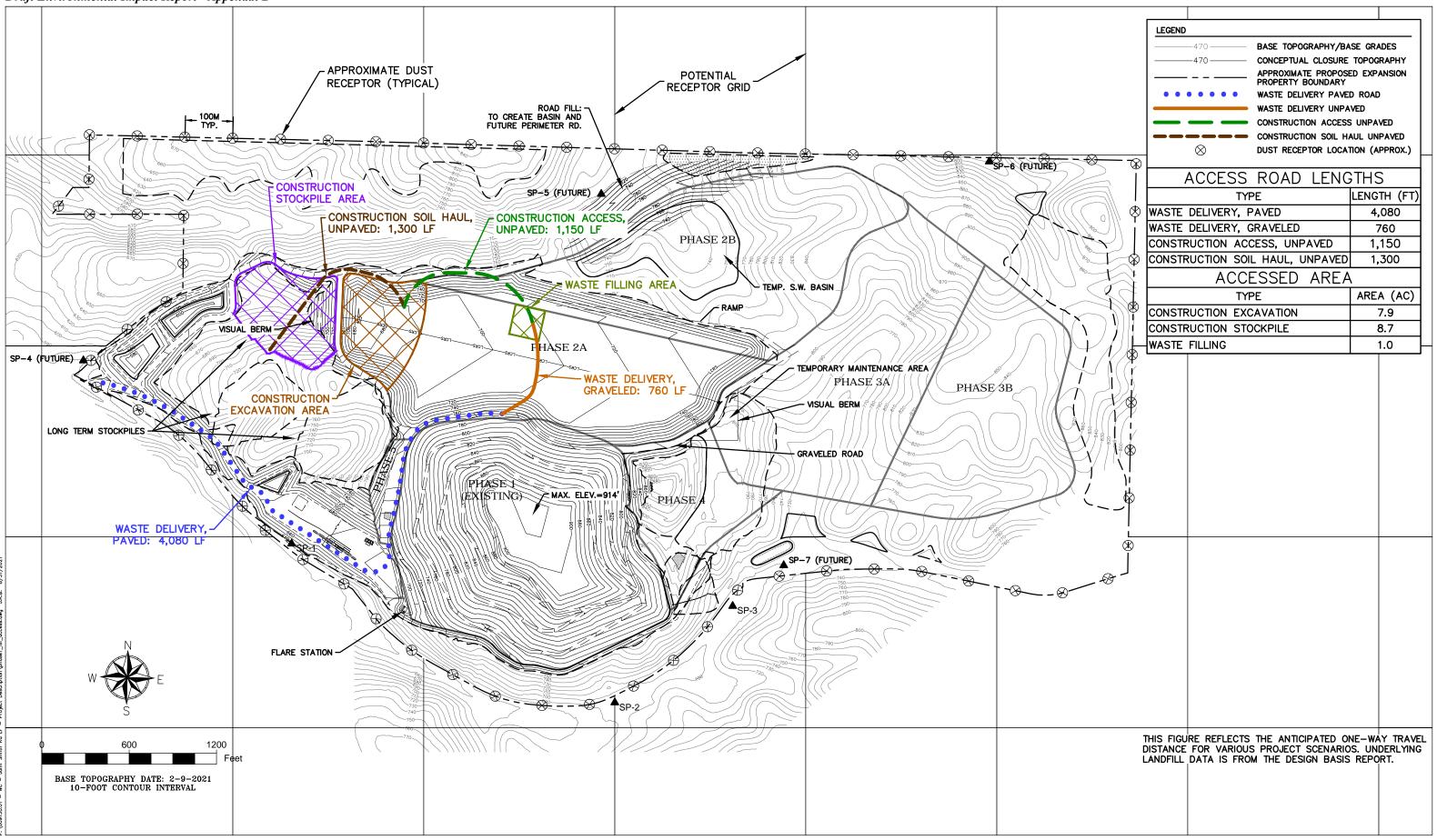
1200

THIS FIGURE REFLECTS THE ANTICIPATED ONE—WAY TRAVEL DISTANCE FOR VARIOUS PROJECT SCENARIOS. UNDERLYING

LANDFILL DATA IS FROM THE DESIGN BASIS REPORT.

THIS SCENARIO INCLUDES THE BASELINE (EXISTING) ENTRANCE AND WESTERLY STOCKPILE DEVELOPMENT. CONSTRUCTION SOIL HAUL PATH ANTICIPATE USING THE

CLOSEST AVAILABLE STOCKPILE.

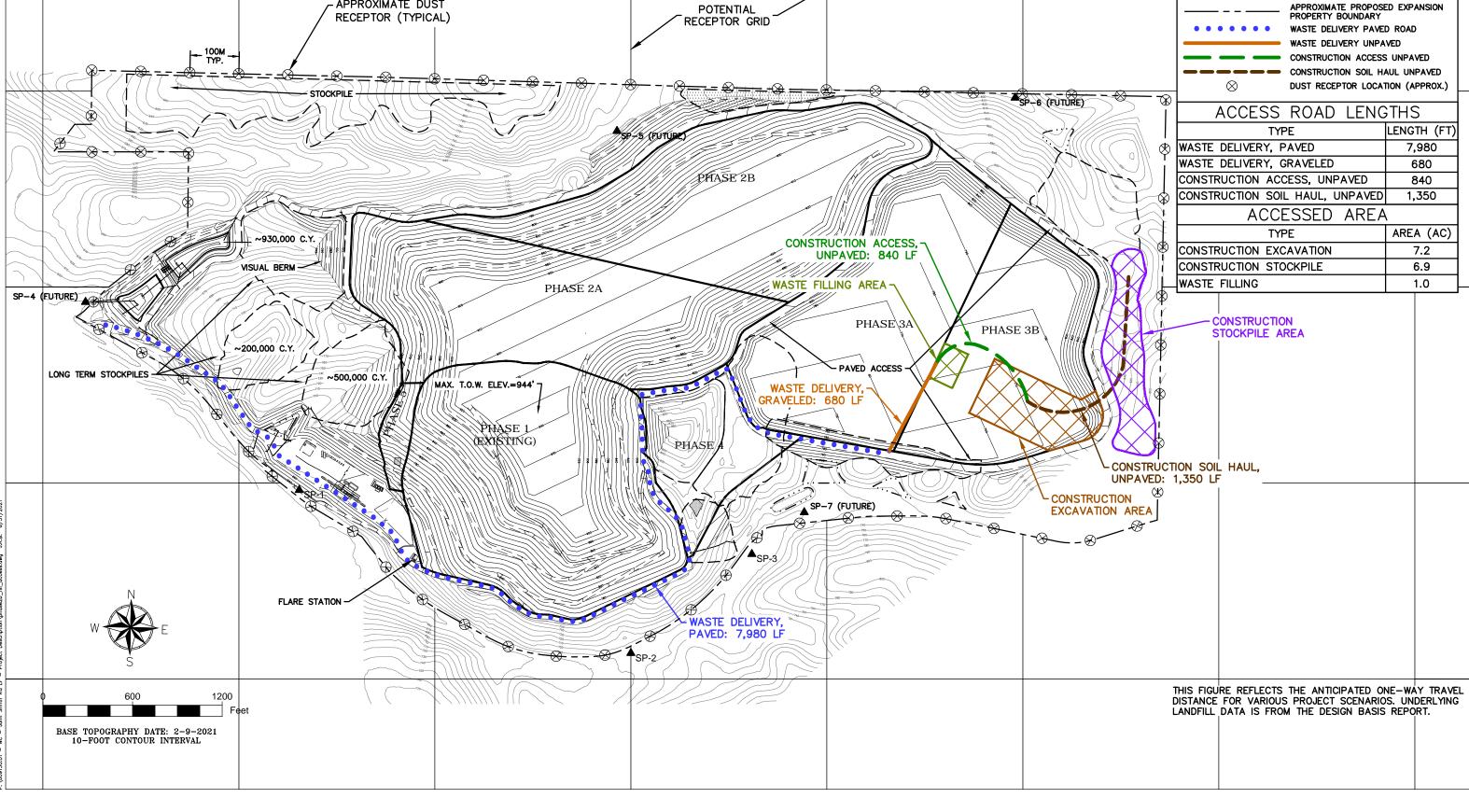


WASTE DELIVERY, PAVED: 8,900 LF

BASE TOPOGRAPHY DATE: 2-9-2021 10-FOOT CONTOUR INTERVAL FLARE STATION

1200

THIS FIGURE REFLECTS THE ANTICIPATED ONE—WAY TRAVEL DISTANCE FOR VARIOUS PROJECT SCENARIOS. UNDERLYING LANDFILL DATA IS FROM THE DESIGN BASIS REPORT.



John Smith Road Landfill

Attachment Q - Scenario 1: Entrance
Alternatives Assessment - Combination Construction & Operations

Table O3.1 - Summary Table - Scenario 1

Location	PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG, lb/day	NOx, lb day	CO, lb day	SO2, lb/day
Emissions from Paved Road	6.61	1.06	0.20	0.96	1.57	0.02
Emissions from Graveled Road	9.61	1.11	0.03	0.15	0.25	0.00
Emissions from Unpaved Road	3.55	0.35	0.00	0.00	0.00	0.00
Emissions from Soil Haul Path	28.45	2.84	0.70	3.66	28.65	0.02
Emissions from Waste Disposal Area	6.40	4.62	1.13	11.68	31.51	0.06
Emissions from Construction Area	4.70	3.37	0.63	5.62	26.64	0.06
Emissions from Stockpile	2.38	2.78	0.21	0.39	6.05	0.01
Flare or IC (peak) ¹	0.44	0.45	4.22	49.89	2.27	214.91
Peak LFG Fugitive Emissions	NA	NA	10.81	NA	NA	NA
Indirect (peak tonnage day, off site)App L	NA	NA	0.29	22.57	NA	NA
Entrance Queuing	0.00	0.00	0.10	1.05	1.45	0.00
Total	62.14	16.59	18.33	95.97	98.39	215.07
Baseline (2021)	80.80	14.35	19.88	63.73	66.46	42.79
Change from Baseline	-18.65	2.24	-1.55	32.23	31.93	172.28
MBARD Thresholds	82	82	137	137	550	150

Variables

Variables						
Project Year	2025					
Waste Delivery Miles - Paved	3,000	0.57	Miles One Way			3,480
Waste Delivery Miles - Graveled	480	0.09	Miles One Way			
Construction Access - Unpaved	0	0.00	Miles One Way In	Addition to W	aste Delivery	
Construction Soil Haul - Unpaved	1,480	0.28	Miles One Way			
Construction Area		23.8	Acres			
Stockpile Area		6	Acres			
Waste Disposal Area		1	Acres	Assume 200	0 x 200 working face	
Assumed Speeds						
Compactor Speed	3	mph				
Dozer Speed	3	mph				
Loader Speed	7.1	mph, AP-42 Default				
Grader Speed	7.1	mph, AP-42 Default				
Off-Road Haul Truck Speed	7.1	mph, AP-42 Default				
Excavator Speed	0	mph	mostly stationary			
Backhoe Speed	0	mph	mostly stationary			
Construction Excavation	6,000	cy	1			
Construction Excavation	10,020	tons @1.67 t/cy	239	Loads	67.05	Total Miles One way
Daily Cover Excavation	320	cy (2000 tpd waste /0.75 x	0.12 cy soil/cy waste			
Daily Cover Excavation	534	tons @1.67 t/cy	15	Loads =	4.18	Total Miles One way
•						

Waste Delivery On-Site Emissions - Assuming

		Vehicle Pro	operties				ı			1	ı	1		1		1		ı		Emissio	n Factors an	d Calculation	s	1	1		1	ı	ı			т —	
															STREX		RUNLOSS		Exhaust		Tire Wea		Brake Wea		Exhaust		Tire Wear		Brake Wear				
			Trip Dust (both	Total Miles	Paved Miles / Day	Graveled Miles/Day (both	Unpaved Miles/Day	Load	RUNEX Emissions Factor NO	RUNEX Emissions NOx	STREX Emissions Factor NOx	STREX Emissions NOx	RUNEX Emissions Factor ROG	Emissions	Emissions Factor ROG	STREX Emissions ROG	Factor ROG	Emissions ROG	Factor PM10	Exhaust Emissions PM10		Emissions PM10	Factor PM10	Emissions PM10	_		Factor PM2.5	Emissions PM2.5	Emissions Factor PM2.5	Brake Emissions PM2.5	Emissions Factor CO		Emissions En
On-Road Vehicles	Vehicle Category	Trips/Day	ways)	/ Day	(both ways)	ways)	(both ways)	Factor ⁵	(g/mile)10	(lbs/day)8	(g/trip)	(lb/day)	(g/mile)10	(lbs/day)8	(g/trip)10	(lbs/day)8	(g/trip) ¹⁰	(lbs/day)8	(g/mile)10	(lbs/day)8	(g/mile)10	(lbs/day)8		(lbs/day)8		(lbs/day)		(lbs/day)8	(g/mile)10	(lbs/day)8	(g/mile)10		(g/mile) ¹⁰ (ll
ord Mechanic Truck (DSL)	LHD1	2	2.6	2.6	2.3	0.4	0.0	1	2.74	0.0	0.00	0.000	1.93E-01	0.001	0.00	0.000	0.00	0.000	3.34E-02	0.000	1.20E-02	0.000	7.64E-02	0.000	3.19E-02	0.000	0.003	0.000	0.033	0.000	9.36E-01	0.005	5.30E-03
ord F450 Flat Bed (DSL)	LHD2	1	1.3	1.3	1.1	0.2	0.0	1	1.89	0.0	0.00	0.000	1.69E-01	0.000	0.00	0.000	0.00	0.000	2.96E-02	0.000	1.20E-02	0.000	8.92E-02	0.000	2.84E-02	0.000	0.003	0.038	0.038	0.000	8.29E-01	0.002	5.91E-03
ater Truck (DSL) ¹	T6 CAIRP heavy	32	42.2	42.2	36.4	5.8	0.0	1	1.36	0.1	1.36	0.096	4.93E-02	0.005	0.00	0.000	0.00	0.000	1.48E-02	0.001	1.20E-02	0.001	1.30E-01	0.012	1.42E-02	0.001	0.003	0.000	0.026	0.002	2.59E-01	0.024	9.33E-03
apport Light Heavy Duty Trucks (2, DSL)	LHD1	4	5.3	5.3	4.5	0.7	0.0	1	2.74	0.0	0.00	0.000	1.93E-01	0.001	0.00	0.000	0.00	0.000	3.34E-02	0.000	1.20E-02	0.000	7.64E-02	0.001	3.19E-02	0.000	0.003	0.000	0.056	0.001	7.69E-02	0.001	8.98E-03
ractor Trailer Delivery (DSL)	T7 CAIRP	1	1.3	1.3	1.1	0.2	0.0	1	2.30	0.0	2.23	0.005	2.10E-02	0.000	0.00	0.000	0.00	0.000	3.09E-02	0.000	3.60E-02	0.000	6.17E-02	0.000	2.96E-02	0.000	0.009	0.000	0.026	0.000	1.95E-01	0.001	1.19E-02
ractor Trailer RNG 4 trips/mo																																	
arpool Vehicles (2, Gas)	LDT1	2	2.6	2.6	2.3	0.4	0.0	1	0.05	0.0	0.23	0.001	1.13E-02	0.000	0.30	0.001	0.63	0.003	1.48E-03	0.000	8.00E-03	0.000	3.68E-02	0.000	1.36E-03	0.000	0.002	0.000	0.016	0.000	7.08E-01	0.004	2.81E-03
otals	·			55	47.7	8	0			0.187		0.102		0.007		0.001		0.003		0.002		0.002		0.014		0.002		0.039		0.004		0.037	
Prorated by Mile										3.38E-03		1.84E-03		1.35E-04		2.40E-05		5.01E-05		3.87E-05		2.73E-05		2.55E-04		3.70E-05	;	6.97E-04		6.47E-05		6.77E-04	1.

JSRL DEIR Appendix B Attachment O2

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Notes:

1: The values for ROG and CO from the flare represent the detection limit. The actual value will be lower.

2: Described as VOC in CEQA Guidelines (Assume ROG is synonymous)

3: Described as NO_X as NO₂ in CEQA Guidelines. Assume all NO_X is NO₂ for this analysis.

4: Describes as SO_X as SO₂ in CEQA Guidelines. Assume all SO_X is SO₂ for this analysis.

T-LL- 02 12 V-L:-L-	W-1-14 4	(
Table O3.13 Vehicle	weight Assumption	ins (assumes full load	in and empty out)

Category	Type	Percent	GVW, lb	NVW, lb	Average, lb	Av Tons
Small Vehicle (Public /Self Haul)	Ford F250 Gross Weight	NA	9,900	7,700	8,800	4.4
In County Commercial	Garbage Truck	NA	51,000	31,000	41,000	20.5
Out of County Commercial	Waste Transfer Truck	NA	75,000	33,000	54,000	27.0
Support Vehicles For Construction						
Average of:	Miles					
Ford Mechanic Truck (DSL)	2	5%	14,000	8,600	11,300	5.7
Ford F450 Flat Bed (DSL)	1	2%	14,000	8,600	11,300	5.7
Water Truck (DSL), 4,000 gal	32	76%	63,000	29500	46,250	23.1
Support Light Heavy Duty Trucks (2, DSL)	4	10%	14,000	8,600	11,300	5.7
Tractor Trailer Delivery (DSL)	1	2%	75,000	33,000	54,000	37.5
Carpool Vehicles (2, Gas)	2	5%	51,000	31,000	41,000	25.5
Total	42				Weighted Average	20.7
Off Road Dump	CAT 740	NA	162,399	78,632	120,516	60.3

GVW: Gross vehicle weight including load
NVWL Net vehicle weight or:"curb weight" without load
Source:
US. EPA, Fifth Edition AP-42, Section 13.2.

Grading Equipment Passes Use for graders, loaders, rubber tired dozers, and scrapers to scrape or push soil

 $EF_{PM15} = 0.051 \text{ x (S)}^{2.0}$, and $EF_{PM10} = EF_{PM15} \text{ x } F_{PM10}$. Used for PM_{10}

EF_{TSP} - 0.4 x (S) $^{2.5}$, and EF $_{PM2.5}$ = EF_{TSP} x F_{PM2.5}, Used for PM_{2.5}

Source: CalEEMod 2020.4.0, Appendix A Page 8

Where:

EF = emissions factor (lb/VMT)			Typical grading areas	Acres per day
S = mean vehicle speed (mph)	AP-42 Default =	7.1	Crawler Tractors (Dozer)	0.5
$F_{PM2.5} = PM_{2.5}$ scaling factor.	AP-42 Default =	0.03	Graders	0.5
$F_{PM10} = PM_{10}$ scaling factor.	AP-42 Default =	0.6	Rubber -Tired Dozers	0.5
			C	

1.543 lb/VMT 0.227 lb/VMT

JSRL DEIR Appendix B

Attachment O2

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APPENDIX D

WATER SUPPLY TECHNICAL MEMORANDUMS



Technical Memo John Smith Road Landfill Long-Term Water Use

July 8, 2022

Introduction

John Smith Road Landfill (JSRL or Landfill) retained Lawrence & Associates (L&A) to estimate the projected water usage for the proposed Landfill expansion project for the purposes of evaluating potential water sources for the projects future demand. Current and projected water use for the project are generally described in the Design Basis Report for the project, however; this Technical Memo provides a more in-depth effort to evaluate current water use, model future water use, and provide projected seasonal water-use needs.¹

JSRL, similar to other landfills, consumes a significant quantity of water for dust control. Other water uses, such as domestic uses (toilets flushing and sinks) are negligible by comparison. Dust control falls into two categories (1) regular landfill operations and (2) construction. Operations occur seven days per week with most public traffic on the weekends and most commercial traffic on weekdays. Module (liner) construction projects are anticipated to occur every two years. Partial-final closure cap construction projects will occur less frequently based on when the landfill surface grade ceases settling and when needed to optimize landfill gas collection (LFG) efficiency. It is assumed that partial final closure projects would not typically be performed during the same construction year as a module construction project, unless soil is hauled from a module construction to a closure area (in lieu of a stockpile) to reduce soil handling.

Historical Water Usage

Historically, most water for JSRL has been obtained from the Sunnyslope Water District via a fire hydrant approximately 3 miles from the Landfill and transported to the Landfill via a water truck. The Landfill has several unlined stormwater basins from which a small amount of the landfill's water has been obtained. Use of stormwater has not historically been recorded and is

3590 Iron Court • Shasta Lake, California 96019 • (530) 275-4800 • fax (530) 275-7970 • <u>www.lwrnc.com</u>

¹ Lawrence & Associates, November 2021, Design Basis Report for the John Smith Road Landfill Expansion, San Benito County, California.

assumed to be negligible in comparison to imported water. Because the basins are unlined, water infiltrates gradually and stormwater is typically only available for a short time (days to weeks) after storm events. The ponds are dry during the summer when water needs for dust control are highest. Leachate from the landfill's leachate collection and recovery system (LCRS) and condensate from the landfill's LFG-collection system are disposed to the sewer and are not currently used for dust control.

Table 1 (Attachment A) presents the available data from the Sunnyslope Water District and contractor invoices for 2018 through 2021. Typically the Landfill pays for site-operation water and the construction water is paid for directly and invoiced by the construction contractor. The only full year without construction was 2021, when approximately 2.44 million gallons of water was used for site operations. During construction of Modules 7/8B and 7/8C in 2019 and 2020, respectively, the water use for site operations was significantly less than 2021 (22% and 31%) less, respectively) suggesting that a portion of the construction water offset operational uses and the water related strictly to construction was significantly less than reported by the contractor. Conversely, for the partial year if 2018, it appears that the construction water did not offset water for site operations. When subtracting water likely used for operation, construction water ranged from 1.6 to 2.1 million gallons (2,140 HCF to 2,807 HCF with an average of 2.47 HCF) per project.² Assuming water use is more likely proportional to bulk excavation volume, water usage ranged from 5.36 to 12.24 gallons per cubic yard of excavation with an average of 7.83 gallons per cubic yard. For some reason, the water use for the relatively small (2.77 acre) Module 7/8B was significantly higher than Modules 7/8A and 7/8C and may be an outlier. Without Module 7/B, the average would be 5.62 gallons per cubic yard.

Projected Water Usage

Potential generation of dust is proportional to travel distance and traffic rate for a given road surface type. Unpaved roads have the potential to generate the greatest amount of dust, graveled roads less so, and paved roads very much less so. Paving roads provides greater than 90% control efficiency (1-[dust generated after control measure is applied divided by dust generated before control measure]) when compared to unpaved roads (Countess, 2006).³ Application of water to prevent mobilization of dust is a common control measure for unpaved roads. Vacuum sweeping is commonly used to control dust on paved surfaces. In areas of mud or soil, track-on from unpaved to paved area (and subsequent dust) is commonly controlled by rumble plates, and water flushing followed by vacuum sweeping.

² 2021 operations water minus 2020, 2019, and 2018 annual operations water and then subtract the result for reported construction water. See "Corrected Construction Water" on Table 1 in Attachment A.

³ Countess Environmental, September 7, 2006, WRAP [Western Regional Air Partnership] Fugitive Dust Handbook. Prepared for Western Governors' Association, Denver Colorado.

A purpose of this memo is to provide an estimate of the water usage for the proposed landfill operation and for each construction project, of which most will be used for dust control. As described below, water usage is based on average traffic and road lengths as obtained from the baseline condition and the scenarios in Figures B7 through B12 in Appendix B to the Draft Environmental Impact Report (DEIR) dated November 2021 and Figures 38 through 41 in the Design Basis Report. ^{4,5} The scenarios were developed to focus on emissions closest to the property line. For the purpose of water usage, however, the length of gravel roads for waste hauling have been doubled (in Table 4) to better represent the average length during operation of the Landfill. Copies of Figures B7 through B12 are included in Attachment B to this Memo.

For the purposes of estimating future water usage conservatively, this analysis does not assume that use of landfill leachate, condensate, or the use of dust palliatives would reduce water consumption, however, they may be used in the future and may reduce water usage.

Module construction is projected to occur on average every two years with peak construction trips and dust generated during the bulk excavation and clay-screening phase of construction when several heavy off-road trucks are hauling soil from the excavation area to the stockpile area and concurrently soil screening is occurring. As described in Section 5.5.5 of the Design Basis Report, the module project bulk soil excavation is anticipated to range from 113,000 to 221,000 cubic yards per project (as much soil as possible is excavated for daily and intermediate cover prior to project excavation) in five- to 10-acre lined area module construction projects. While the Module construction acreage is anticipated to be generally larger (average of 7.9 acres) than projects described in Table 1, the bulk excavation volume is expected to be generally lower.

Construction of portions of the final closure cap or "partial final closure" projects will be performed as portions of the Landfill reach their final elevations and have undergone sufficient settlement so that they have a relatively fixed geometry prior to cap placement. The frequency of partial final closure project cannot be predicted, but could occur every five to 10 years and cover 15 to 29 acres, respectively. Depending on the closure cap type (conventional; with 3.5 feet of soil and geomembrane or evapotranspirative; with 4 to 5 feet of soil added), the bulk excavation and soil placement could range from 85,000 cubic yards to 235,000 cubic yards. Soil would typically be obtained from the nearest future Module to minimize soil excavation for Module construction. Based on bulk excavation volume, it is anticipated that water needs for a Partial Final closure project would be less than or equal to a Module construction project.

⁴ Lawrence & Associates, 2021, *Appendix B, Air Quality Calculations for John Smith Road Landfill Expansion*, Scenarios 1 through 5 in Attachment O.

⁵ Lawrence & Associates, November 2021, *Design Basis Report for the John Smith Road Landfill Expansion, San Benito County, California.*

The most water intensive construction use typically occurs during the bulk excavation phase in two to three months during the late spring and early summer. Less intense water usage is required during other parts of the construction process, such as during clay liner and geosynthetic placement.⁶

Traffic

Operations Traffic

Potential dust generating activities during landfill operations include the following:

- Customer traffic on paved roads.
- Customer traffic on graveled roads.
- Customer traffic in the unloading area.
- Operator equipment to compact and bury the waste.
- Operator traffic to excavate, haul, and place daily soil cover.

Among currently implemented Best Management Practices (BMPs) are:

- Paved entrance area to eliminate soil exposure and provide a cleanable surface.
- Graveling roads to reduce soil exposure.
- Watering to reduce dust mobilization.
- Reducing watering when needed, to reduce the potential for mud tracking.
- Rumble plates at the transition between the graveled and paved road to prevent track-on.
- A wheel wash used during muddy (rainy) periods to reduce track-on.
- Vacuum sweeping to collect tracked dust from paved surfaces.
- Pavement washing followed by vacuum sweeping to remove adhered mud.

As the landfill expands, the length of both paved and graveled roads will increase, thereby increasing the potential for more water use.

As described in the Design Basis Report the current average (baseline) traffic is:⁷

• In-County Public Vehicles (mostly pickup truck and small trailers, including employees): 188 trips/day.⁸

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Most moisture conditioning of the clay occurs when it is screened and stacked so that it is delivered to the area of installation on the module floor at the desired moisture content. Water is used to maintain moisture at a less intense rate than during the bulk excavation and clay screening phase.

⁷ Lawrence & Associates, November 2021, Design Basis Report for John Smith Road Landfill Expansion. Attachment E.

A trip is both into the Landfill and then out of the Landfill. Trips both ways are accounted for by assuming two lanes for each trip; one in and one out.

- In-County Commercial Vehicles (garbage trucks, roll-off bin trucks, dump trucks): 31 trips/day.
- Out-of-County Commercial Vehicles (Semi trucks with transfer trailers): 36 trips/day.
- Operational support vehicles that travel to the working face: 8 trips/day.
- Total of 263 trips.

The totals vary with season and day of the week; however, these totals provide an average for water usage evaluation. Currently, all of the vehicles travel to the landfill working face to unload; the unloading area covers approximately a 200-foot-wide by 100-foot-long area (0.5 acres). Waste is currently spread and compacted using a dozer and trash compactor. Soil for daily cover is excavated from a stockpile east of the Landfill by an excavator and hauled by an off-road dump truck to the working face on unpaved and gravel roads. Tarps are used for daily cover to reduce soil usage; however, several 20 cubic yard loads of soil are needed each day to cover waste. Ancillary equipment includes fuel truck, mechanic truck, loader, backhoe, motor grader, and semi stationary truck tipper, which are used infrequently. A vacuum sweeper and water truck are used for dust control.

As described in the Design Basis Report, average traffic will gradually increase over a 15-year period as average daily tonnage increases from roughly 923 to 2,123 tons per day until it reaches the following average totals in 2036:

- In-County Public Vehicles (mostly pickup truck and small trailers): 208 trips/day.
- In-County Commercial Vehicles (garbage trucks, roll-off bin trucks, dump trucks): 34 trips/day.
- Out-of-County Commercial Vehicles (Semi trucks with transfer trailers): 95 trips/day.
- Operational support vehicles that travel to the working face: 8 trips/day.
- Total of 345 trips/day.

Subsequently, average public trips would gradually increase to 232 trips and in-County commercial would gradually increase to 38 trips per day by 2070, an increase of 24 public trips and four in-County commercial trips. Out-of-County truck trips would decrease by one to 94.9

The proposed project includes a public unloading area near the entrance at which in-County Public vehicles would unload and not travel to the landfill working face. The currently described configuration assumes four 30-cubic roll-off bins with room for up to 12 unloading spaces.

According to the Operator, approximately 50% of the public deliver waste in trailers, approximately 20% have tilt trailers that can unload automatically. At some landfills only tilt

⁹ Design Basis Report Attachment E change in truck trips between 2036 and 2070.

¹⁰ Pers Comm.: Roger Brown, April 18, 2022.

trailers are allowed to proceed to the working face. ¹¹ For the project, it is assumed that loads with trailers will proceed to the working face. Therefore, for the project, 50% of the public loads will not travel to the working face (116 trips as of 2070). ¹² Assuming an average of 440 pounds per load ¹³ and 435 lbs per cubic yard for loose waste ¹⁴ (1.01 cubic yards per load), a 30-cubic yard bin would hold waste from approximately 30 loads. An average of 116 loads would fill 3.9, 30-cubic yard roll off bins per day and 4 trips per day would be generated to unload the roll-off bins.

• Average total trips that continue to the working face (as of 2070): 260 trips. 15

For the proposed project, the average number of vehicles traveling to the working face would be slightly less than the baseline traffic. The trips on busy days would be higher and lower on slow days, however average trips is useful for estimating long-term water usage over the period of a year.

It is likely that a second bulldozer, trash compactor, and soil haul truck would be added to accommodate peak disposal rates for the proposed project (Design Basis Report, Table 27) and, as a result of the increased daily tonnage, the working face would double in size (from 0.5 to 1 acre). The ancillary equipment would remain similar but may see more frequent occasional use. The vacuum sweeper would likely be used more frequently with longer paved roads. For the proposed project, it is assumed that a larger one-acre unloading area at the working face will be used.

Construction Traffic

As described above, module construction would occur every two years and partial final closure every five to 10 years, with peak potential dust generating activity and water usage during the bulk excavation phase of construction, lasting from two to three months starting approximately April 15 and ending around July 15 of each construction year. The greatest potential for dust during this period is from excavation of soil, hauling on an unpaved road and deposition into a stockpile. Based on Attachment O to DEIR Appendix B (included in Attachment C to this memo), soil hauling trips would average 239 trips per day during this period, typically on

¹¹ Such as West Central Landfill in Shasta County, California.

The operator reports that from April 1, 2021, to March 31, 2022, 58.6% of the loads did not have trailers and 41.4% did have trailers. 50% is considered a conservatively high proportion travelling to the working face. Personal Comm Jamison Pfister, June 20, 2022.

¹³ Email from Jamison Pfister June 22, 2022, Average of 0.22 tons per public load without trailer.

¹⁴ CalRecycle FacIT.

From previous paragraphs: 116 public trips + 38 in County commercial trips + 94 truck trips + 8 staff + 4 roll-off bin trips.

weekdays. ¹⁶ Another 42 trips are assumed for support purposes. Two thirty nine off-road dump truck trips per day provides capacity to move approximately 6,000 cubic yards of soil per day from the excavation area to the stockpile area. Assuming the upper end of the projected soil excavation per project of 225,000 cubic yards, times a 1.25 multiplier for potential higher than average excavation, 281,250 cubic yards per project were projected for bulk excavation.

Road Lengths

Water usage depends on the road length for each type of road and area including the following:

- Unpaved Road
- Gravel Road
- Paved Road
- Paved Road / Gravel Road interface (track-on)
- Tipping Pad travel distance
- Construction excavation area
- Construction stockpile area

Tables 3 and 4 in Attachment A show the road lengths and area assumed for dust-control water estimation. The baseline road lengths from Attachment O of Appendix B of the DEIR were used to calibrate/verify the current water usage. The road lengths for the five scenarios in Attachment O were averaged to estimate the projected average dust-control water usage. Copies of the figures showing the scenarios are attached to this Memo in Attachment B. Scenario 1 is generally the closest to the landfill entrance and would have the shortest road lengths. Scenario 5 is the farthest from the entrance and will have the longest travel paths. Scenarios 2 through 4 have intermediate road lengths. Average module construction areas are assumed to be 11.19 acres; larger than the projected average of roughly 7.9 acre per module.

Water Consumption Calculation

Domestic Water Usage

The current and projected domestic water use described in Attachment A were obtained from the Design Basis Report.¹⁷

Lawrence & Associates. December 2022, Appendix B, Calculations for Air Quality and Greenhous Gas Climate Change, Proposed Landfill Expansion, John Smith Road Landfill, San Benito County, California. Attachments O3 through O7 (See example in Attachment C).

Lawrence & Associates, November 2021, Design Basis Report for the John Smith Road Landfill Expansion, San Benito County, California, November 2021, Table 14; current 250 gallons per day; Proposed 300 gallons per day.

Water Use for Dust Control

Unpaved and Gravel Roads

Water for dust control on unpaved roads has been described in AP-42, Section 13.2.2 and other references. Water for dust control is described in terms of application rate and frequency of application. After water is applied, it gradually evaporates from the soil surface and must be reapplied to maintain the desired control efficiency (Muleski & Cowherd, 2021). Water must be applied at a rate that will reduce mobilization of dust while not creating a saturated surface that will cause mud and promote tracking onto adjacent paved roads. The water application rate and frequency are proportional to the evaporation rate and the traffic that passes over the road.

Equation 3-2 from Cowherd (1988) was used to calculate water use in gallons per pass for dust control on unpaved and gravel roads for a given control efficiency and traffic.²⁰

C = 100 - ((0.8 p d t)/i), and

for a given control efficiency to obtain application rate:

i = -0.8 p d t / C-100

Where:

C = average control efficiency, percent

p = average hourly daytime evaporation rate, mm/hr

d = average hourly daytime traffic rate, (trips per hour; h-1)

i = water application intensity, L/m2 per application

t = time between applications, hr

The required control efficiency for each road type was obtained from the modeled control efficiency shown in Attachment O of Appendix B to the DEIR.

For operations, the average annual evaporation rate of 3.92 mm/day (1431 mm/yr) was used and assumes that all of the water evaporates during the 12 hours of daylight during the day (0.33 mm/hr). ²¹ Because construction occurs mostly during the summer, the average evaporation rate

¹⁸ USEPA, January 1995, *AP-42, Compilation of Air Emissions Factors*, Office of Air Quality Planning and Standards, Section 13.2.2 Unpaved Roads updated November 2006 and Section 13.2.1, Paved Roads Updated January 2011.

Muleski, Gregroy E., and Cowherd, Chatten, April 2001, Particulate Emissions from Controlled Construction Activities, EPA/600/R-01/031.

²⁰ Cowherd, C., et al., September 1988, Control of Open Fugitive Dust Sources, EPA-450/3-88-308.

²¹ DWR 1976, Evaporation from Water Bodies in California, Hollister Costa Station.

for May through September was used (871 mm / 5 months / 30.42 days per month divided by 12 hours -0.48 mm/hr).

Assuming the landfill is open for 8 hours, average daily traffic described above (260 trips for operational traffic or construction-specific trips per Table 4) was divided by 8 hours to obtain the hourly daytime traffic rate.

The time between applications was based on use. For publicly accessed roads, two applications per day were assumed. For unpaved construction haul roads where a high control efficiency was required, four passes per day were selected. For roads used infrequently, such as the haul path from the stockpile to the working face for daily cover, one pass was assumed. For a given control efficiency, as the number of passes increases, the application rate per pass decreases.

Tables 4 and 5 in Attachment A show the application rate calculations for the operations (waste delivery) and construction, respectively. The application rate and passes were multiplied by the road length times width (assume two lanes of 12 feet; 24-feet for two-way traffic), to obtain the average water usage for each road type. Both construction (soil excavation) and waste delivery traffic tend to follow paths across the tipping area, excavation area, or stockpile that change from day to day. For those areas, it was assumed that a travel path equaling the length of the pad times 24 feet wide. As described above, the length of the graveled waste haul paths for waste delivery were doubled to more conservatively model water needs for waste delivery.

Paved Roads

Paved roads provide dust control by preventing exposure of soil to traffic. For a landfill, the predominant cause of dust on paved roads is by track-out from vehicles leaving unpaved roads and to a lesser extent gravel roads onto paved roads. Track-out occurs on and following rainy days when the soil is wet enough to create mud that sticks to tires and is tracked onto paved areas and then released onto paved roads, where it can later dry and create dust. According to Countess 1988, minimizing track-out provides 40 to 80% control efficiency for paved roads and removing deposits on roads ASAP provides greater than 90% control efficiency.

The Landfill currently uses a combination of gravel tracking pads (46% control efficiency) and rumble pads (up to 80% control efficiency) to remove mud from tires, and operates a wheel wash to remove mud from tires during, and two days after, rainy periods. In addition, the paved roads are vacuum swept as needed to collect the remaining dust. When needed, the paved area subject to track-out is flushed with water followed by vacuum sweeping to remove adhered mud. It is anticipated that the same practices will continue during expansion, except that a larger wheel wash is incorporated.

For the purposes of water usage, it is assumed that the wheel wash will be used every day in which rainfall exceeds 0.1 inches (30 days) and two days thereafter (total of 90 days). The wheel wash recirculates water, however, according to the operator approximately 1,000 gallons per day is needed to replace water lost in the washing process. For the expanded landfill, it is anticipated that a large truck wash will be installed and will use double the water requirements of the current truck wash.

For track-out pavement cleaning Table 2-4 in Cowherd, 1988, using flushing followed by vacuum sweeping, recommends 0.48 gallons per square yard (gpsy) with the frequency of application dependent on the traffic rate:

 $E = 96 - 0.263 \text{ V}^{c,d}$

Where:

E = Dust control efficiency, percent

96 = Base dust control efficiency, percent

 $V^{c,d}$ = Vehicles passes since last application, assuming water applied at 0.48 gal/yd² (0.05 gal/sf).

In areas other than those receiving track-out, vacuum sweeping is performed to attain 46 to 75% percent control efficiency (depending on the reference, Cowherd, 1988, Table 2-4 and Ohio EPA 1988, pp. 2-14 on a bi-weekly schedule). According to Ohio EPA (1988), a weekly water flushing for an industrial site is anticipated to have an effective control efficiency of 80%. Because there is no established control efficiency equation for paved roads to establish water usage, on Attachment A water consumption was calculated similar to 90% control efficiency for an unpaved road assuming two passes per day. However, the water is likely to be used less frequently and for a greater application rate for periodic pavement flushing. The exact usage pattern cannot be predicted, but the approach described above is anticipated to provide a conservatively high water usage rate.

Comparison to Another Site

L&A obtained water usage data for January 2020 through May 2021 from Avenal Regional Landfill (ARL), in Avenal, Kings County California, approximately 25 miles east of JSRL. ARL receives less rainfall than JSRL Landfill, and during the water use period had longer graveled roads than the projected average for JSRL (ARL 1.36 miles; JSRL 0.29 miles), but shorter paved roads than the projected lengths for JSRL (ARL 0.19 miles; JSRL 1.00 miles). During the 17-month period described above, ARL consumed 4,707,587 gallons or an average approximately

Ohio Environmental Protection Agency (Ohio EPA), 1980, Reasonably Available Control Measures for Fugitive Dust Sources, 'RACM".

3,322,996 gallons per year (10.2 acre-feet) for landfill operations. In addition, 147,000 gallons of leachate were used for dust control in a year period for a total of 3,469,996 gallons. This is considerably less than projected for JSRL in Attachment A (5,258,000 gallons per year) and could indicate that the equations used above overestimate water usage. For the purposes of projecting water usage, however, a conservatively high projected water use would be beneficial to ensure adequate quantity of water is planned for over the long term.

Summary

Table 2 in Attachment A summarizes the average modeled baseline and project water usage for the Landfill operations. The baseline water usage was calculated to determine whether it predicted the water usage for operations reported by the operator. The modeled water usage matched the approximate operations water usage reported by the operator for 2021 (non-construction year) and the model was determined to provide a reasonable predictor of future average water usage for operations.

The projected average annual water usage was estimated based on projected trips to the working face and average road length. As described above, the roads will gradually lengthen as modules farther from the entrance are developed and the paved surface will gradually lengthen as well. Because of the implementation of the public tipping area the average traffic travelling to the working face will be similar to or less than the current traffic and the average annual water usage over the life of the Landfill is projected to increase approximately 116% over the current operational water usage. As the distance from the entrance increases, the change in water usage is estimated to initially be less than projected average water usage (80% for Scenario 1) and then increase as road lengths increase reaching 110% of average projected water usage near the end of the landfill site life (Scenario 5).

As shown on Tables 3 and 4 in Attachment A, the current average water usage for operations is approximately 2.4 million gallons per year (7.59 acre-feet or 3,300 HCF per year). The modeled average projected water usage would be approximately 5.3 million gallons per year (16.14 acrefeet or 7,000 HCF per year), but could range from 4.2 million gallons per year (12.93 acre-feet or 5,631 HCF per year) initially using Scenario 1 to 7.0 million gallons per year (17.83 acre feet or 7,765 HCF per year) near the end of landfill site life using Scenario 5.

Table 5 in Attachment A shows that either a module construction project or a partial-final closure construction project would require an average of approximately 2.2 million gallons of water (6.64 acre feet or 2,891 HCF) of water, more than used historically for construction projects described above (average of 1.9 million gallons). The water usage would vary with the length of construction roads, excavation area, stockpile area, and bulk excavation quantity. It is estimated that approximately 1.8 million gallons (5.39 acre feet or 2,350 HCF) would be

required for Scenario 1. For Scenario 5, 2.6 million gallons (8.13 acre feet or 3,542 HCF) would be required.

Table 2 in Attachment A summarizes the water usage for a Module construction project by season. Using the ratio of trips per season provided by the operator, the average projected water usage was prorated by season. For the purposes of estimating short term water demand from a water source such as a well, the average gallons per minute for each season for both operations and construction were estimated based on consumption during an 8-hour day. If storage at the water source is provided, the 24-hour average would be 1/3 of that required on an 8-hour basis.

The following Table summarizes the average water flow requirements for operations and construction.

Season	Modeled Future from Operations gpd	Modeled Future Water Truck Loads per Day ¹	Modeled Average from Operations gpm for 8 hr day ²	Approximate Construction Peak Loads per Day ^{1,5}	Construction Project Add gpm for 8 hr Weekday (peak) ^{2,5}	Combined Demand, gpm for 8 hr Day ²
Spring (March-May)	12,100	3	25	$0.2^3 (8^4)$	$1.4^2 (57^3)$	82
Summer (June-August)	28,300	8	59	8	57	116
Fall (September -						
November)	12,100	3	25	2	12	37
Winter (December -						
February)	4,000	1	8	0	0	8

Notes:

- 1: Based on 3,600 gal/load.
- 2: If sufficient storage is provided, the required flow would be 1/3 of the flow shown.
- 3: Typically prior to April 15.
- 4: Typically after April 15.
- 5: Average is less. See Table 5 in Attachment A.

Should a well be provided for operational water use, an average flow of 59 gpm would be required for operations during the summer assuming use during an 8-hour day. During construction, an average additional 57 gpm would be required during an 8-hour day. ²⁵ At other times during an average year, the required flow would be less than 59 gpm for operations and 57 gpm for construction. The required flow for operations would range from approximately 20% less than the average of 59 gpm during initial landfill expansion (47 gpm) when roads are shorter and approximately 10% more than 59 gpm during later portions of the landfill expansion when the roads are longer (65 gpm). ²⁶

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²⁵ Some contractors elect to work 5, 10-hour days, and the average would be less when divided over 10 hours.

²⁶ Based on footnotes 10 and 11 on Table 4 in Attachment A.

It is understood that because wells installed within the property would not produce sufficient water, it is the intent of the operator to store stormwater runoff and use the water for operational uses and construction projects. The flows described above are intended to be for specifying needs for short term water supply should there be insufficient stored water.

Water usage could be reduced by the use of dust palliatives; however, an assessment of dust palliatives is not included in this analysis.

As described above, operation water average 5.3 million gallons per year (16.14 acre-feet or 7,029 HCF per year). Construction projects would be expected to add an additional 2.2 million gallons (6.64 acre-feet or 2,891 HCF per construction event) per year, although these projections are anticipated to be conservatively high.

L&A understands that once lined ponds are installed early in the expansion of the Landfill, much of the water would be obtained from the ponds and the above totals do not represent water demand from a water utility, except potentially the first project when the ponds would be installed.

Limitations

Water use, primarily for dust control was estimated for the purposes of identifying the water storage needs for the project. Because the projected water use is based on modeling using reasonable assumptions and annual averages, and because weather and climate conditions vary, the day-to-day and seasonal needs will be more or less than described in this memo. This analysis includes only water usage to operate and construct a landfill and does not include water for items outside of this scope (e.g., composting).

Attachments

Attachment A. Tables.

Attachment B. Figures from Air Quality DEIR Appendix B.²⁷

Attachment C. Excerpts from Attachment O to Air Quality DEIR Appendix B.²⁸

²⁸ *Ibid*.

²⁷ Lawrence & Associates. December 2022, Appendix B, Calculations for Air Quality and Greenhous Gas Climate Change, Proposed Landfill Expansion, John Smith Road Landfill, San Benito County, California.

Attachment A

Table 1

John Smith Road Landfill Historical Water Usage

Assume gallons/load =

3600

Note: Leachate and Condensate were not used for dust control

MONTH		YE	AR			YEA	AR			YE	AR			YEA	R			YE	AR	
		20	18			201	19				020			202	1				022	
	USAGE			AVG	USAGE			AVG	USAGE	USAGE		AVG	USAGE	USAGE		AVG	USAGE	USAGE		AVG
	(HCF)	USAGE (GAL)	LOADS	LOAD/DAY	(HCF)	USAGE (GAL)	LOADS	LOAD/DAY	(HCF)	(GAL)	LOADS	LOAD/DAY	(HCF)	(GAL)	LOADS	LOAD/DAY	(HCF)	(GAL)	LOADS	LOAD/DAY
SUNNYSLOPE																				
JANUARY		-	-	-	37	27,678	8	0.2	25	18,701	5	0.2	103	77,049	21	0.7	53	39,647	11	
FEBRUARY		-	-	-	37	27,678	8	0.3	90	67,325	19	0.7	102	76,301	21	0.8	101	75,553	21	0.7
MARCH		-	-	-	16	11,969	3	0.1	140	104,727	29	0.9	202	151,107	42	1.4	141	105,475	29	
APRIL		-	-	-	117	87,522	24	0.8	36	26,930	7	0.2	231	172,800	48	1.6	179	133,901	37	
MAY		-	-	-	247	184,769	51	1.7	149	111,460	31	1.0	298	222,919	62	2.0	110	82,286	23	0.7
JUNE	326		68	2.3	230	172,052	48	1.6	171	127,917	36	1.2	412	308,197	86	2.9		-	-	-
JULY	640	478,753	133	4.3	402	300,717	84	2.7	224	167,564	47	1.5	457	341,860	95	3.1		-	-	
AUGUST	706		147	4.7	349	261,070	73	2.3	280	209,455	58	1.9	464	347,096	96	3.1		-	-	-
SEPTEMBER	556		116	3.9	372	278,275	77	2.6	346	258,826	72	2.4	425	317,922	88	2.9		-	-	
OCTOBER	369	-,	77	2.5	373	279,023	78	2.5	301	225,164	63	2.0	312	233,392	65	2.1		-	-	
NOVEMBER	421	314,930	87	2.9	302	225,912	63	2.1	387	289,496	80	2.7	168	125,673	35	1.2		-	-	
DECEMBER	81	,	17	0.5	80	59,844	17	0.5	136	101,735	28	0.9	94	70,317	20	0.6		-	-	
OPERATIONS TOTAL	3,099	2,318,213			2,562	1,916,509			2,285	1,709,299			3,268	2,444,634			584	436,862		
Module		7/8A				7/8B				7/8C										
Lined Area, Acres		6.24				2.77				4.78										
Bulk Excavation, CY		323,500				172,000				300,405										
Bulk Embankment, CY		11,000				19,600				-										
CONTRACTOR WATER	2,546				3,520	2,633,143			3,134	2,344,395				-				-		
WITH CONSTRUCTION	5,645	4,222,754			6,082	4,549,652			5,419	4,053,694									<u> </u>	
Analytics																				
Corrected Construction Water, gallons ¹		1,904,540				2,105,018	l			1,609,060	Average	1,872,873								
Construction water, gallons per acre		305,215				759,934				336,623	Average	467,258								
Construction water, gallons per cubic yard		5.89				12.24				5.36	Average	7.83		Average with	hout Modu	le 7/8B	5.62			

Notes

1. For 2019 and 2021, it appears that the contractor provided some of the operations water. Assuming 2021 (non-construction year) operational water reflects typical operational water use, the difference between the 2021 and 2020 and 2019 operations water was subtracted from the respective construction water total to generate approximate water related strictly to construction.

Attachment A

John Smith Road Landfill Water Usage

Average Water Usage Projection

Note that the water usage will be more or less during any given year.

Table 2 Summary Operations and Construction - Water Usage Summary For Short Term Well Sizing

Tuble 2 Summary Operations and Construction Trates	0										
											Total gpm for
						Modeled	Modeled	Modeled	Modeled		Peak
	Historical			Modeled	Modeled	Current	Future	Future	Future	Construction	Construction
	Approximate	Historical		Current	Current	Operations	Operations,	Operations,	Operations	Project Peak, Add	and Average
	Water Truck	Approximate	Seasonal % of	Operations,	Operations,	Average, gpm	gpd	Loads per	Average, gpm	gpm for 8 hr	Operations 8
Season	Loads per Day ¹	gpd ²	Average	gpd (rounded) ³	Loads per Day⁴	for 8 hr day	(rounded)⁵	Day⁴	for 8 hr day ⁶	Weekday (peak) ^{6,7}	hr day (peak)
Spring (March-May)	3	10,800	84%	5,600	2	12	12,100	3	25	57	82
Summer (June-August	7	25,200	196%	13,100	4	27	28,300	8	59	57	116
Fall (September -November)	3	10,800	84%	5,600	2	12	12,100	3	25	12	37
Winter (December - February)	1	3,600	28%	1,900	1	4	4,000	1	8	0	8
Average Based on 365 days per year	4	10,959		6,550	2	14	14,125	4	29	NA	
Average Used for Calculation of Seasonal Proportion		12,850				Change	116%		10		

Notes:

- 1: Typical condition during dry day irrespective of annual average. Used solely to model seasonal ratio of trips.
- 2: Trips x 3,600 gallons, used solely to model seasonal ratio of trips. 365 day average is based on 2,444,000 gallons per year as described in Table 1 for 2020.
- 3: Assumes averages over 365-day period, difference between current and model is the result of rounding errors.
- 4: Modeled gpd / 3,600 gal.
- 5: The difference in average between the average and Table 3 is the result of rounding and variations in days per year that water is used. Assumes 7 days/week 365 days per year. Day-to-Day will vary.
- 6: This is based on an average 8 hours per day. With sufficient storage, a water source with 1/3 the described flow rate pumping over a 24-hour period could be used.
- 7: Does not happen every year.

Table 3 - Water Usage from Current Operation

				Application		Water Truck			Gal/Day	
	Existing	Assumed		Rate gpsf per	Water per	Passes Per	Water Truck	Watering	Annual	
Location	Scenario, Miles	Efficiency %	Road Area. sf ²	Pass ⁶	Day, gal	Day	Loads /Day ⁸	Days/year	Average	Gal/Year ⁹
Track-on paved road vacuum sweeping/washing ¹	0.038	50	4,800	0.053	1,024	4	0.28	90	252	92,160
Paved road watering (dry periods) ³	0.190	25	24,077	0.023	549	1	0.15	271	408	148,762
Truck wash ⁴	NA	NA	NA	NA	1,000	NA	0.28	90	247	90,000
Gravel road	0.77	73	97,574	0.032	6,180	2	1.72	271	4,588	1,674,656
Cover Soil Haul Route Unpaved Road	0.55	73	69,696	0.015	1,070	1	0.30	271	794	289,984
Tipping Pad	0.5	54	21,780	0.009	202	1	0.06	271	150	54,852
Domestic water usage ⁵	NA	NA	NA	NA	250	NA	0.07	361	247	90,250
Totals (Average for Year)					10,275		2.85		6,687	2,440,663

Average GPM 5 for 24 hours
Acre-feet per year 7.49

Notes:

- 1. Assumes 100 feet of road 24-feet wide is flushed and vacuum swept after each storm with greater than 0.1 inches of rainfall (0.062 gpd/sf) in 24 hours and then for two days thereafter. To prevent tracking onto remaining pavement. Wheel wash installed in 2021.
- 2. Assume two 12-foot wide lanes per Note 7 below.
- 3. Assumes bi-weekly vacuum sweeping obtains 40 to 70% control efficiency. Assume daily pavement watering, when needed for dusty conditions, to obtain a total of 90% control efficiency when needed
- 4. The truck wash is used after rainy periods to prevent tracking of mud onto paved areas assuming 30 rainy days (exceeding 0.1" in 24 hours) per year plus two days after each rainy day = 90 days per year x 1,000 gpd (for future, assume truck wash 2.3 times the size of the current one).
- 5. From Design Basis Report, Table 14.
- 6. See equations below.
- 7. Assume each Lane is

12 ft x 2 lanes =

24 feet (two way traffic)

8. Assuming 3,600 gallon loads.

9. In 2020, the Landfill used a combination of 1,690,500 gallons of water purchased by the operator and approximately 2,319,000 gallons purchased by the contractor, much of the use overlapped for a total of 4,009,280 gallons. In 2021, a total of 2,444,500 gallons were used without a construction project. It is assumed that negligible water was obtained from the ponds.

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Table 4 - Future Operation

									Application		Water Truck				
							Required		rate gpsf per	•	Passes Per	Water Truck		Gal/Day Annual	
Location	Scenario 1 ¹⁰	Scenario 2	Scenario 3	Scenario 4	Scenario 5 ¹¹	Average ¹²	Efficiency	Road Area ²	pass ⁶	Water per day, gal	Day	Loads/Day ⁸	Days/year	Average	Gal/Year
Track-on paved road vacuum sweeping/washing ¹						0.038	90	4,800	0.053	2,048	8	0.57	90	505	184,320
Paved road wetting (dry periods) ³	0.57	0.77	1.45	0.77	1.42	1.00	50	126,213	0.03	4,251	1	1.18	271	3,156	1,152,013
Truck wash ⁴	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	NA	0.56	90	493	180,000
Gravel Road, miles ¹²	0.09	0.14	0.10	0.14	0.26	0.29	90	37,002	0.084	6,231	2	1.73	271	4,627	1,688,693
Cover Soil Haul Route Unpaved Road, miles ¹³	0.55	0.17	0.36	0.17	0.42	0.33	90	42,324	0.083	3,509	1	0.97	271	2,605	950,935
Tipping Pad, Acres	1	1	1	1	1	1	90	43,560	0.042	3,668	2	1.02	271	2,723	993,987
Domestic water usage ⁵	NA	NA	NA	NA	NA	NA	NA	NA	NA	300	NA	0.08	361	297	108,300
Totals (Average for Year)										22,007		5.54		14,406	5,258,000
Gravel Road Multiplier:	2												Average GPM ⁹	10 fo	r 24 hours

Unpaved Road Multiplier:

Notes:

- 1. Assumes 100 feet of road 24-feet wide is flushed and vacuum swept after each storm with greater that 0.1 inches of rainfall (0.062 gpd/sf) in 24 hours and then for two days thereafter. To prevent tracking onto remaining pavement.
- 2. Assume two 12-foot wide lanes, per Note 7 below.
- 3. Assumes bi-weekly vacuum sweeping obtains 40 to 70% control efficiency. Assume daily pavement watering, or less when needed for dusty conditions. Assuming the combination provides roughly 90% collection efficiency.
- 4. The truck wash is used after rainy periods to prevent tracking of mud onto paved areas 30 rainy days (exceeding 0.1" in 24 hours) per year plus two days after each rainy day = 90 days per year x 2,000 gpd (2 times the size of the current one).
- 5. From Design Basis Report, Table 14.
- 6. See equations below.

7. Assume each Lane is

12 ft x 2 lanes =

24 feet (two way traffic)

- 8. Assuming 3,600 gallon loads.
- 9. Average is 1.73 times the 2020 current usage.
- 10. When analyzed only for Scenario 1, the water usage would be 12.93 acre-feet (5,631 HCF; 80% of the stated average).
- 11. When analyzed only for Scenario 5, the water usage would be 17.83 acre-feet (7,765; 110% of the stated average).
- 12. Assumes double the length of gravel roads to account variance.
- 13. Soil comes from area adjacent to active cell.

Table F Typical Construction Project

												Peak					Average
									Application		Water Truck	Loads/Day			Peak Gallons		Gallons per
							Required	Average	rate gpsf per	Average Water per	Passes Per	@3,600	Work		Per minute for	Peak Gallons	Calendar Day
Location	Scenario 1 ²	Scenario 2 ⁴	Scenario 3	Scenario 4 ⁴	Scenario 5 ³	Average	Efficiency	Road Area ¹	pass, gpsf	day, gal	Day	gal/load	Days/Period	Gal/Period	8-Hour Day	per Day	for Period
Mobilization (Typically April 1 - April 15)																	1
Construction Access Unpaved, miles	0.00	0.22	0.10	0.22	0.15	0.14	90	17,487	0.02	692	2.00	0.19	11.00	7,612			1
Subtotal										692		0.19		7,612	1.4	692	507
Bulk Excavation Screening & Clay April 16 - Jul 15																	1
Construction Access Unpaved, miles	0.00	0.22	0.10	0.22	0.15	0.14	90	17,487	0.11	3,938	2.00	1.09	65.00	255,943			1
Unpaved Soil Haul Road, miles ⁵	0.28	0.27	0.36	0.27	0.42	0.32	95	40,550	0.11	18,261	4.00	5.07	56.00	1,022,630			
Excavation Area, acres	23.80	7.90	7.30	7.90	9.00	11.18	90	16,749	0.06	1,886	2.00	0.52	56.00	105,594			Ī
Stockpile Area, acres	6.00	8.70	7.20	8.70	5.70	7.26	75	13,497	0.05	1,216	2.00	0.34	56.00	68,073			Ī
Screening Plant (assume mister @3gpm)	NA	NA	NA	NA	NA	NA	75	NA		1,440		0.40	56.00	80,640			1
Subtotal										26,740		7.43		1,532,880	57.0	27,373	16,797
Liner, Gravel Installation, Ops Jul 15 -Sep 15																	i
Unpaved Road, miles	0.22	0.22	0.10	0.22	0.15	0.18	90	23,063	0.06	2,597	2.00	0.72	56.00	145,405			i
Unpaved Soil Haul Road, miles	0.17	0.17	0.36	0.17	0.42	0.26	95	32,694	0.11	. 14,723	4.00	4.09	21.00	309,186			1
Subtotal										17,320		5		454,591	45.1	21,647	7,332
Erosion Control Cleanup Sep 16-Oct 15																	1
Unpaved Road, miles	0.22	0.22	0.1	0.22	0.15	0.18	90	23,063	0.1	4,613	2.00	1.28	30	138,378			1
Unpaved Soil Haul Road, miles	0.17	0.17	0.36	0.16	0.42	0.26	95	32,440	0.11	14,609	4.00	4.06	2	29,218			1
Subtotal										19,222		5.34		167,596	11.6	5,587	5,587

- 1. Assume two 12-foot wide lanes.
- 2. When analyzed for Scenario 1 only, the water usage would be 5.39 acre feet (2,350 HCF; 81% of the average Minimum Usage).
- 3. When analyzed for Scenario 5 only, the water usage would be 8.13 acre feet (3,542 HCF; 123% of the average Maximum Usage).
- 4. Assume a minimum of 0.27 acres (similar to Module 7/8C) or length shown, whichever is greater for unpaved soil haul road to be conservatively high for water-use purposes.
- 5. Assumes 225,000 CY and 6,000 CY/day = 37.5 x 1.25 for potential variance = 56 days

Total for Average Project 2,162,679 Acre-feet 6.64 2,891 HCF

Assumed Bulk Excavation, CY 281,250

Acre-feet per average year

16.14

gallons /CY

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TRAFFIC ASSUMPTIONS

Current Operation Traffic Assumptions	
1. Assume average traffic per day	
2. Assume all traffic travels to tipping face	
a. 188 In-County Self Haul x 1 =	188
b. In-County commercial = 31	31
c. Out-of-County commercial =	36
d. Support vehicle trips = 8 trips per day (1/hr)	8
e. Total trips per day =	263
f. Trips per hour assuming 8 hours =	33

Construction Traffic Trips per Day Trips per Hour Support Trips 42 239 Soil hauling trips

Future Operations Assumptions

1. Assume average traffic

2. Assume public tipping area is implemented and 50% of public traffic will not enter site

a. 232 In-County Self Haul x 0.5 = b. In-County commercial = 38 94 c. Out-of-County commercial = d. Support vehicle trips = 8 trips per day (1/hr) 8 e. Roll-Off Haul Loads f. Total trips per day = 260 g. Trips per hour assuming 8 hours = 33

5.25 Table 3.13 in Attachments O4, O5, O6, and O7 DEIR Appendix B

29.88 Loads in Attachments O4, O5, O6, and O7 DEIR Appendix B, Assuming 6,000 cy/day

Water Usage Equation for Unpaved Roads

From EPA 1988; equation 3-2,

C = 100 - ((0.8 p d t)/i), and

for a given control efficiency to obtain application rate:

i = -0.8 p d t / C-100

where:

C = average control efficiency, percent

p = average hourly daytime evaporation rate, mm/hr

d = average hourly daytime traffic rate, (trips per hour; h⁻¹)

i = water application intensity, L/m2 per application

t = time between applications, hr

Conversions

L/m2 to gal/yd2 0.22081

Table 6 - Operations Unit Water Usage

					Future				
		Current	Future	Current	Operations				
		Operations	Operations	Operations	Waste	Current	Future	Current	Future
		Waste Delivery	Waste Delivery	Waste Delivery	Delivery	Operations	Operations	Operations	Operations
Variables	Units	Paved	Paved	Gravel	Gravel	Cover Soil	Cover Soil	Tipping Pad	Tipping Pad
i, per application =	L/m2 =	0.93	1.37	1.29	3.43	0.63	3.38	0.38	1.72
I, per application =	gal/sy =	0.21	0.30	0.28	0.76	0.14	0.75	0.08	0.38
I, per application =	gal/sf	0.02	0.03	0.03	0.08	0.015	0.083	0.009	0.042
C =	%	25	50	73	90	73	90	54	90
p =	mm/hr	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
d =	trips per hour	33	33	33	33	8	16	17	16
t =	hours	8	8	4	4	8	8	4	4
Hours per day	hours per day	8	8	8	8	8	8	8	8
Applications per day	Each	1	1	2	2	1	1	2	2
Daily Cover	CY/dy					160	320		
Distance Travel on Tipping Pad (diagonal square)	Miles							208.71	295.16
Days with Rain greater than 0.1 inches (0.748 gpsf)	Days								

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Table 7 - Construction Unit Water Usage

Variables	Units	Bulk Excavation	Bulk Excavation Bull	k Excavation	Support	Support
i, per application =	L/m2 =	4.59	2.29	1.84	0.81	0.81
I, per application =	gal/sy =	1.01	0.51	0.41	0.18	0.18
I, per application =	gal/sf	0.11	0.06	0.045	0.020	0.020
C =	%	95.00	90	75	90	90
p =	mm/hr	0.48	0.48	0.48	0.48	0.48
d =	trips per hour	30	30	30	5	5
t =	hours	2	2	4	4	4
Hours per day	hours per day	8	8	8	8	8
Applications per day	Each	4.00	4	2	2	2
Cubic Yards Per Day	CY/dy	6,000				
Volume per load	CY/load	25				

Note:

Long-Term Average Mean annual evaporation at Hollister Costa Station is 1431 mm/yr = 0.16335 mm/hr x 2 assuming all evaporation occurs during the day = 0.33 mm/hr (0.16 in/dy) Short Term Construction May though September = 871 mm / 5 months = 0.23861 mm/hr x 2 assuming all evaporation occurs during day = 0.48 mm/hr (0.22 in/day)

Water Application Rates for Water Flushing on Paved Roads

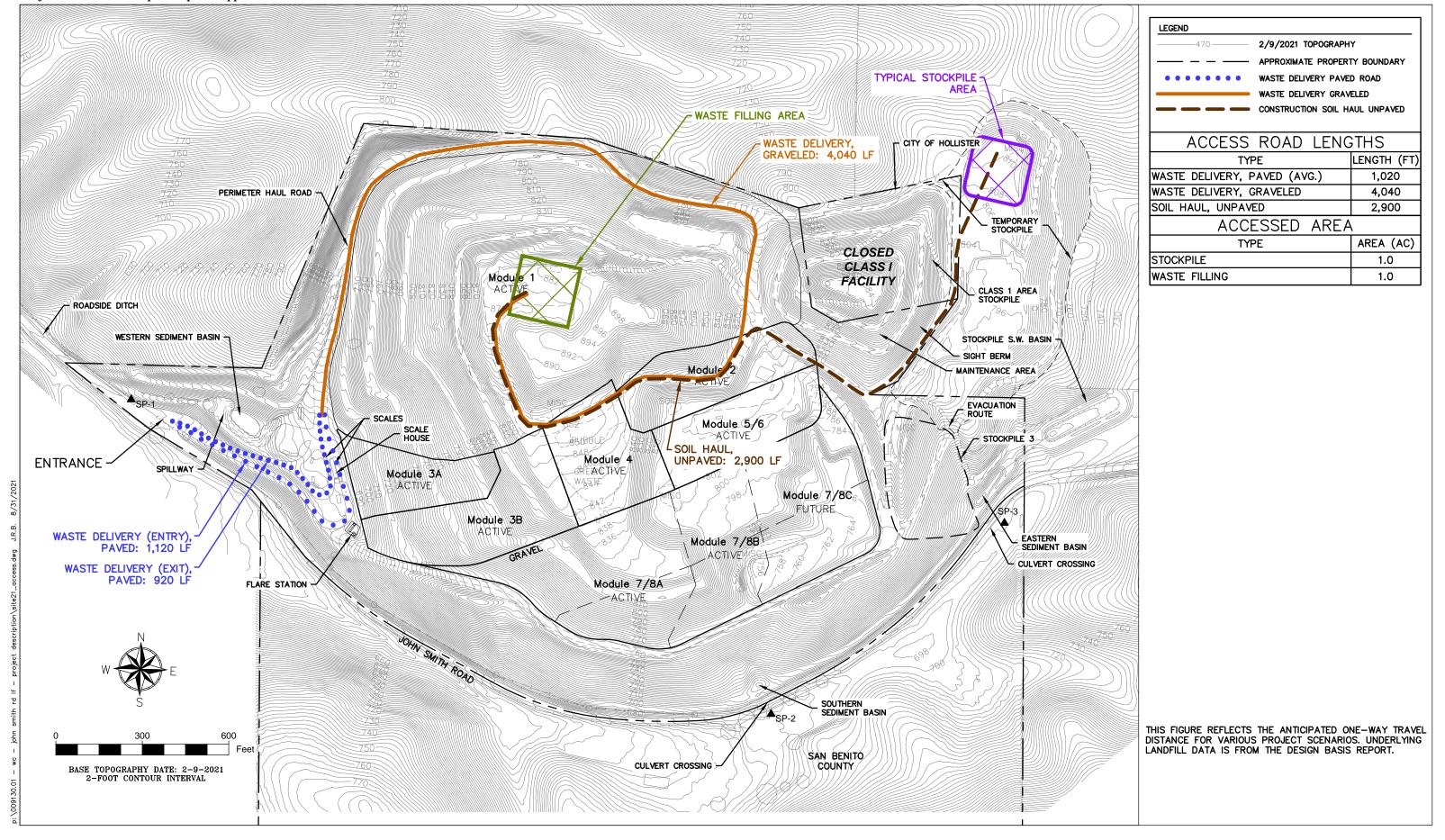
Water Flushing on Paved Roads 0.48 gal/yd2 Table 2-4 USEPA 1988

E = 96 - 0.263 V c,d

Where:

E = 90 % Dust control efficiency
96 = 96 % Dust control efficiency
V = 24 Vehicle passes since application
Traffic per Day 192 Assume traffic lower on rainy days

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BASE TOPOGRAPHY DATE: 2-9-2021 10-FOOT CONTOUR INTERVAL

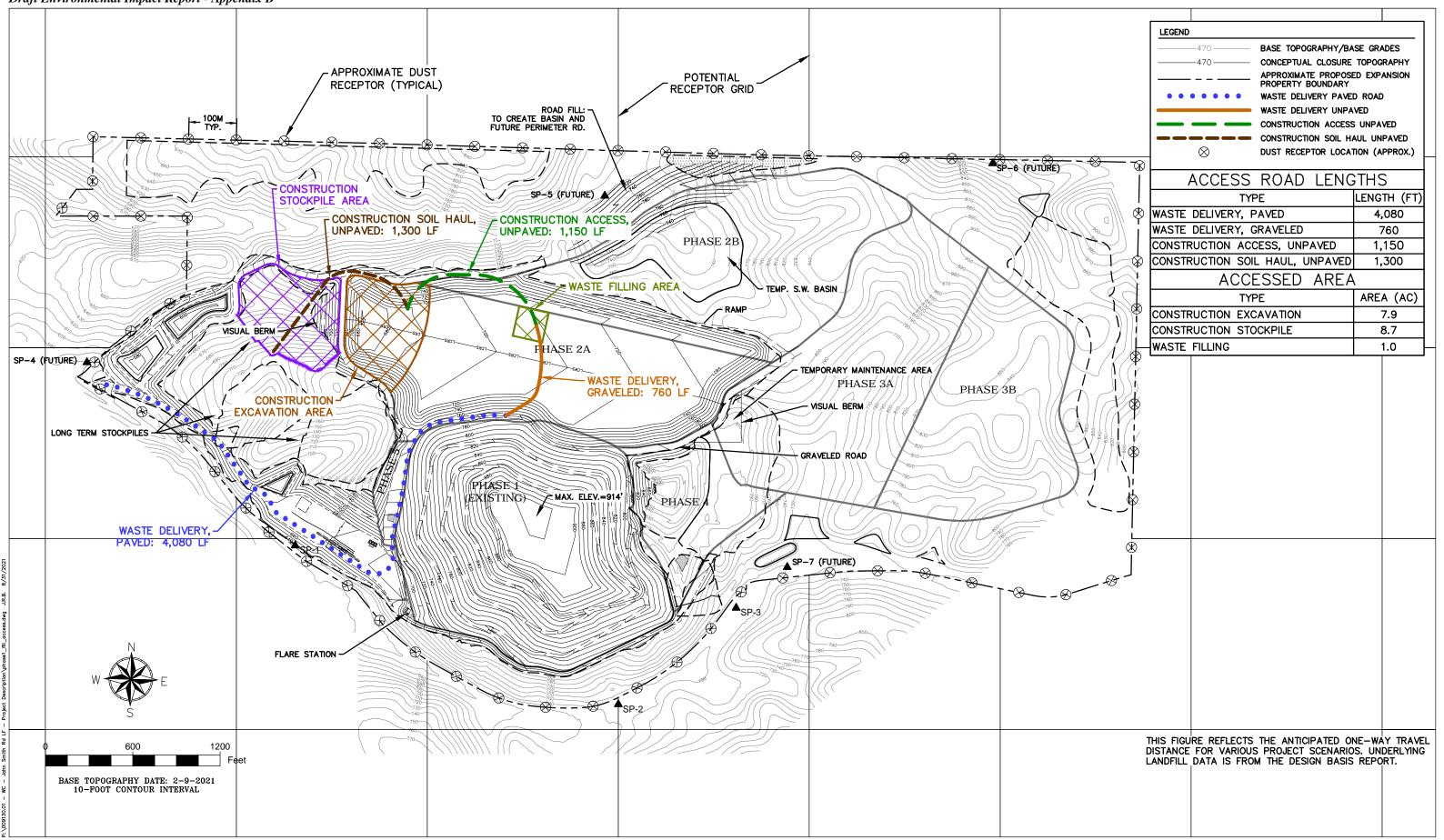
1200

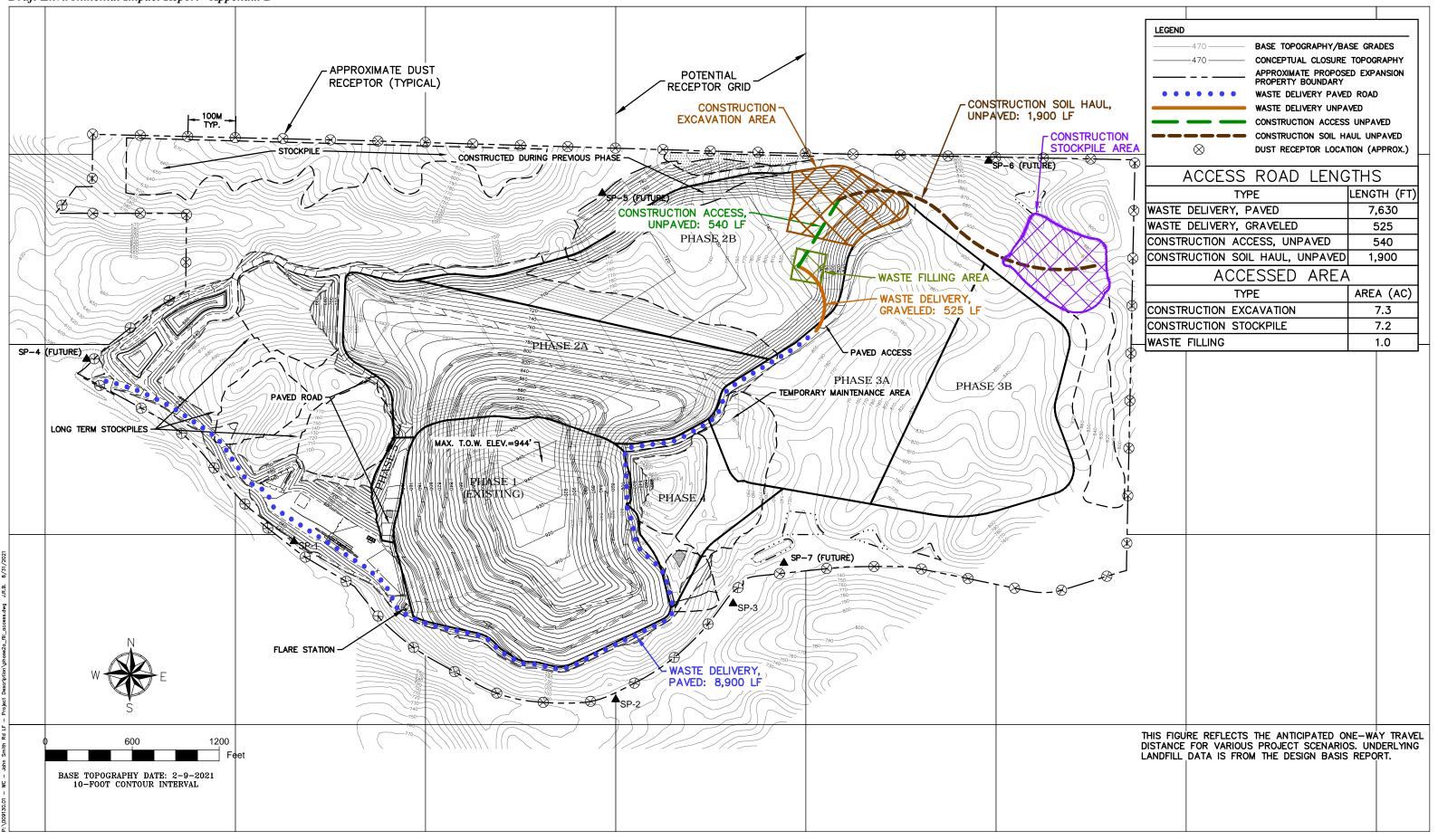
THIS FIGURE REFLECTS THE ANTICIPATED ONE—WAY TRAVEL DISTANCE FOR VARIOUS PROJECT SCENARIOS. UNDERLYING

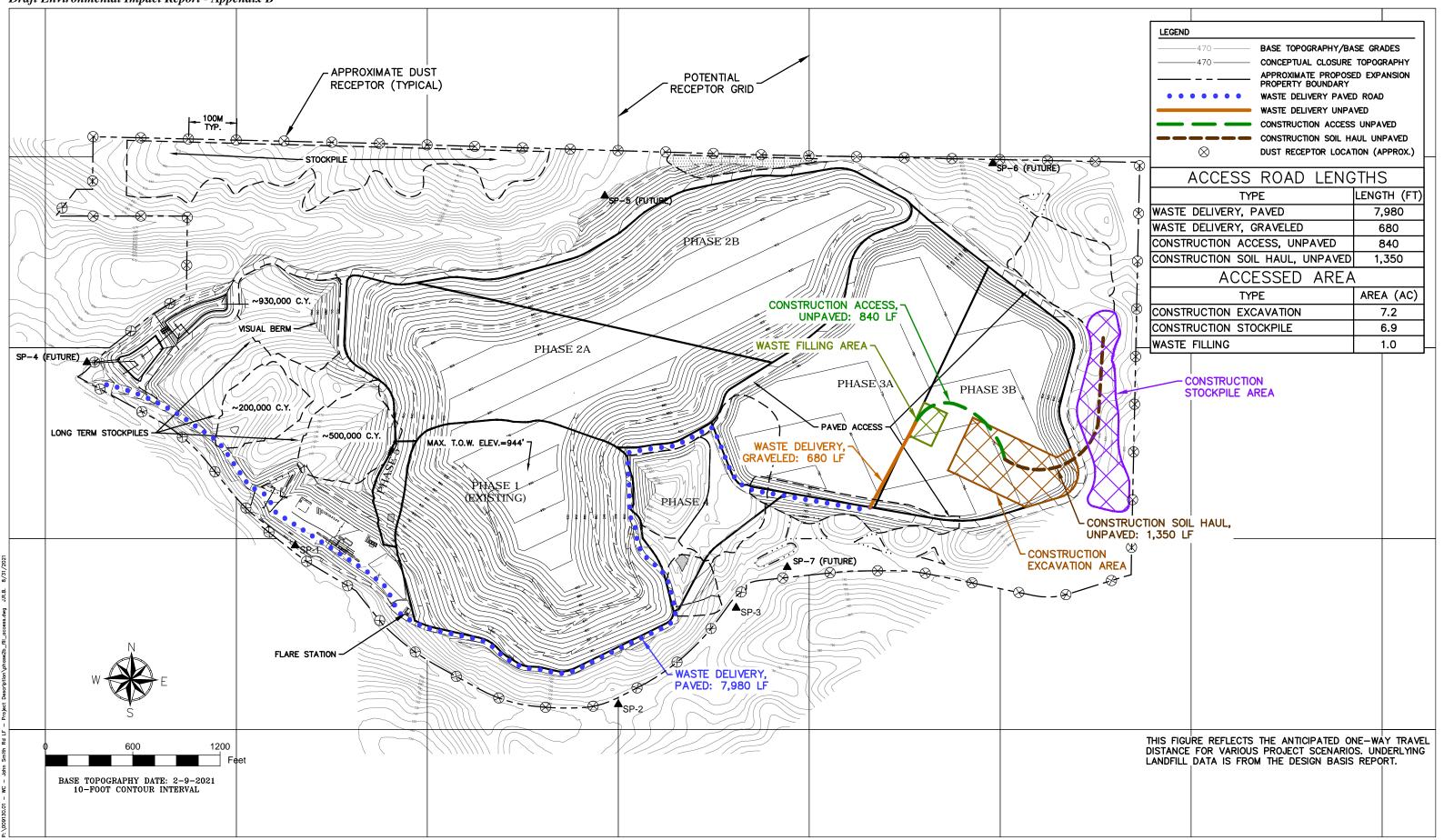
LANDFILL DATA IS FROM THE DESIGN BASIS REPORT.

THIS SCENARIO INCLUDES THE BASELINE (EXISTING) ENTRANCE AND WESTERLY STOCKPILE DEVELOPMENT. CONSTRUCTION SOIL HAUL PATH ANTICIPATE USING THE

CLOSEST AVAILABLE STOCKPILE.







BASE TOPOGRAPHY DATE: 2-9-2021 10-FOOT CONTOUR INTERVAL

John Smith Road Landfill

Attachment Q - Scenario 1: Entrance

Alternatives Assessment - Combination Construction & Operations

Table O3.1 - Summary Table - Scenario 1

Location	PM ₁₀ , lb/day	PM _{2.5} , lb/day	ROG, lb/day	NOx, lb day	CO, lb day	SO2, lb/day
Emissions from Paved Road	6.61	1.06	0.20	0.96	1.57	0.02
Emissions from Graveled Road	9.61	1.11	0.03	0.15	0.25	0.00
Emissions from Unpaved Road	3.55	0.35	0.00	0.00	0.00	0.00
Emissions from Soil Haul Path	28.45	2.84	0.70	3.66	28.65	0.02
Emissions from Waste Disposal Area	6.40	4.62	1.13	11.68	31.51	0.06
Emissions from Construction Area	4.70	3.37	0.63	5.62	26.64	0.06
Emissions from Stockpile	2.38	2.78	0.21	0.39	6.05	0.01
Flare or IC (peak) ¹	0.44	0.45	4.22	49.89	2.27	214.91
Peak LFG Fugitive Emissions	NA	NA	10.81	NA	NA	NA
Indirect (peak tonnage day, off site)App L	NA	NA	0.29	22.57	NA	NA
Entrance Queuing	0.00	0.00	0.10	1.05	1.45	0.00
Total	62.14	16.59	18.33	95.97	98.39	215.07
Baseline (2021)	80.80	14.35	19.88	63.73	66.46	42.79
Change from Baseline	-18.65	2.24	-1.55	32.23	31.93	172.28
MBARD Thresholds	82	82	137	137	550	150
AY .						

Variables

v ariabies						
Project Year	2025					
Waste Delivery Miles - Paved	3,000	0.57	Miles One Way			3,480
Waste Delivery Miles - Graveled	480	0.09	Miles One Way			
Construction Access - Unpaved	0	0.00	Miles One Way In	Addition to V	Waste Delivery	
Construction Soil Haul - Unpaved	1,480	0.28	Miles One Way			
Construction Area		23.8	Acres			
Stockpile Area		6	Acres			
Waste Disposal Area		1	Acres	Assume 20	00 x 200 working face	
Assumed Speeds						
Compactor Speed	3	mph				
Dozer Speed	3	mph				
Loader Speed	7.1	mph, AP-42 Default				
Grader Speed	7.1	mph, AP-42 Default				
Off-Road Haul Truck Speed	7.1	mph, AP-42 Default				
Excavator Speed	0	mph	mostly stationary			
Backhoe Speed	0	mph	mostly stationary			
Construction Excavation	6,000	cy	1			
Construction Excavation	10,020	tons @1.67 t/cy	239	Loads	67.05	Total Miles One v
Daily Cover Excavation	320	cy (2000 tpd waste /0.75	x 0.12 cy soil/cy waste	:		
Daily Cover Excavation	534	tons @1.67 t/cy	15	Loads =	4.18	Total Miles One v

Waste Delivery On-Site Emissions - Assuming

See Footnotes on Attachment O1

Total Miles One way

Sable O3.2 - On-Road Support Vehicles		Vehicle P	roperties						Calendar Year		Aggregate Spee		,,	588		Assume idlin	8 8.			Emission	n Factors an	d Calculation	ıs										
On-Road Vehicles	Vehicle Category	Trips/Day	Trip Dust (both	Total Miles	Paved Miles / Day (both ways)	Graveled Miles/Day (both ways)	Unpaved Miles/Day (both ways)	Load Factor ⁵	RUNEX Emissions Factor NOx (g/mile) ¹⁰	RUNEX Emissions NOx (lbs/day) ⁸	STREX Emissions Factor NOx (g/trip)	Emissions	RUNEX Emissions Factor ROG (g/mile) ¹⁰	Emissions ROG	ROG	STREX Emissions ROG (lbs/day) ⁸	RUNLOSS Emissions Factor ROG (g/trip) ¹⁰	RUNLOSS Emissions ROG		Exhaust Emissions PM10 (lbs/day) ⁸		Tire Wear		Wear Emissions PM10	Exhaust Emissions Factor PM2.5 (g/mile) ¹⁰	Exhaust Emissions PM2.5 (lbs/day) ⁸			PM2.5	Brake Emissions PM2.5	Factor CO	co	Emissions Emis Factor SOx SO (g/mile) ¹⁰ (lbs/o
ord Mechanic Truck (DSL)	LHD1	2	2.6	2.6	2.3	0.4	0.0	1	2.74	0.0	0.00	0.000	1.93E-01	0.001	0.00	0.000	0.00	0.000	3.34E-02	0.000	1.20E-02	0.000	7.64E-02	0.000	3.19E-02	0.000	0.003	0.000	0.033	0.000	9.36E-01	0.005	5.30E-03 5E-
ord F450 Flat Bed (DSL)	LHD2	1	1.3	1.3	1.1	0.2	0.0	1	1.89	0.0	0.00	0.000	1.69E-01	0.000	0.00	0.000	0.00	0.000	2.96E-02	0.000	1.20E-02	0.000	8.92E-02	0.000	2.84E-02	0.000	0.003	0.038	0.038	0.000	8.29E-01	0.002	5.91E-03 2E-
Vater Truck (DSL) ¹	T6 CAIRP heavy	32	42.2	42.2	36.4	5.8	0.0	1	1.36	0.1	1.36	0.096	4.93E-02	0.005	0.00	0.000	0.00	0.000	1.48E-02	0.001	1.20E-02	0.001	1.30E-01	0.012	1.42E-02	0.001	0.003	0.000	0.026	0.002	2.59E-01	0.024	9.33E-03 9E-
upport Light Heavy Duty Trucks (2, DSL)	LHD1	4	5.3	5.3	4.5	0.7	0.0	1	2.74	0.0	0.00	0.000	1.93E-01	0.001	0.00	0.000	0.00	0.000	3.34E-02	0.000	1.20E-02	0.000	7.64E-02	0.001	3.19E-02	0.000	0.003	0.000	0.056	0.001	7.69E-02	0.001	8.98E-03 1E-
ractor Trailer Delivery (DSL)	T7 CAIRP	1	1.3	1.3	1.1	0.2	0.0	1	2.30	0.0	2.23	0.005	2.10E-02	0.000	0.00	0.000	0.00	0.000	3.09E-02	0.000	3.60E-02	0.000	6.17E-02	0.000	2.96E-02	0.000	0.009	0.000	0.026	0.000	1.95E-01	0.001	1.19E-02 3E-
ractor Trailer RNG 4 trips/mo																															1	,	
arpool Vehicles (2, Gas)	LDT1	2	2.6	2.6	2.3	0.4	0.0	1	0.05	0.0	0.23	0.001	1.13E-02	0.000	0.30	0.001	0.63	0.003	1.48E-03	0.000	8.00E-03	0.000	3.68E-02	0.000	1.36E-03	0.000	0.002	0.000	0.016	0.000	7.08E-01	0.004	2.81E-03 2E-
otals				55	47.7	8	0			0.187		0.102		0.007		0.001		0.003		0.002		0.002		0.014		0.002		0.039		0.004		0.037	0.0
rorated by Mile										3.38E-03		1.84E-03		1.35E-04		2.40E-05		5.01E-05		3.87E-05		2.73E-05		2.55E-04		3.70E-05		6.97E-04		6.47E-05		6.77E-04	1.16

JSRL DEIR Appendix B Attachment O2

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Notes:

1: The values for ROG and CO from the flare represent the detection limit. The actual value will be lower.

2: Described as VOC in CEQA Guidelines (Assume ROG is synonymous)

3: Described as NO_X as NO₂ in CEQA Guidelines. Assume all NO_X is NO₂ for this analysis.

4: Describes as SO_X as SO₂ in CEQA Guidelines. Assume all SO_X is SO₂ for this analysis.

T-LL- 02 12 V-L:-L-	W-1-14 4	(a : a A
Table O3.13 Vehicle	weight Assumpti	ons (assumes tutt toa	a in ana empty out)

Category	Type	Percent	GVW, lb	NVW, Ib	Average, lb	Av Tons
Small Vehicle (Public /Self Haul)	Ford F250 Gross Weight	NA	9,900	7,700	8,800	4.4
In County Commercial	Garbage Truck	NA	51,000	31,000	41,000	20.5
Out of County Commercial	Waste Transfer Truck	NA	75,000	33,000	54,000	27.0
Support Vehicles For Construction						
Average of:	Miles					
Ford Mechanic Truck (DSL)	2	5%	14,000	8,600	11,300	5.7
Ford F450 Flat Bed (DSL)	1	2%	14,000	8,600	11,300	5.7
Water Truck (DSL), 4,000 gal	32	76%	63,000	29500	46,250	23.1
Support Light Heavy Duty Trucks (2, DSL)	4	10%	14,000	8,600	11,300	5.7
Tractor Trailer Delivery (DSL)	1	2%	75,000	33,000	54,000	37.5
Carpool Vehicles (2, Gas)	2	5%	51,000	31,000	41,000	25.5
Total	42				Weighted Average	20.7
Off Road Dump	CAT 740	NA	162,399	78,632	120,516	60.3

GVW: Gross vehicle weight including load
NVWL Net vehicle weight or:"curb weight" without load
Source:
US. EPA, Fifth Edition AP-42, Section 13.2.

Grading Equipment Passes Use for graders, loaders, rubber tired dozers, and scrapers to scrape or push soil

 $EF_{PM15}=0.051~x~(S)^{2.0},$ and $EF_{PM10}=EF_{PM15}~x~F_{PM10}$. Used for PM_{10}

 $\mathrm{EF_{TSP}}$ - 0.4 x (S) $^{2.5}$, and $\mathrm{EF}_{\mathrm{PM2.5}}$ = $\mathrm{EF_{TSP}}$ x $\mathrm{F_{PM2.5}}$, Used for $\mathrm{PM_{2.5}}$

Source: CalEEMod 2020.4.0, Appendix A Page 8

EF = emissions factor (lb/VMT)			Typical grading areas	Acres per day
S = mean vehicle speed (mph)	AP-42 Default =	7.1	Crawler Tractors (Dozer)	0.5
$F_{PM2.5} = PM_{2.5}$ scaling factor.	AP-42 Default =	0.03	Graders	0.5
F _{PM10} = PM ₁₀ scaling factor.	AP-42 Default =	0.6	Rubber -Tired Dozers	0.5
			C	1

1.543 lb/VMT 0.227 lb/VMT

JSRL DEIR Appendix B Page 5 of 6



Technical Memo John Smith Road Landfill Imported Water Needs

Revised July 12, 2022

Introduction

John Smith Road Landfill (JSRL or "Landfill") does not have a piped water supply from a public water system, and as described below, the landfill is sited on bedrock that does not produce significant amounts of groundwater. Therefore, the Landfill currently obtains water for domestic uses (*e.g.*, flushing toilets), dust control, and construction water from a fire hydrant, owned by Sunnyslope Water District (the District), approximately 3 miles from the landfill.¹ The water is transported to the Landfill via water trucks. Because the Landfill operator, Waste Solutions Group of San Benito, Inc. (WSG), and the Owner, San Benito County, are proposing an expansion that would provide an estimated additional 65 years of site life, WSG requested that Lawrence & Associates (L&A) prepare this memo describing the existing and potential future on-site surface water storage and associated needs for imported water.

This memo is not intended to describe the source of the imported water; only the potential short term pumping rate and long-term frequency of water import based on the modeled assumptions below.

Water Requirements

Landfill Needs - General

In a technical memo dated July 8, 2022, L&A described the current and future water needs for the Landfill (aka *Water-Use Memo*).² Water use for domestic purposes is negligible in comparison to dust control for operation of the Landfill. As described in the memo, as the Landfill expands, the length of onsite roads and areas of unloading pads will increase, thereby requiring more water for dust control. This increase in water demand for dust control will be partially offset by increasing the length of paved roads and reducing the traffic that leaves the

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¹ Bottled water is used for drinking.

² Lawrence & Associates, July 8, 2022, Technical Memo, John Smith Road Landfill, Long-Term Water Use.

entrance area and travels to the tipping face. Water usage for dust control is highest during the summer and lowest during the winter.

Additionally, water will be required for dust control and soil moisture conditioning for lined Landfill module construction projects on average every two years and partial final closure projects every 5 to 10 years. Most construction water would be used during the bulk excavation phase in later spring and early summer. In addition, the construction of the new entrance would be performed near the beginning of the Landfill expansion.

Landfill Need Short-Term

Table 1 summarizes modeled project needs, for the purposes of sizing a water source such as a well. Over the life of the Landfill, the operations water will be more or less for a given year. Table 1 also shows the water needs for module construction projects that would be in addition to the water for daily landfill operations. The peak construction water flow in gpm is based on the peak day during the bulk excavation phase of construction (57 gpm for an 8-hour day). During simultaneous landfill operation and construction, a water source, such as a well would need to provide the sum of the operations water demand and construction water demand for a limited period of time (typically two months) during peak construction water use.

Table 1 - Summary of Typical Annual Water Needs³

Season	Future Operations Approx. Water Truck Loads per Day ¹	Future Operations Approx. gpd	Operations Water Demand for 8-Hour Day, gpm	Peak Const. Water Loads per Day ¹	Peak Const. Water Demand, gpd ²	Peak Const. Water Demand for 8-Hour Day, gpm ²	Average Const. Water Demand, gpd ²
Spring (March-		.,	• 7 .7.	•	700^{3} ,	V / //	500^{3}
May)	3	12,100	25	$0.2^3 (8^4)$	$(27,400^4)$	$1.4^3 (57^4)$	$(16,800^4)$
Summer (June-							16,8005
August	8	28,300	59	8	$27,400^{5}$	57	$(7,400^6)$
Fall (September -							$7,400^{8}$
November)	3	12,100	25	6^{7}	$21,600^7$	12	$(5,600^9)$
Winter (December							
- February)	1	4,000	8	0	0	0	0

Notes:

- 1. Assuming 3,600 gallons per load (rounded to even truck load).
- 2. Generally every other year, rounded.
- 3. Typically prior to April 15.
- 4. Typically occurs after April 15.
- 5. Typically occurs prior to July 15.
- 6. Typically occurs after July 15.
- 7. Typically occurs prior to September 15.
- 8. Typically occurs prior to September 15.
- 9. Typically occurs after September 15.

³ Adapted from Water Use Memo.

If a single water well were used to pump water for an 8-hour day, the required flow for operation would range from 8 gpm during the winter to 59 gpm during the summer, assuming that a storage tank is provided that slowly fills and then quickly discharges into water trucks (*e.g.*, a "stand" tank). With additional storage volume, a well would pump at 1/3 the flow over a 24-hour period (3 gpm to 20 gpm). During water usage for construction project, another 57 gpm would be required for an 8-hour day (19 gpm over 24-hours), for a total of 116 gpm for several months every other year. It is possible for multiple water sources to be used to provide the peak flow (such as a combination of pond water and well water).

The average daily construction water use varies with construction phase and, on average, is significantly less than the peak water requirement. Average daily construction water use was used for modeling pond storage as described below.

Landfill Needs - Long Term

For operations, the proposed project would require, an average of 5.3 million gallons per year (16.14 acre-feet per year), with an additional 2.2 million gallons (6.64 acre-feet) during construction years (total of 7.5 million gallons or 22.78 acre feet during a construction year). The need would be less in some years and more in others based on weather and the length and type of roads at any given point during the site life.⁴

Potential Composting Facility

As a potential project alternative, a composting facility capable of 40,349 tons per year is being evaluated. According to the California Air Resources Board (CARB, 2019) a conventional windrow composting facility requires 250 gallons per ton of feedstock,⁵ while a covered aerated static pile (CASP) requires approximately half the feedstock weight in water (117 gallons per ton)⁶ or less (50 gpm/ton⁷to 100 gpm/ton.⁸) Based on previous tonnage and anticipated population growth, between approximately 30,800 tons per year 40,400 tons per year would be composted and the facility would require between 7.2 and 9.5 million gallons (22 and 29 acrefeet) per year for a windrow facility or between 3.3 and 3.9 million gallons or less (10 to 13 acrefeet) per year for a CASP.⁹ Some of the water may be obtained from the stormwater retention

⁴ Lawrence & Associates, July 8, 2022, Technical Memo, John Smith Road Landfill, Long-Term Water Use.

⁵ California Air Resources Board, May 2017, Method for Estimating Greenhouse Gas Emission Reductions from Diversion of Organic Waste from Landfills to Compost Facilities. Page 11.

⁶ https://compostsystems.com/water-required-for-composting/. (Assumed to mean tons of water per tons of feed stock converted to gallons - Referenced total assumed to be incorrect. It would be 0.4 gallons per ton).

San Joaquin County, May 4, 2015, Greenwaste Compost Site Emissions Reductions from Solar Powered Aeration and Biofilter Layer. Table Two ~ 50 gal/ton for active phase CASP in Tulare County – does not include other water uses.

⁸ California Regional Water Quality Control Board, Colorado River Basin Region, Order No. R7-2002-0010, Waste Discharge Requirements for Desert Solutions, Inc. Finding 20, maximum of 100 gallons per ton of feedstock for aerated static pile method. "Additional water will be used for dust control."

⁹ Ranging from 24 gpm to 35 gpm for an 8-hour day.

basin dedicated to the compost facility. Water from the basin would typically be used only to inoculate the feed stock and wet piles prior to their pathogen-reduction phase. Clean water is typically required for subsequent compost processing and dust control. As described in a technical memo describing a potential composting facility, based on an average rainfall year, approximately 92% of the water would be imported from off-site sources and approximately 8% would be obtained from the stormwater basin. More imported water would be required during dry years, and because of limited needs for compost-basin water, the need for imported water during a wet year would be similar to non-wet years.¹⁰

Stored Surface Water Source

Modeled Stored Surface Water Supply

Included in the project description for the landfill expansion are both permanent and temporary stormwater basins located throughout the site. As shown on **Figure 1**, during initial expansion of the Landfill (either during construction of the first module or landfill entrance whichever is sooner), stormwater basins 2 and 3 located near the southwest corner of the project are projected to provide 31 acre-feet of storage and would collect stormwater throughout the life of the landfill. Temporary basins in Phases 2A and 2B would provide approximately 12 acre-feet and 20 acre-feet of water storage, respectively. They would eventually be filled with waste and it is assumed that temporary basins in Phases 3A and 3B would replace them (not shown on **Figure 1**). Permanent stormwater basins 5, 6, and 7 will be added either during construction of Phases 3A and/or 3B, or earlier, if needed to replace the temporary basins to provide adequate storage. Based on preliminary design, the Lima stockpile basins and basins 5 through 6 provide approximately 31 acre feet of water storage. For the purposes of modeling, it is assumed that all of the basins described for water storage will be lined to prevent seepage. All basins will be designed to fall below division of dam safety regulatory standards. Described to the standards of the basins will be designed to fall below division of dam safety regulatory standards.

Based on the flow requirements for the Landfill, L&A developed a 12-year water balance model (including drought years) describing collected water versus water use. The model assumes annual operations water use, plus construction water use every other year with a construction project falling on a dry year. **Attachment A** describes modeling; the results are summarized below.

The model assumes that permanent Basins 2 and 3 (total of 31 acre-feet, **Figure 1**) would be lined with geosynthetic liners to prevent seepage of collected stormwater to groundwater and would have a drainage area of approximately 46 acres (including pumping from Basin 1 into

¹⁰ Lawrence & Associates, June 15, 2022, Technical Memo, *John Smith Road Landfill Composting Alternative*.

¹¹ Based on conceptual design for modeling purposes.

Less than 50 acre feet of storage for a dam height less than 25 feet tall measured at the spillway crest, or greater than 50 acre-feet for a dam 6-feet tall or less, or a dam greater than 25-feet tall with a storage capacity of less than 15 acre feet.

Basin 2 or 3). In addition,12-acre-foot Phase 2A temporary basin and the 20-acre-foot Phase 2B temporary basin would be lined and would have 45 to 50 acres of drainage area.

As the landfill expands, the requirement for 32 acre-feet of temporary and/or permanent storage (in addition to the permanent stormwater Basins 2 and 3) would be required. As the Phase 2A Landfill is filled and the temporary Phase 2A basin is consumed, additional storage equal to that lost to landfilling would be developed in Phase 3 area as described above. Based on the 31 acrefeet in basins Lima Stockpile, 5, 6, and 7, (slightly less than the 32 acres modeled) slightly more imported water than described below may be required during filling of the last module. After closure, there would be no requirement for operations water and there should be suitable water for closure cap construction.

Assuming the above conditions and all basins being uncovered, during consecutive average rainfall years (13 inches of rain) there would be sufficient water for operations and construction (excluding composting) for all of the year. During an average rainfall year following a dry year (5 to 7 inches of rain), approximately 13 acre-feet of imported water would be required.

As shown on Table 4 of the attached memo, during drought years (5 to 7 inches of rain) when construction occurs, water would need to be imported for roughly 60% of the year in the amount of approximately 20 acre-feet per year (this would occur during the summer and fall). Based on the 12-year period analyzed, conditions with some import being required during a construction year with average water use would occur roughly three years out of 12 (odds of being needed one in every 4 years) with approximately 60% of the water being imported. During back-to back drought years, with a non-construction year following a construction drought year, the odds of requiring imported water would be 4 out of 12 years (one in three) with most of the operations water being imported. During periods of maximum operational water use, water would be imported more frequently. During periods of minimum use the odds of importing water would be lower (not modeled).

If all of the lined stormwater basins are covered with a floating geosynthetic cover to reduce evaporation (by 95%), during a drought year (5 to 7 inches of rain), there would be sufficient water for operations and construction (excluding composting) for all of the year.¹³

If only selected basins are covered, water would need to be imported proportionally to the amount of basin surface covered. If only permanent Basins 2 and 3 are covered, the odds of requiring imported water during a drought construction year would be 1 in 12 for either average use or maximum use with minimal imported water.

Shalaby, Maram M., et al. February 7, 2021. Effects of Continuous Module Floating Covers on Evaporation Losses and Microalgal Growth.

If the volume of the temporary basins is less or the basins are lined with clay instead of a geosynthetic, the frequency and volume of water import would be more.

The ponds would not have sufficient capacity to support the additional needs of a compost facility without the number of days requiring imported water increasing significantly. The analysis does not assume that leachate or condensate would be used to offset water use.

Unless a domestic well is installed, a relatively small quantity of clean water (one load every few days) from the District would be imported rather than using potentially turbid stormwater for domestic non-potable uses (*e.g.*, sinks and toilets).

First Several Years

As described above, Basins 2 and 3 would be installed either during the entrance construction or construction of first lined module in the expansion area. The Phase 2A temporary lined basin would be installed during construction of the first lined module. The Phase 2B basin may be implemented during the first module construction or soon thereafter. As described in the July 8 memo describing water needs, because road lengths will be shorter during initial expansion, the water needs are anticipated to be less than the projected long-term average. If In addition, the estimated average described in the memo may overestimate the actual needs. However, prior to construction of basins 2 and 3 all of the water for operations and construction must be imported. Prior to construction of the temporary basins in Phases 2A and 2B, if installed in a separate year following permanent Basins 3 and 4, more imported water will be required than predicted by than the model.

Operational Alternatives

The above model describes water that can be supplied from onsite stormwater basins based on assumptions intended to optimize water storage (e.g., geomembrane-lined basins). Assuming a suitable off-site water source is available, the operator may elect to construct some or all of the of the basins with clay liners, install fewer basins and import more water, add floating covers, and/or implement water conservation methods (such a use of dust palliatives) to reduce water use.

Summary

Table 1, above, describes the required approximate flow from a well or other water source. When only operation is occurring approximately 59 gpm would be required over an average 8-hour day during the summer. On some days, the flow will be more and on others less depending on weather, traffic, and on-site road distances. During the peak period of use (bulk excavation

¹⁴ Lawrence & Associates, June 22, 2022, Technical Memo, John Smith Road Landfill, Long-Term Water Use.

phase) another 57 gpm would be required during a peak-use 8-hour period. During other phases of construction, the water use would typically be less.

Between approval of the expansion, and construction of Basins 2 and 3, the imported water quantity would be similar to current (2021) water use of 2.44 million gallons (7.5 acre-feet) per year plus approximately 2.2 million gallons (6.64 acre feet) per year for construction of the entrance area and first module (each).

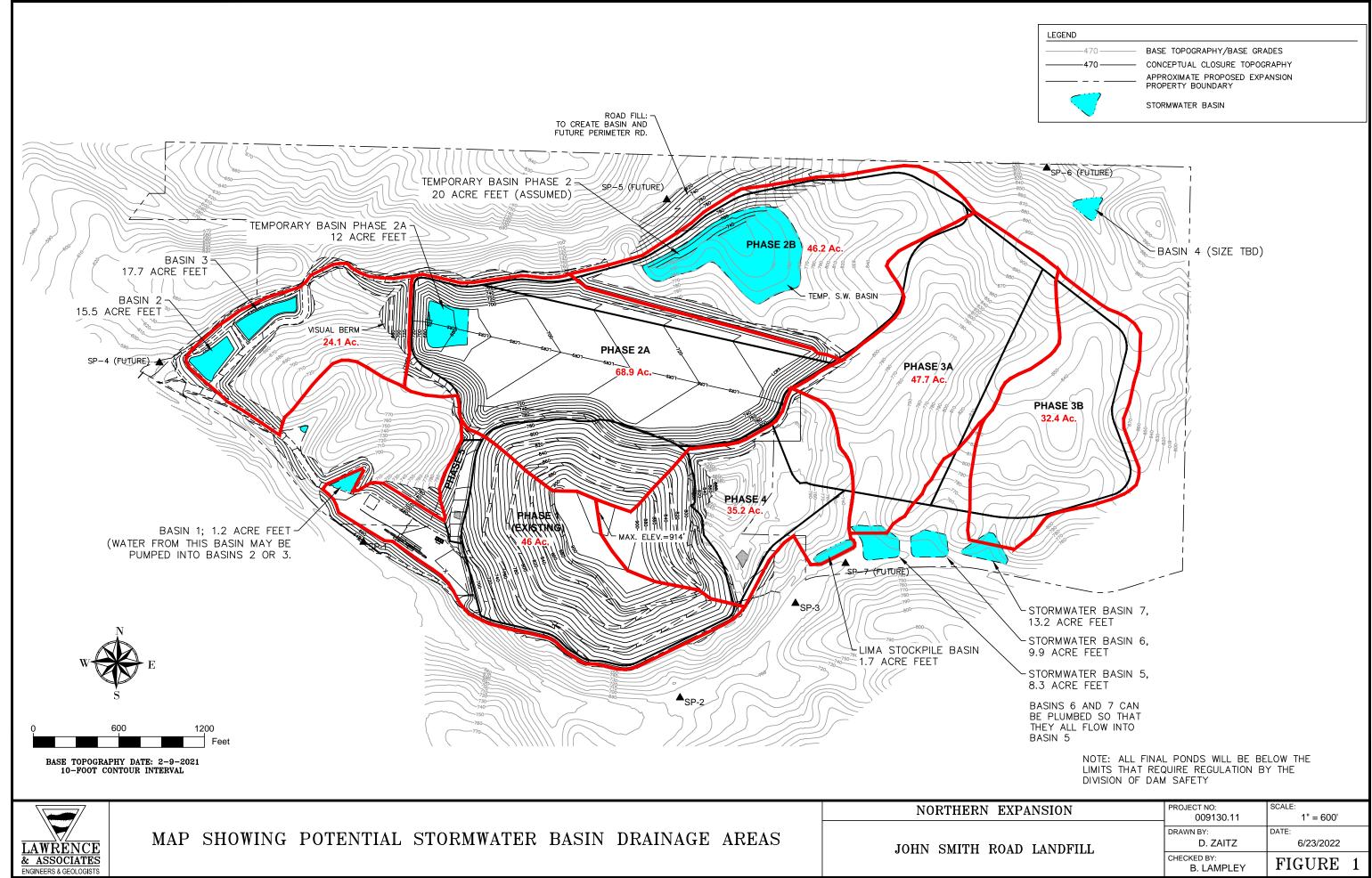
Once the basins described above are constructed, assuming lined but uncovered basins during consecutive average or wet years, no additional water would need to be imported during the late summer and fall months, during either construction or non-construction years. During drought years, approximately 20 acre-feet would need to be imported during the summer and fall months.

Assuming the basins are lined and have a floating cover to reduce evaporation, during drought no additional water would need to be imported during the summer and fall months, during either construction or non-construction years.

Assuming a suitable off-site supply is available, the Landfill operator may elect to use an alternative combination of basin features and sizes and import more or less water.

Attachments

Figure 1. Map showing Potential Stormwater Basin Drainage Areas Attachment A. Hydraulic Operation of Western Basins #2 and #3





Technical Memo John Smith Road Landfill Hydraulic Operation of Western Basins #2 & #3 and Temporary Basin July 11, 2022

INTRODUCTION

This letter presents a technical memo describing the hydraulic operation of proposed stormwater basins at the expanded John Smith Road Landfill (JSRL). The operation of the basins was simulated using a spreadsheet model. The model calculates daily depth, area, and volume of water in three proposed stormwater basins - Western Basins #2 and #3, and an additional basin that would be similar in size and volume to the proposed Phase 2B Temporary Basin (see **Figure 2** of the Site Water Use Memo, described below). The purpose of the model is to evaluate whether retained stormwater and rainfall would be of sufficient volume to provide site-use water (mainly for dust control and construction uses) year-round, and, if not, how many days per year water would not be available from the basins.

RUNOFF & BASIN MODEL

INPUT VARIABLES

The model calculates the stage and volume of a basin on a daily basis, accounting for inflow (from precipitation and stormwater runoff, in this case) and outflow (evaporation and use of water for site activities). L&A obtained input data from the following:

- Precipitation from station Hollister 2.1 ESE, Applied Climate Information System; https://scacis.rcc-acis.org/;
- Evapotranspiration from station Gilroy, California Irrigation Information Management System; https://www.cimis.water.ca.gov/Default.aspx;
- Site water use from L&A, April 2022, *Technical Memo, John Smith Road Landfill, Long-Term Water Use.*
- Basin characteristics from L&A, November 2021, Design Basis Report for the John Smith Road Landfill Expansion, San Benito County, California.

For the modeling period, we used data from October 1, 2009 through April 13, 2022 because that is the period for which data is available for the Hollister station. This period includes the most recent period of drought conditions, making it conservative for estimating whether site-use water would be available during a drought.

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The evaporation data is in the form of Reference Evapotranspiration (ETo), a CIMIS term equivalent to the Department of Water Resources term Potential Evapotranspiration. ETo is converted to Pan Evaporation (a commonly measured parameter) by dividing by 0.76. Pan evaporation is usually converted to actual evaporation (*e.g.*, in a large water body) by multiplying by 0.75. Because these two factors cancel each other out, we used the ETo values directly from the CIMIS database.

Because runoff to the basins will be predominantly from bare soil, some infiltration will occur. To account for infiltration, the runoff coefficient (C) was assumed to be 0.5. That is, 50% of the rainfall will run off. The stormwater runoff calculated by the model applies the C factor to the net precipitation (rainfall less evapotranspiration) that falls on the runoff area (the runoff area is all of the drainage area except for the area of the basin itself).

Because low intensity rainfall on relatively dry soil typically does not produce any runoff at all, the model was set so that storms with less than 0.1 inches (0.008 feet) in 24 hours did not produce runoff, unless they occurred within 2 days after a storm event exceeding 0.1 inches.

L&A evaluated site water use and presented the results in the water-use technical memo referenced on page 1, herein. Based on these data, we used the following values for water use in the model:

Table 1. Water-Use

NON-CONSTRUCTION YEARS (GPD)								
	AVERAGE	MINIMUM	MAXIMUM					
Spring (March-May)	12,100	9,680	13,310					
Summer (June-August)	28,750	23,000	31,625					
Fall (September -November)	13,000	10,400	14,300					
Winter (December - February)	4,000	3,200	4,400					
CONSTRUCTION YEARS (EVERY OTHER YEAR)(GPD)								
	AVERAGE							
March	450							
April - June	17,000							
July - August	7,400							
September - October	5,700							

Differences between daily water use in this table vs. the Water-Needs Memo (L&A, June 22, 2022, *Technical Memo John Smith Road Landfill, Long-Term Water Use*) reflect the use of slightly different time periods and rounding effects. Where values differ, the values used in the model are higher to be conservative.

These values were applied to each day of the model, weekends included, but not on days when there was more than 0.1 inches of rain, under the assumption that dust-suppression would not be needed on those days.

Three water-use scenarios were evaluated – minimum, average, and maximum. The difference between each reflects the length of roads and other factors that change over the life of the landfill

that could increase or decrease the volume of site-use water needed. These are described in detail in the site water-use technical memo.

Using the variables described above, the model calculates a basin's volume, depth, and area on a daily basis. **Table 2** shows the output columns for the model, with descriptions of each. **Table 3** shows the basin characteristics, and the equations used to describe the basin geometry. **Table 4** shows the annual precipitation and evaporation the model used.

	Table 2. Model Output Columns & Logic						
Category	Parameter	Units	Description				
Beginning	Beginning Volume of Water in Basin	acre-feet	Each day starts with the previous day's ending volume; model began with 1 AF in each basin.				
Values	Beginning Basin Area	acres	Each day starts with the previous day's ending surface area of water. If basin is dry, area = area of basin bottom.				
	Direct Precipitation on Basin	acre-feet /day	Daily precipitation from historical record × maximum (total) basin area.				
Inflow	Stormwater Runoff acre-feet /day		If daily net precipitation (rain - ETo) = 0, then no runoff. If net precipitation <0.1", then no runoff unless there was >0.1" net precipitation in the previous 2 days.				
	nanon		The drainage areas were as follows: 22 acres pumped to W. Basin #2, 24 acres to W. Basin #3, and 50 acres to Additional Basin.				
	Total Inflow	acre-feet /day	Sum of Direct Precipitation on Basin + Stormwater Runoff.				
	Intermediate Theoretical Volume	acre-feet	Intermediate calculations of volume, depth, and				
Intermediate Calculations	Intermediate Theoretical Depth	feet	area are made to check whether basin has theoretically "overflowed". Volume = Beginning Volume + Inflow. Depth and Area calculated using				
	Intermediate Theoretical Area	acres	depth-volume and area-volume equations that describe basin.				
Outflow	Leakage	acre-feet /day	No leakage is assumed because the basins will be lined.				
	Site Water Use	acre-feet /day	Dust control & construction as described on page 2; construction water use occurred every other year.				
			Site water use was divided between the basins to maximize volume available for site use.				

	Table 2. Model Output Columns & Logic						
Category	Parameter	Units	Description				
	Evaporation (basin only)	acre-feet /day	Evaporation set to 95% of observed values when assuming covered basins; observed values when basins uncovered.				
	Total Outflow	acre-feet /day	Sum of leakage, site water use, and evaporation.				
Final	Final Volume of Water	acre-feet	Intermediate volume - total outflow: If <0, then basin is empty. If >maximum possible volume, then = maximum volume. Otherwise, equals intermediate volume - outflow.				
Calculations	Calculated Final Depth	feet	Calculated from Final Volume using volume-depth equation (see Table 3).				
	Final Area	acres	Calculated from Final Volume using volume-area equation (see Table 3).				
Spill Volume	Spill	acre-feet	If intermediate volume - outflow < 0, then no spill. If intermediate volume - outflow < max. basin volume, then no spill, else intermediate vol outflow - max. basin volume.				
			W. Basin #3 received spill from Additional Basin and W. Basin #2 received spill from W. Basin #3.				

Table 3. Precipitation & Evaporation							
Water Year	Annual Rain (inches)	Annual Evaporation (inches)					
2010	17.07	44.28					
2011	15.34	47.66					
2012	9.46	51.44					
2013	9.83	55.96					
2014	5.41	54.88					
2015	11.91	52.27					
2016	15.19	53.80					
2017	17.76	50.85					
2018	9.47	52.95					
2019	17.08	52.16					
2020	12.27	55.68					
2021	6.98	57.29					

Western Basin #3 **Temporary Basin** Western Basin #2 Assumed depth (feet):A 28 Assumed depth (feet): 28 Assumed depth (feet): 14 Calculated area (acres): 1.16 1.16 Calculated area (acres): 5.74 Calculated area (acres): Outer sides (feet): 225 225 Outer sides (feet): 225 225 Outer sides (feet): 500 500 Bottom sides (feet): 214 214 Bottom sides (feet): 416 214 214 Bottom sides (feet):

Table 4. Basin Characteristics Used in Model

Total volume	(AF):	15.5	Total volume	e (AF):	15.5	Total volume	(AF):	33.8
Depth	Area	Volume	Depth	Area	Volume	Depth	Area	Volume
feet	acres	acre-feet	feet	acres	acre-feet	feet	acres	acre-feet
0	1.05	0.00	0	1.05	0.00	0	3.97	0.00
2	1.06	1.05	2	1.06	1.05	2	4.21	4.09
4	1.07	2.11	4	1.07	2.11	4	4.44	8.41
6	1.07	3.18	6	1.07	3.18	6	4.69	12.98
8	1.08	4.26	8	1.08	4.26	8	4.94	17.80
10	1.09	5.35	10	1.09	5.35	10	5.20	22.87
12	1.10	6.44	12	1.10	6.44	12	5.47	28.20
14	1.11	7.54	14	1.11	7.54	14	5.74	33.81
16	1.11	8.65	16	1.11	8.65			
18	1.12	9.77	18	1.12	9.77			
20	1.13	10.89	20	1.13	10.89			
22	1.14	12.02	22	1.14	12.02			
24	1.15	13.17	24	1.15	13.17			
26	1.15	14.32	26	1.15	14.32			
28	1.16	15.47	28	1.16	15.47			
Area Eq'n.:	$y = -1E-05x^2 + 0.0$	075x + 1.0494	+ 1.0494 Area Eq'n.: y = -1E-05x² + 0.0075x + 1.0494 Area Eq'n.: y = -1E-03x		$y = -1E-03x^2 + 0$	0.0569x + 3.9741		
Depth Eq'n.:	y = -0.006x ² + 1.9	024x	Depth Eq'n.:	: y = -0.006x ² + 1.	$x^2 + 1.9024x$ Depth Eq'n.: $y = -2.3x^2 + 0.4911x$		911x	

Note A. Basins are below grade, final configuration will fall below the limits in Division of Dam Safety Regulations.

MODEL OUTPUT

Table 5 summarizes various scenarios of basin operation, from fully covered basins to wholly uncovered basins, in drought years and for average and maximum site water use. **Attachment A** shows graphs of each scenario. In each scenario, the percentage of water drawn from each basin was manually adjusted to generally minimize the amount of off-site water would be needed during a drought year. There may be other ways to operate the basins to reduce the amount of off-site water needed over time (*e.g.*, reduce the frequency at which off-site water is needed). The results as shown, however, will not underestimate the amount of off-site water needed.

The scenarios evaluated included construction both during even and odd years. Construction during even years includes 2014, the driest year in the model period. Construction during odd years includes 2013, a below-average precipitaton year that immediately preceding the driest year.

Table 5. Summary of Drought-Year Scenarios of Basin Operation and Frequency That Offsite Water Will be Needed in Any Year

Drought Year 2014 - With Construction (Even Year Construction)	# of Days Off- Site Water Needed	GPM for 8 Hours	Total Gallons	Total Acre-Feet	Estimated Frequency that Some Offsite Water Will Be Needed in (Years)
Maximum Use - All Basins Covered	0	0	-	0.0	0 out of 12
Maximum Use - WB2 & WB3 Covered	65	5	156,000	0.5	1 out of 12
Maximum Use - Only WB2 Covered	224	23	2,472,960	7.6	2 out of 12
Maximum Use - All Basins Uncovered	219	50	5,256,000	16.1	3 out of 12
Average Use - All Basins Covered	0	0	-	0.0	0 out of 12
Average Use - WB2 & WB3 Covered	3	39	56,160	0.2	1 out of 12
Average Use - Only WB2 Covered	149	25	1,788,000	5.5	2 out of 12
Average Use - All Basins Uncovered	213	45	4,600,800	14.1	3 out of 12
Drought Year 2014 – No Construction - Shows Higher Need Because of Previous Dry Year (Odd Year Construction - 2013)	Number of Days Off-Site Water Needed	GPM for 8 Hours	Total Gallons	Total Acre-Feet	Estimated Frequency in Years
Maximum Use - All Basins Covered	0	0	-	0.0	0 out of 12
Maximum Use - WB2 & WB3 Covered	81	32	1,244,160	3.8	1 out of 12
Maximum Use - Only WB2 Covered	209	39	3,912,480	12.0	3 out of 12
Maximum Use - All Basins Uncovered	219	54	5,676,480	17.4	5 out of 12
Average Use - All Basins Covered	0	0	-	0.0	0 out of 12
Average Use - WB2 & WB3 Covered	44	4.4	92,928	0.3	1 out of 12
Average Use - Only WB2 Covered	108	72	3,732,480	11.5	2 out of 12
Average Use - All Basins Uncovered	204	48	4,700,160	14.4	4 out of 12

Notes: WB2 & WB3 = Western Basin 2 & Western Basin 3.

If all basins are covered, no additional off-site water will be needed in any scenario.

Varying amounts of off-site water may need to be imported during drought years (5 to 7 inches of rain; represented by water year 2014 in the model) or in a dry year (approximately 9 inches of rain; represented by water year 2013 in the model) followed by a drought year, depending on how many basins are covered:

- If one basin is left uncovered (assumed to the Temporary Basin), up to approximately 5 acre-feet of water would need to be imported, for roughly 25% of the year.
- If two basins are left uncovered (assumed to be Western Basin #3 and the Temporary Basin), up to approximately 15 acre-feet of water would need to be imported, for roughly 60% of the year.
- If all basins are uncovered, during drought years, up to 24 acre-feet of water for operations and construction (if occurring) would need to be imported for roughly 60% of the year (during the summer and fall). This is almost all of the annual water needs as the minimal quantity of water collected during the winter would be lost to evaporation.
- Based on the 12-year period analyzed and if at least one basin is uncovered, conditions with some import being required would occur roughly once every five or six years.
- Back-to-back dry years will have an effect on the volume of water stored, because in average to above-average rainfall years, some storage is retained from year to year. In back-to-back dry years, there would not be as much stored water at the beginning of each season.

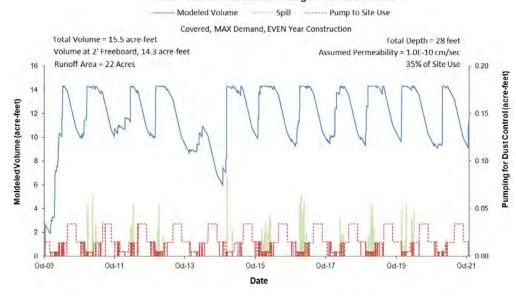
Assuming all basins are uncovered, off-site water may need to be imported during average years (11 to 12 inches), also, depending on the preceding year's rainfall.

- During consecutive average or above-average rainfall years, no additional water would need to be imported under any scenario. In the model, consecutive above-average to average years are represented by water-years 2019 and 2020.
- During an average year following a dry year, additional off-site water may be needed. In the model a dry to average period is represented by water years 2015 and 2015. In this case, approximately 4.2 million gallons (13 acre-feet) of water would need to be imported at the end of the construction season, from August 15 through November 15.

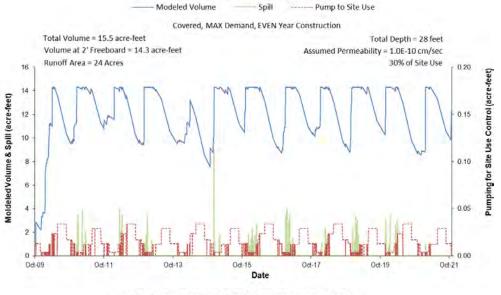
MODEL LIMITATIONS

Results from the model developed for this analysis are dependent on the input assumptions of conditions during the 12 years from 2009 through 2021. Future conditions may or may not be similar. Additionally, as mentioned above, actual operations of the ponds may vary from the assumptions used herein. Thus, the model results should be considered approximate and not wholly predictive.

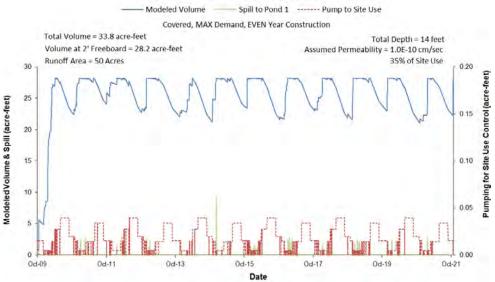
JSRL - Stormwate Pond Modeling - Western Basin #2





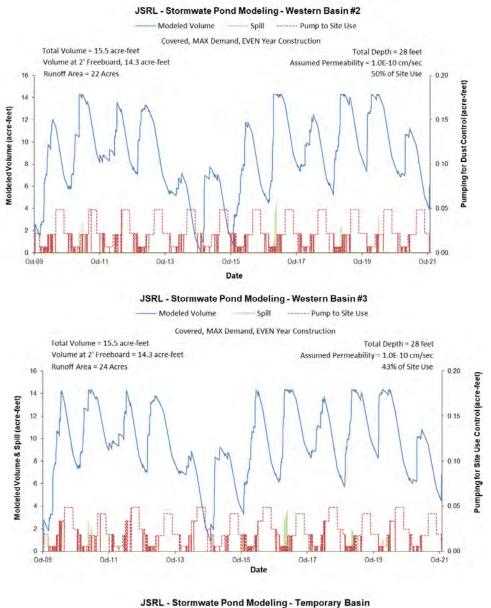


JSRL - Stormwate Pond Modeling - Temporary Basin



All basins covered, maximum demand, drought-year construction:

No off-site water needed.



Spill to Pond 1 ----- Pump to Site Use

Od-17

Total Depth = 14 feet

7% of Site Use

Assumed Permeability = 1.0E-10 cm/sec

Od-19

Uncovered, MAX Demand, EVEN Year Construction

Od-15

Date

Total Volume = 33.8 acre-feet

Runoff Area = 50 Acres

30

25

20

15

10

Od-09

Moldeled Volume & Spill (acre-feet)

Volume at 2' Freeboard = 28.2 acre-feet

Od-11

Od-13



Pumping for Site Use Control (acre-feet)

0.15

0.10

0.05

0.00

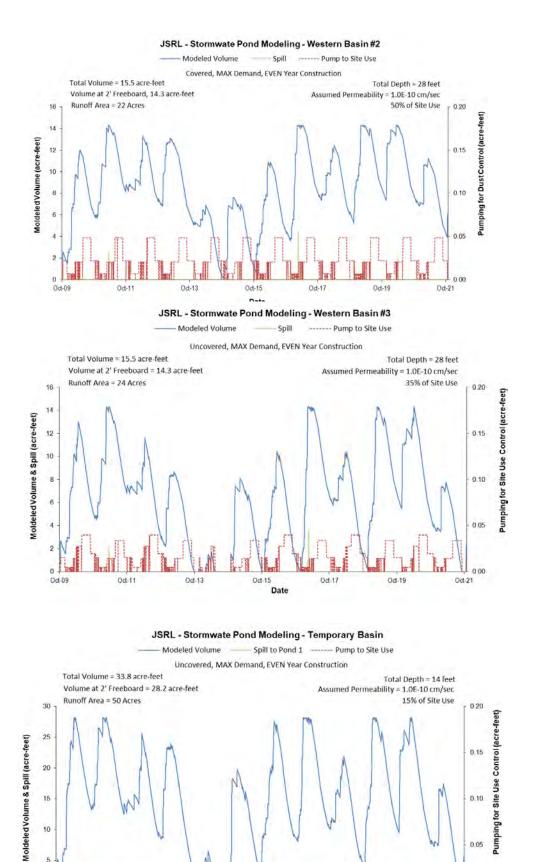
Od-21

WB2 & WB3 covered,
Temporary uncovered;
maximum demand,
drought-year construction:

Offsite demand:

65 days at 5 gpm; ~0.2M gallons/year.

May occur 1 out 12 years.



Oct-15

Date

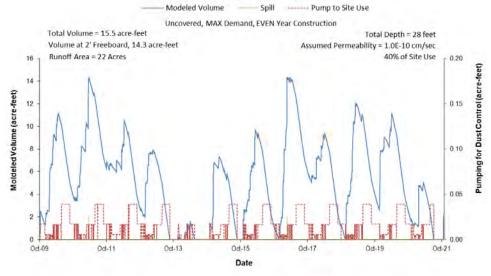
Oct-17

WB2 covered,
WB3 &
Temporary
uncovered;
maximum
demand,
drought-year
construction:

Offsite demand: for 224 days at 23 gpm; ~2.5M gallons/year.

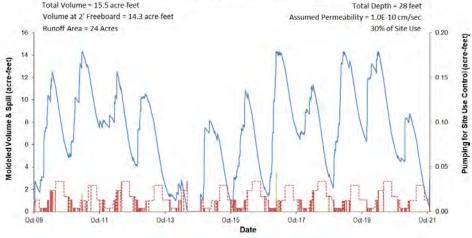
May occur 2 out of 12 years.



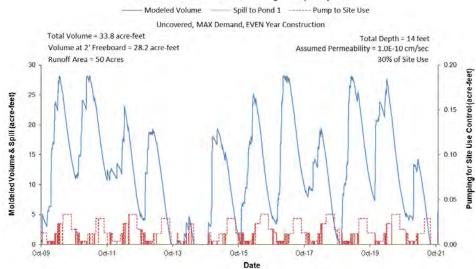


JSRL - Stormwate Pond Modeling - Western Basin #3 Spill ----- Pump to Site Use Modeled Volume





JSRL - Stormwate Pond Modeling - Temporary Basin

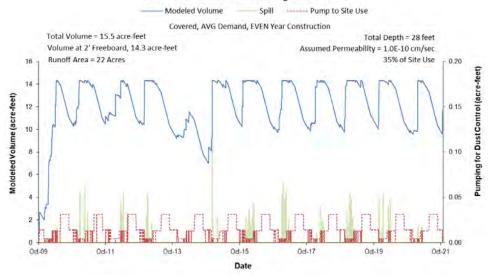


All basins uncovered; maximum demand, droughtyear construction:

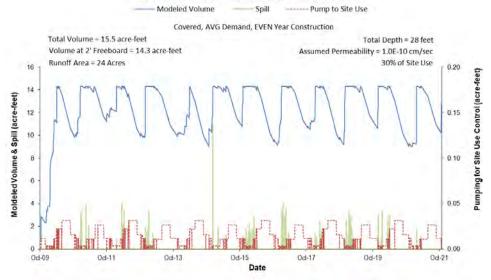
Offsite demand: 219 days at 50 gpm; ~5.3M gallons/year.

May occur in 3 out of 12 years.

JSRL - Stormwate Pond Modeling - Western Basin #2



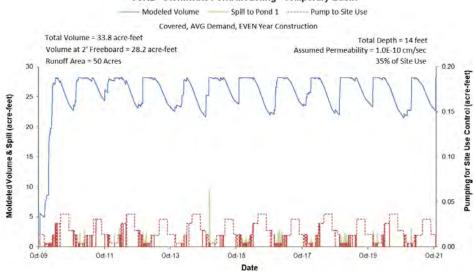
JSRL - Stormwate Pond Modeling - Western Basin #3

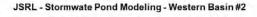


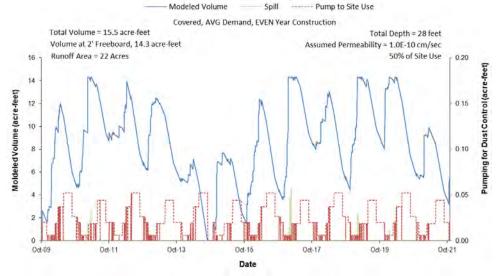
All basins covered, average demand, drought-year construction:

No off-site water needed.

JSRL - Stormwate Pond Modeling - Temporary Basin

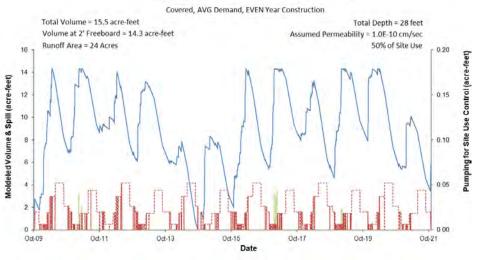




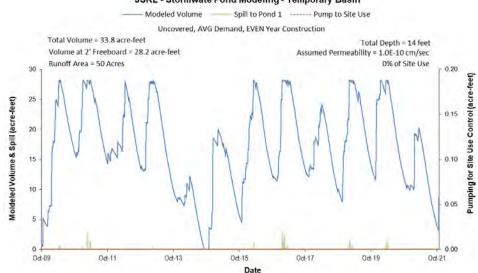


JSRL - Stormwate Pond Modeling - Western Basin #3





JSRL - Stormwate Pond Modeling - Temporary Basin

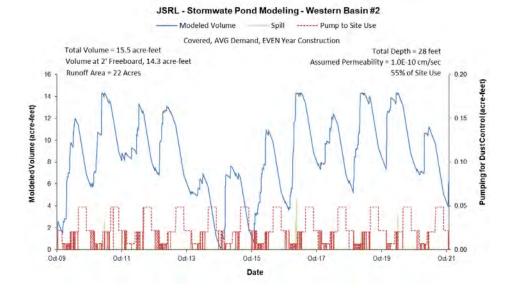


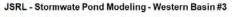
WB2 & WB3
covered,
Temporary
uncovered;
average
demand,
drought-year
construction:

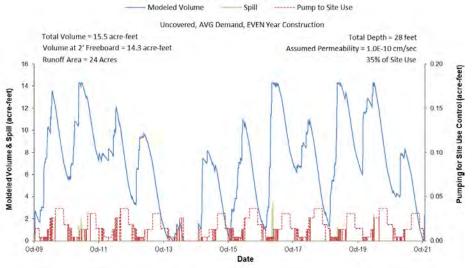
Offsite demand:

39 days at 3 gpm; ~0.06M gallons/year.

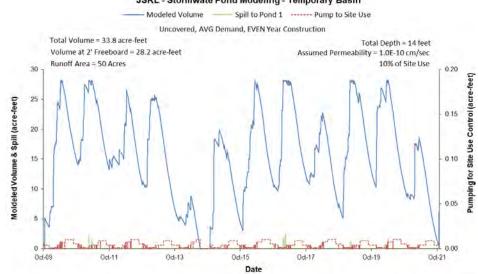
May occur 1 out 12 years.











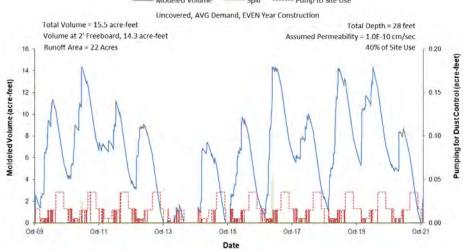
WB2 covered,
WB3 &
Temporary
uncovered;
average
demand,
drought-year
construction:

Offsite demand:

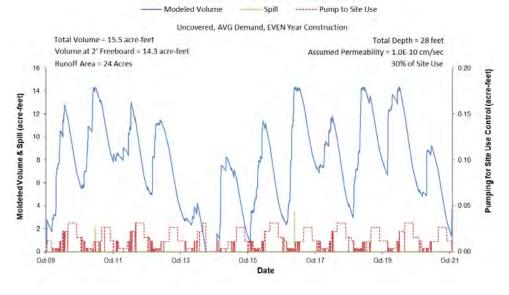
for 149 days at 25 gpm; ~1.8M gallons/year.

May occur 2 out of 12 years.

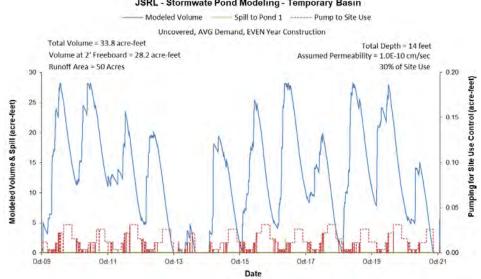




JSRL - Stormwate Pond Modeling - Western Basin #3



JSRL - Stormwate Pond Modeling - Temporary Basin



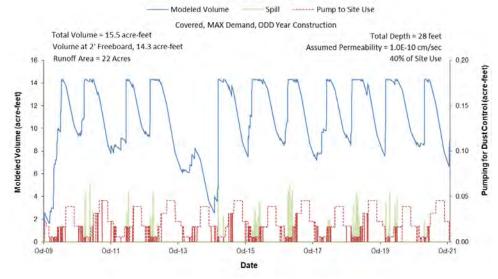
All basins uncovered; average demand, drought-year construction:

Offsite demand:

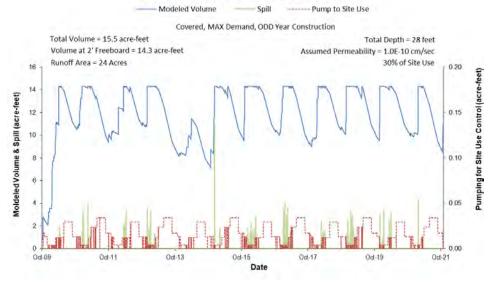
213 days at 45 gpm; ~4.6M gallons/year.

May occur in 3 out of 12 years.





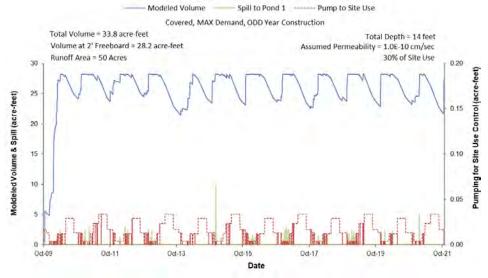
JSRL - Stormwate Pond Modeling - Western Basin #3



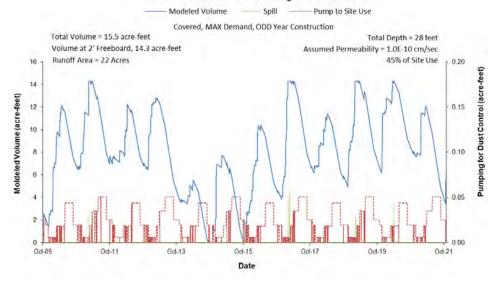
All basins covered, maximum demand, non-drought-year construction:

No off-site water needed.

JSRL - Stormwate Pond Modeling - Temporary Basin



JSRL - Stormwate Pond Modeling - Western Basin #2



JSRL - Stormwate Pond Modeling - Western Basin #3

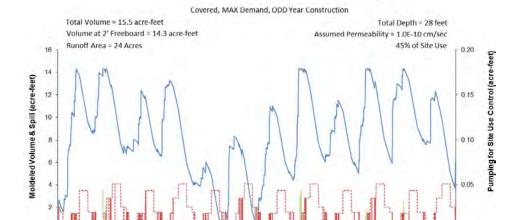
Spill

----- Pump to Site Use

Modeled Volume

Oct-13

Oct-11



JSRL - Stormwate Pond Modeling - Temporary Basin

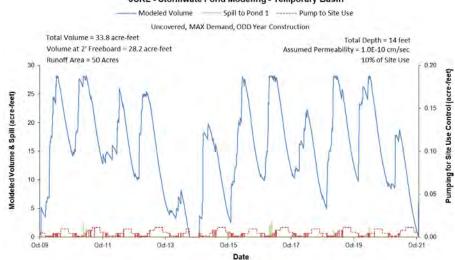
Date

Oct-17

Oct-19

Oct-21

Oct-15

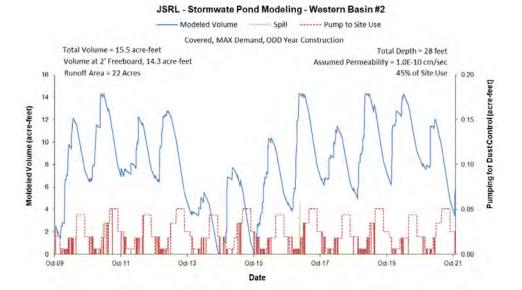


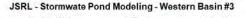
WB2 & WB3
covered,
Temporary
uncovered;
maximum
demand, nondrought-year
construction:

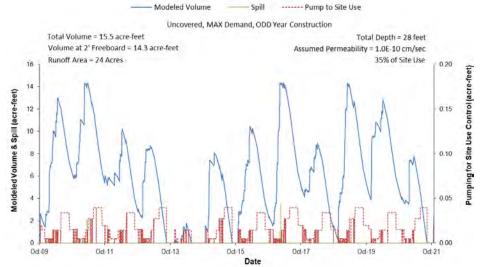
Offsite demand:

81 days at 32 gpm; ~1.2M gallons/year.

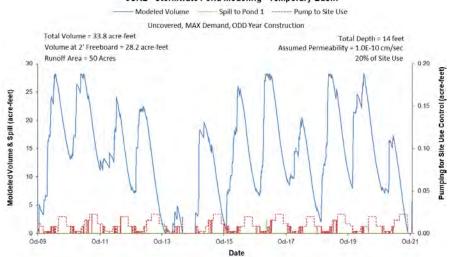
May occur 1 out 12 years.









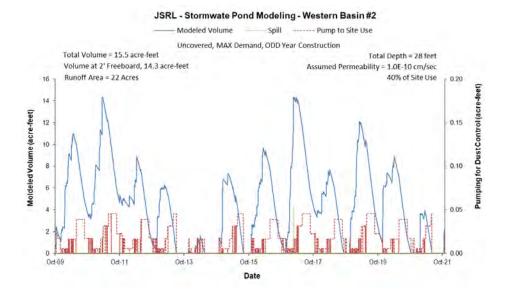


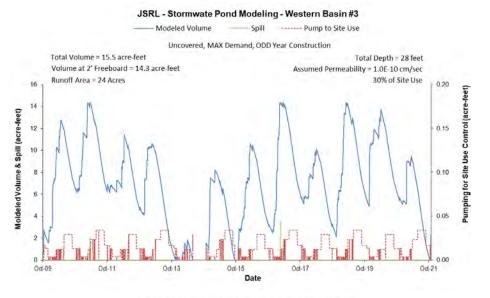
WB2 covered,
WB3 &
Temporary
uncovered;
maximum
demand, nondrought-year
construction:

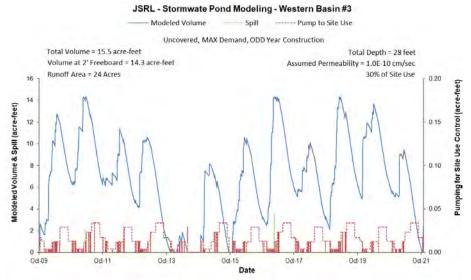
Offsite demand:

for 209 days at 39 gpm; ~3.9M gallons/year.

May occur 3 out of 12 years.





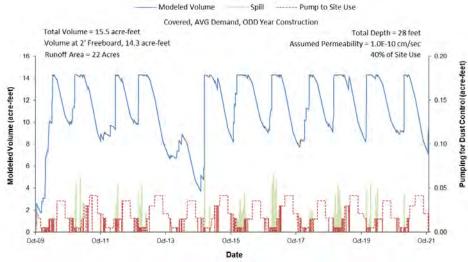


All basins uncovered; maximum demand, non-drought-year construction:

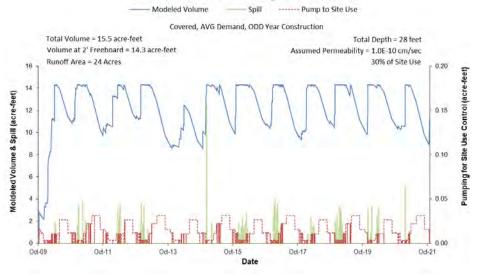
Offsite demand: 219 days at 54 gpm; ~5.7M gallons/year.

May occur in 5 out of 12 years.





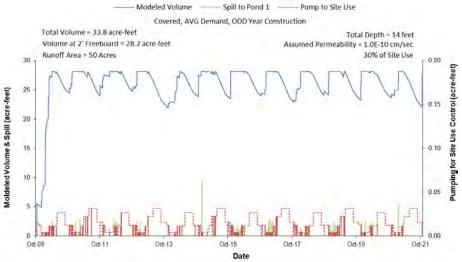
JSRL - Stormwate Pond Modeling - Western Basin #3

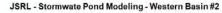


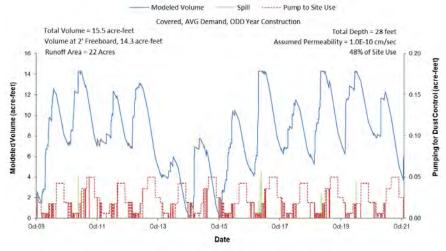
All basins covered, average demand, non-drought-year construction:

No off-site water needed.

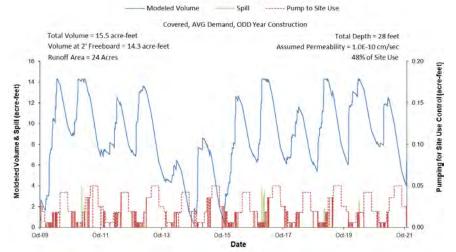
JSRL - Stormwate Pond Modeling - Temporary Basin



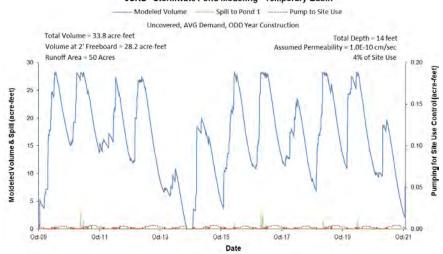




JSRL - Stormwate Pond Modeling - Western Basin #3



JSRL - Stormwate Pond Modeling - Temporary Basin



WB2 & WB3 covered,
Temporary uncovered;
average demand,
drought-year construction:

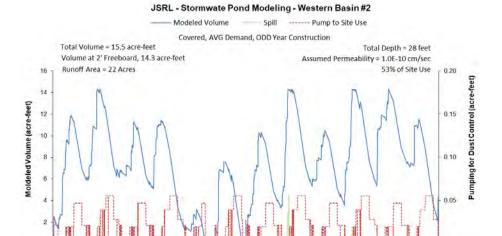
Offsite demand:

44 days at 4.4 gpm; ~0.1M gallons/year.

May occur 1 out 12 years.

0.00

Oct-21



Od-15

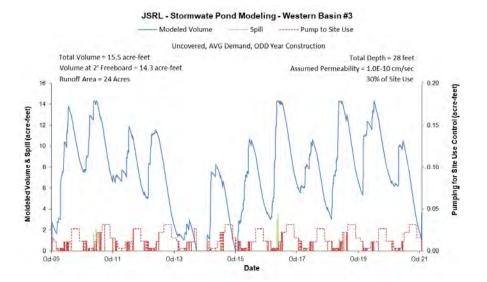
Date

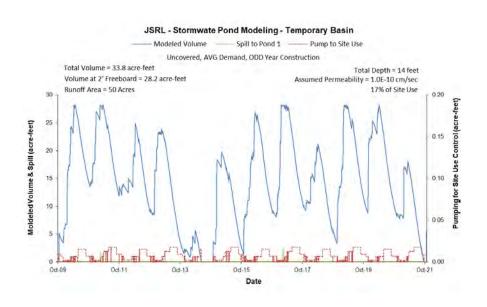
Oct-17

Od-19

Oct-13

Od-09

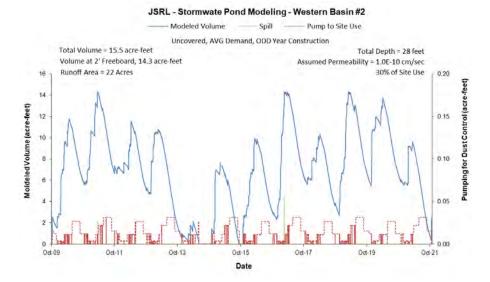


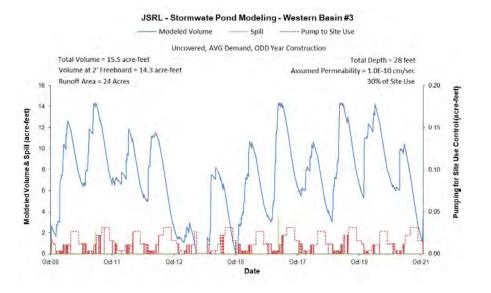


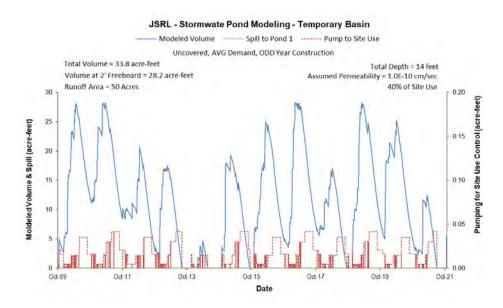
WB2 covered,
WB3 &
Temporary
uncovered;
average
demand, nondrought-year
construction:

Offsite demand: for 108 days at 72 gpm; ~3.7M gallons/year.

May occur 2 out of 12 years.







All basins uncovered; average demand, non-drought-year construction:

Offsite demand: for 204 days at 48 gpm; ~4.7M gallons/year.

May occur 4 out of 12 years.



Technical Memo John Smith Road Landfill Impacts Evaluation for Use of Shore Road Well July 11, 2022

Introduction

This letter presents a technical memo describing the estimated impacts of using a well located at 1370 Shore Road to provide site-use water for John Smith Road Landfill (JSRL) on a periodic basis. Most site-use water can be provided by stormwater collected in onsite basins, although that will depend on whether the stormwater basins are covered.

As described in a technical memo dated July 11, 2022, no offsite water would be required if stormwater basins are covered.¹ If stormwater basins are uncovered, approximately 20 acre-feet of water to supply operational demand may need to be imported during drought years (roughly once every five or six years). In construction years, up to 24 acre-feet may need to be imported. Up to 72 gallons per minute (gpm) would be needed over an 8-hour period (equal to approximately 24 to 25 gpm over 24 hours), for approximately 220 days/year. This would be the maximum amount of offsite water that would need to be imported, no matter if the basins were covered to reduce evaporation or not. The total amount (72 gpm for 8 hours/day × 220 days = 23 to 24 acre-feet) is essentially equal to the total annual amount of water needed for site use (24 acre-feet).

Summary

Aquifer storage in the vicinity of 1370 Shore Road is approximately 8,400 acre-feet. Site-use water of 20 to 24 acre-feet/year represents less than 0.3% of the groundwater available in the vicinity of the well. Although the quantity of groundwater currently used in the area is not known, the additional pumping of 20 to 24 acre-feet is unlikely to have an adverse effect on overall groundwater availability to other users.

Interference at a distance of 500 feet from pumping the 1370 Shore Road well at 72 gpm for eight hours/day (average 24 to 25 gpm over 24 hours) over 220 days likely would be less than 0.5 feet, and possibly as little as ½ inch. Interference at greater distances would be less. At an

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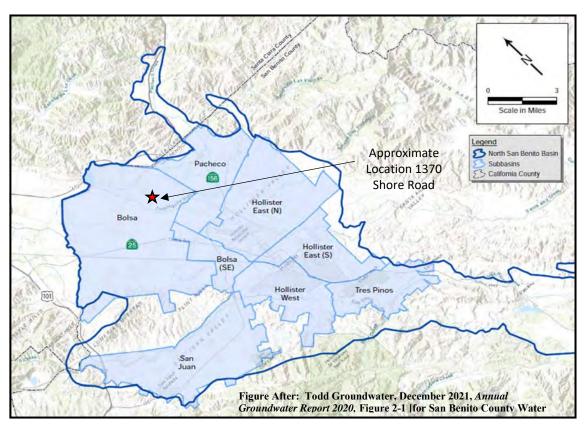
¹ L&A, July 11, 2022, Technical Memo, John Smith Road Landfill, Hydraulic Operation of Western Basins #2 & #3 and Additional Basin, Table 4.

average aquifer thickness of 82 feet, this represents less than 1% of the aquifer thickness. Considering the shallow water levels in this area (at or near ground surface²) and the well depths (100 to 200 feet), interference of less than 0.5 feet would not cause an adverse interference impact (*e.g.*, neighboring wells would not lose the ability to pump water).

Aquifer Description

The well proposed for use is located at 1370 Shore Road, in Township 11 South, Range 5 East, Section 28 (**Figure 1** – following the text). The well's depth, completion details, and stratigraphy are unknown because there is not a Department of Water Resources (DWR) driller's log for it. There are several wells in the immediate vicinity, however, that have driller's logs on record (**Figure 1** shows their locations relative to 1370 Shore Road). The following discussion of aquifer conditions is based on the data in those well logs and other published reports.

The well is situated within the North San Benito subbasin of the Gilroy-Hollister Valley Basin, as defined by DWR. Locally, the North San Benito subbasin is further divided into smaller "management areas" as defined by the San Benito County Water District (SBCWD). The well lies within the Bolsa subbasin, or management area, per the SBCWD definition (**Text Figure 2**).



Text Figure 2. Location of 1370 Shore Road Well Within North San Benito Subbasin.

² Todd Groundwater, December 2021, *Annual Groundwater Report* 2020, Figure 3-7.

The first groundwater development in the North San Benito subbasin was in 1878 in the Lover's Lane area, which is near the Shore Road well.³ These first wells were artesian, but by 1898, groundwater levels were no longer above ground surface. As groundwater pumping continued in the North San Benito subbasin, overdraft conditions developed. To remediate the groundwater overdraft, in the early 1990s Central Valley Project (CVP) water began to be imported into the basin to recharge the aquifer. As CVP water is available, aquifer recharge continues in the southern part of the North San Benito subbasin (not within the Bolsa subbasin).

Importation of CVP water for recharge has allowed groundwater levels to recover, even in the areas, such as the Bolsa subbasin, where it is not directly applied. As **Text Figure 3** shows, groundwater elevations in the area of the Shore Road well were above ground (*e.g.*, some wells are artesian) in 2020. **Text Figure 3** also shows the relationship of the Shore Road well to the major geologic fault in the basin, the Calaveras Fault. The Calaveras fault that bounds the subbasin on the west is considered to represent a relatively impermeable barrier to groundwater flow.⁴

Overall, the North San Benito subbasin is not in overdraft; groundwater level fluctuations reflect the importation of CVP water and recharge from precipitation and streams.⁵ The Bolsa subbasin, showed a net increase in groundwater storage of 37 acre-feet in 2020, based on an average storativity of 0.08 and an average increase in groundwater levels of 0.17 feet over its 2,691 acres.⁶

Per DWR Bulletin 118, the aquifers in the North San Benito subbasin consist of clay, silt, sand, and gravel, and poorly consolidated sandstone. These units are over 1,000 feet thick in the basin. In the vicinity of the Shore Road well, the stratigraphy consists of layers of clay, silt, sand and gravel, of varying thicknesses (based on data from the DWR driller's logs). All wells of record (those with DWR logs) are less than 300 feet deep in the Shore Road area. Thus, the wells do not penetrate the full thickness of the aquifer.

Table 1 summarizes the thickness of the aquifer penetrated by wells shown on **Figure 1** that are in the immediate vicinity of 1370 Shore Road. The part of the aquifer penetrated by these wells ranges from approximately 35 to 165 feet.

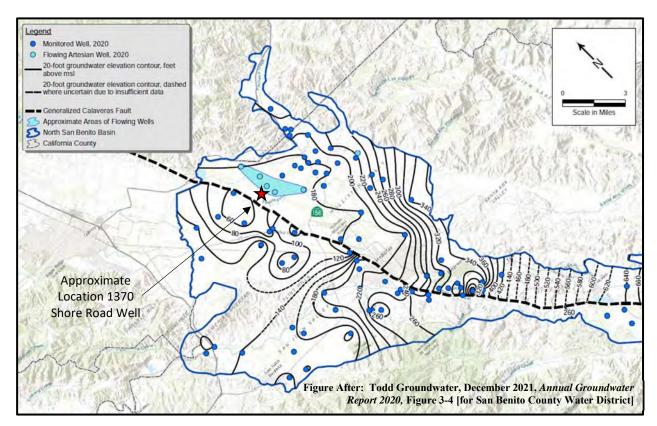
³ Kilburne, Chabot, 1972, *Ground-Water Hydrology of the Hollister and San Juan Valleys, San Benito County, California, 1913 – 68*, p. 15; Open-File Report 73-144.

⁴ DWR, *California's Groundwater Bulletin 118*, Hollister subbasin.

⁵ Todd Groundwater, December 2021, *Annual Groundwater Report 2020* [prepared for the SBCWD].

⁶ *Ibid.*, Table 3-1 (2,691 acres \times 0.17 feet \times 0.08 = 37 acre-feet).

⁷ DWR, California's Groundwater Bulletin 118, Hollister subbasin.



Text Figure 3. Groundwater Elevations in 2020, North San Benito Subbasin.

Table 1. Summary of Aquifer Thickness Penetrated by Wells
In Vicinity of 1370 Shore Road

Well Log #	Top of Bottom of Aquifer Zone		Aquifer-Zone Thickness
	feet bgs	feet bgs	feet
20333	70	235	165
32251	95	150	55
88076	75	180	105
152208	114	148	34
261628	131	203	72
261669	166	215	49
331030	94	200	106
510073	98	204	106
768875	75	124	49

Potential Aquifer Impacts

There are two types of groundwater impacts that could be associated with using the Shore Road well for JSRL site-use water – groundwater availability and interference on neighboring wells.

Regarding the availability of groundwater, we can calculate the amount of groundwater stored in the aquifer in the immediate vicinity of the well and compare that to the amount that could be needed for site use. Using the average storativity of 0.08 for the Bolsa subbasin aquifer (see footnote 5), an average aquifer-zone thickness of 82 feet (average of aquifer-zone thicknesses in **Table 1**), and an area of 1,280 acres (two sections of 640 acres each, *e.g.* Sections 28 and 29 of T11S R5E) gives an aquifer storage in the vicinity of 1370 Shore Road of approximately 8,400 acre-feet. Site-use need would be approximately 20 to 24 acre-feet per year (used mainly during the dry season). Site-use water represents less than 0.25% of the groundwater available in the vicinity of the well. Although the quantity of groundwater currently used in the area is not known (the SBCWD calculates groundwater use only for those areas which receive CVP water), the additional pumping of 20 to 24 acre-feet is unlikely to have an adverse effect on overall groundwater availability to other users.

Interference is the decrease in water level in a well caused by the pumping of a neighboring well. Different pumping rates yield different amounts of interference (for the same pumping period, a high pumping rate causes more interference than a low rate at any given distance). To evaluate the potential interference, a pumping rate must be used in conjunction with the aquifer coefficients of transmissivity and storativity to calculate drawdown.

Transmissivity for the aquifer in the Shore Road vicinity was estimated by multiplying specific capacity by 1,500.⁸ Two wells of record had sufficient information (pumping rate and drawdown) to calculate specific capacity (DWR #14119 and 510073; see **Figure 1** for locations). Storage coefficient was set at 0.08 (dimensionless), per the published value for the Bolsa subbasin.

Using the Theis equation (a standard hydrogeologic equation), **Table 2** shows the expected interference from wells having the range of transmissivity shown by DWR wells #14119 and #510073 (25,000 and 540,000 gpd/foot, respectively). These transmissivities are relatively high, illustrating that the aquifer in this area can transmit groundwater readily. The calculated drawdown for #14119 was slightly less than reported (although that test was done by air lifting the well, not pumping, so the reported values are assumed to be approximate) and that for #510073 was slightly higher than reported. The calculated drawdowns are similar enough to the observed values to illustrate that this method is applicable to predicting future drawdown at different distances and for different pumping periods. This assumes that the aquifer is

⁸ Driscoll, 1986, *Groundwater and Wells*, Appendix 16.D, p.1021.

homogenous at the distances modeled which may or may not be the case. For the purposes herein, however, we are assuming that the aquifer is relatively homogenous (layered clay, sand, and gravel) within the modeled distances.

Interference at a distance of 500 feet from pumping the 1370 Shore Road well at 72 gpm for eight hours/day (average 25 gpm over 24 hours) over 220 days likely would be less than 0.5 feet, and possibly as little as ½ inch. Interference at greater distances would be less. At an average aquifer thickness of 82 feet, this represents less than 1% of the aquifer thickness. Considering the shallow water levels in this area (at or near ground surface 10) and the well depths (100 to 200 feet), interference of less than 0.5 feet would not cause an adverse interference impact (e.g., neighboring wells would not lose the ability to pump water).

Table 2. Calculation of Interference

	***************************************	For Actu Pum		For Future JSRL Site- Use Pumping		
Parameter	Units	#14119	#14119 #510073		Based on #510073	
Transmissvity, T	gpd/ft	25,000	540,000	25,000	540,000	
Storage coefficient, S	unitless	0.08	0.08	0.08	0.08	
Discharge, Q	gpm	100	720	24	24	
Length of pumping period, days	days	0.04	0.17	220.00	220.00	
Distance from center of well, r	feet	0.21	0.33	24.00	24.00	
Storage coefficient	S, di'less	0.080	0.080	1.70E-01	7.87E-03	
Transmissivity	T, gpd/ft	25,000	540,000	1.34	4.28	
Pumping time	t, minutes	60	240	0.15	0.02	
	t, days	0.04	0.17	1.00	1.00	
Discharge	Q, gpm	100.00	720.00	220.00	220.00	
u = [1.87r^2S/Tt]	u	6.23E-06	1.85E-07	24.00	24.00	
Well function of u	W(u)	11.41	14.93	1.70E-01	7.87E-03	
Drawdown, theoretical = [s1=114.6QW(u)/T]	s1, ft	5.23	2.28	1.34	4.28	
Well efficiency	eff., percent	1.00	1.00	0.15	0.02	
Calculated drawdown	s2, ft	5.2	2.3	0.48	0.04	
Observed drawdown	ft	6.0	2.0			

Table 2 of the *Technical Memo, Long-Term Water Use, John Smith Road Landfill* (L&A, July 2022) shows a peak demand of 116 gpm for an 8-hour day. This value reflects the demand on a single peak day; the 72 gpm used herein represents the average of peak use over a period of approximately 220 days, not a single day. Interference analysis for longer periods is more representative of longer-term impacts than analyzing for a single day.

Todd Groundwater, December 2021, Annual Groundwater Report 2020, Figure 3-7.