

**OTAY HILLS CONSTRUCTION AGGREGATE AND INERT
DEBRIS ENGINEERED FILL OPERATION PROJECT**

APPENDIX H

AIR QUALITY ANALYSIS TECHNICAL REPORT

for the

**PUBLIC REVIEW
DRAFT ENVIRONMENTAL IMPACT REPORT**

PDS2004-3300-04-004 (MUP);
PDS2004-3310-04-001 (RP);
PDS2010-3813-10-002 (SPA);
Log No. 04-190-04

JUNE 2020

Prepared for:

COUNTY OF SAN DIEGO
PLANNING & DEVELOPMENT SERVICES
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Air Quality Analysis Technical Report

Otay Hills Construction Aggregate and Inert Debris Engineered Fill Operation Project

**PDS2004-3300-04-004 (MUP); PDS2004-3310-04-001 (RP);
PDS2010-3813-10-002 (SPA); Log No. 04-190-04**

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June 2020

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GLOSSARY OF TERMS AND ACRONYMS

AB	Assembly Bill
AMSL	above mean sea level
ANFO	ammonium nitrate/fuel oil mixture
AQIA	Air Quality Impact Assessment
ATC	Authority to Construct
ATCM	Airborne Toxic Control Measure
BACT	Best Available Control Technology
C&D	construction and demolition
CAA	Clean Air Act (federal)
CAAQS	California Ambient Air Quality Standard
CalEPA	California Environmental Protection Agency
CALINE4	California Line Source Dispersion Model (Version 4)
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCAA	California Clean Air Act
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CFR	Code of Federal Register
CH ₄	methane
CO	carbon monoxide
CO ₂	carbon dioxide
County	County of San Diego
CTB	cement-treated base plant
cy	cubic yards
DPM	diesel particulate matter
du	dwelling unit
EOMSP	East Otay Mesa Specific Plan
°F	degrees Fahrenheit
ft	feet
GHG	greenhouse gas
GVWR	gross vehicle weight rating
H ₂ S	hydrogen sulfide
HAP	hazardous air pollutants
HARP	Hotspots Analysis and Reporting Program
HI	hazard index

GLOSSARY OF TERMS AND ACRONYMS (cont.)

HIA	hazard index acute
HIC	hazard index chronic
HMA	hot mix asphalt plant
HRA	health risk assessment
hp	horsepower
I-5	Interstate 5
I-805	Interstate 805
IDEFO	Inert Debris Engineered Fill Operation
kg	kilogram
LAER	lowest achievable emission rate
lbs	pounds
LOS	level of service
m	meters
MCAS	Marine Corps Air Station
MEI	maximum exposed individual
mg/m ³	milligrams per cubic meter
MMT	million metric tons
mph	miles per hour
NAAQS	National Ambient Air Quality Standard
NDIR	Non-Dispersive Infrared Photometry
NO	nitrogen oxide
NO ₂	nitrogen dioxide
NO _x	oxides of nitrogen
NSR	New Source Review
O ₃	ozone
OEHHA	California Office of Environmental Health Hazard Assessment
OSP	Otay Subregional Plan
Pb	lead
PDS	Planning & Development Services (County of San Diego)
PM ₁₀	respirable particulate matter (particulate matter with an aerodynamic diameter of 10 microns or less)
PM _{2.5}	fine particulate matter (particulate matter with an aerodynamic diameter of 2.5 microns or less)
ppb	parts per billion
ppm	parts per million
PSD	Prevention of Significant Deterioration

GLOSSARY OF TERMS AND ACRONYMS (cont.)

PTC	permit to construct
PVC	polyvinyl chloride
RACM	reasonably available control measures
RAP	recycled asphalt paving
RAQS	San Diego County Regional Air Quality Strategy
REL	reference exposure levels
RTP	Regional Transportation Plan
SANDAG	San Diego Association of Governments
SCAQMD	South Coast Air Quality Management District
SDAB	San Diego Air Basin
SDAPCD	San Diego County Air Pollution Control District
SIP	State Implementation Plan
SLT	screening-level threshold
SO ₂	sulfur dioxide
SO _x	oxides of sulfur
SR	State Route
TACs	Toxic Air Contaminants
T-BACT	Best Available Control Technology for Toxics
tpd	tons per day
tph	tons per hour
tpy	tons per year
TSP	total suspended particulates
URF	unit risk factor
U.S.	United States
USEPA	U.S. Environmental Protection Agency
VMT	vehicle miles traveled
VOCs	volatile organic compounds
µg/m ³	micrograms per cubic meter

EXECUTIVE SUMMARY

This report presents an assessment of potential air quality impacts associated with the Otay Hills Construction Aggregate and Inert Debris Engineered Fill Operation (herein referred as to the “Project” or “Proposed Project”). The evaluation addresses the potential for air pollutant emissions during construction and operation of the Project, including an assessment of the potential for fugitive dust emissions due to the quarry and aggregate processing and diesel particulate matter emissions due to off-road equipment and haul trucks traffic operation.

The Proposed Project consists of an extraction aggregate mining operation, a recycled construction material facility, and the reclamation of each extraction area within the 105-acre property located in the unincorporated community of East Otay Mesa in south San Diego County area. Four phases are proposed for the extraction and reclamation over a 120-year period. The Proposed Project would result in emissions of air pollutants during both its construction phase and operational phase. Construction emissions would include emissions associated with fugitive dust, heavy construction equipment, and construction workers trips. All construction activities are assumed to occur in two separate components: mass grading/backbone infrastructure, and vertical building/paving; the construction stages would occur sequentially. Fugitive dust control measures are incorporated into the Project design to reduce particulate matter with an aerodynamic diameter of 10 and 2.5 microns or less (PM₁₀ and PM_{2.5}, respectively). With the implementation of the fugitive dust control measures, the impact associated with the construction activities would be less than significant. Fugitive dust emissions would be controlled by using an on-site water truck to water down excavation areas and unpaved and paved roads at least three times daily.

Operational emissions would include emissions associated with fugitive dust, heavy construction equipment, mine workers’ commutes, and haul truck trips to and from the site. All mine extraction and reclamation activities are assumed to occur in an overlapping schedule in three phases for approximately 90 years. Analysis of operational emissions determined the peak daily operational NO_x emissions during Phase 2 would exceed the daily threshold and would, therefore, result in a significant impact under CEQA. The majority of the Phase 2 emissions are a direct result of off-site truck trips. It is important to note, the aggregate produced by the Proposed Project would reduce demand on other aggregate operations currently supplying materials over a longer distance. The difference in the trip length between the local and regional trips would help reduce the emissions from the truck trips. Nevertheless, the Project would result in a direct and cumulative significant and unavoidable operational impact related to emissions of NO_x during Phase 2. Emissions of all other criteria pollutants would be below the screening-level and significant thresholds for Project operations and, therefore, would be less than significant under CEQA.

The following is a list of control measures and best management practices that would help reduce fugitive dust emissions during operation of the facility:

- Fugitive dust emissions would be controlled by using an on-site water truck to water down excavation areas and unpaved and paved roads at least three times daily.

- Any blasting areas would be wet down prior to initiating the blast.
- The aggregate processing plant would be equipped with a water spray system to reduce emissions produced during the crushing and screening processes.

All heavy duty off-road equipment operating on the Project site would meet the state of California's Off-road Vehicle Regulations with a minimum of Tier 2 engines for Phases 1 and 2 and a minimum of Tier 4 engines for Phases 3 and 4. In addition, all off-road equipment shall be outfitted with BACT devices.

The Project Applicant, Superior Ready Mix, has designed the operation of the Proposed Project to include the implementation of the following measures, some of which fall under the required BACT guidelines. The design measures included in the air quality modeling and assessment include:

- Installation of baghouse emission control on cone crusher and impact crushers with the potential for emissions. This reduces PM₁₀ emissions by estimated between 95 and 99 percent (NIOSH 2012).
- Installation of water spray emission controls on transfer points with the potential for emissions that are associated with the conveyors and screens. This reduces PM₁₀ emissions by estimated 75 percent (NIOSH 2012).
- Paved access roads will be used for the majority of the haul routes for on-road delivery vehicles. The limited number of on-site unpaved haul roads would be chemically stabilized and/or routinely watered.
- Installation of an efficient material loading system to minimize the amount of product delivery trucks idling time.
- Utilization of material load-out chutes to minimize the potential for dust generation during product loading.
- Use of off-road equipment (such as off-road quarry haul trucks, loaders, graders, etc.) that meet required emission controls under United States Environmental Protection Agency (USEPA) and California Air Resources Board (CARB) off-road diesel vehicle regulations.
- Installation of emission controls on drilling equipment to minimize dust generation.
- Compliance with APCD permits for the Hot Mix Asphalt Plant would require the use of BACT, such as fiber bed mist collectors to ensure a relatively emission- and dust-free operation. A blue smoke control method would apply to all plant components that would entail collecting and transporting hydrocarbon-laden air. Individual pieces of the blue smoke control system work together to form a scavenger system. This involves:

- Sealing all material transfer points to trap blue smoke (from dryer to silo, and from silo to hopper for haul trucks),
- Ductwork to transport smoke from collection points (from the dryer exhaust stack, silo tops, and the truck loadout zone) to the chosen disposal method,
- Utilizing separate scavenger fan to convey captured emissions through the ductwork, and
- Installing dampers within the ductwork to control airflow.
- Compliance with APCD permits for the Concrete Batch Plant would require the use of BACT, such as baghouse dust collectors to ensure a relatively emission- and dust-free operation. Baghouse dust collectors capture the particulate matter in an airstream by forcing the airflow through filter bags. The Concrete Batch Plant would include:
 - 90 percent efficient fabric or cartridge-type vent filters on silos.
 - Enclosed aggregate and cement weigh hoppers, screw conveyors, and use of 90 percent efficient fabric filters for the concrete batcher vent to the baghouse.
 - Flexible shrouds that seal to the trucks along with a water sprinkler system to be used when dry products are mixed.
 - Installation of 90 percent efficient fabric filter shrouds to vent the baghouse.

Because localized traffic impacts at nearby intersections would have low traffic volumes, no exceedances of the carbon monoxide (CO) standard would occur, and the Project would not result in a significant impact for CO. Also, because the Project would be consistent with the land use planning zone and would not exceed the growth projections in the San Diego Association of Governments (SANDAG) growth forecasts for the Otay Subregional Plan Area, the Project would be in compliance with the San Diego County Regional Air Quality Strategy (RAQS), and, therefore, the impact would be less than significant.

Health risk assessments were conducted for construction and operations periods for toxic air contaminants. Both site development and operational impacts were found to be less than significant.

An evaluation of odors indicated that the Proposed Project would generate potential odors and gaseous fumes by evaporative emissions and tailpipe emissions from vehicles and diesel powered equipment during site development and operations. Operations of the asphalt plant would be a source of hydrogen sulfide odors. Blue smoke system is a standard pollution control device for the hot-mix asphalt facility, which will help control hydrocarbon emissions, including hydrogen sulfide. Such exhaust odors may create minor nuisance, but the odor impact would be less than significant.

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1.0 INTRODUCTION

1.1 Purpose of the Report

This report presents an assessment of potential air quality impacts associated with the Proposed Otay Hills Construction Aggregate and Inert Debris Operation (hereafter referred to as “Proposed Project” or “Project”), which includes (1) the extraction of construction-quality aggregate to be sold to the San Diego County market area; (2) the operation of an on-site rock, concrete, asphalt, and recycling facility; and (3) implementation of the reclamation of each extraction area. This air quality analysis technical report includes an evaluation of existing conditions in the Project vicinity, an assessment of potential impacts associated with Project construction, and an evaluation of Project operational impacts. The analysis of impacts is based on state and federal ambient air quality standards, and impacts are assessed in accordance with the guidelines, policies, and standards established by the County of San Diego (County) and the San Diego Air Pollution Control District (SDAPCD). Project compatibility with the adopted air quality plan for the area is also assessed. Measures are recommended, as required, to reduce potentially significant impacts.

1.2 Project Location and Description

1.2.1 Project Location

The Project site is located in the unincorporated community of East Otay Mesa within the Otay Subregional Plan Area in the southernmost portion of San Diego County. The Project impact footprint is located 8.5 miles east of the Interstate 805 (I-805)/State Route (SR) 905 interchange and 0.5 mile east of the intersection of Otay Mesa Road and Alta Road. The Project impact footprint is located at the eastern extension of Otay Mesa on the southwestern flank of the San Ysidro Mountains approximately 2.5 miles north of the United States (U.S.)-Mexico international border. Refer to Figure 1 for the regional location. Figure 2 is an aerial photograph of the Project site and surrounding vicinity.

1.2.2 Project Description

The Project is a proposal to establish a mineral resource recovery operation and associated activities to create much needed construction aggregates and materials to serve the economy of San Diego County for an approximate 90-year period. The Project is located within a 438-acre ownership with extractive operations proposed on 105 acres of the site. The balance of the 438-acre ownership would be placed in biological open space prior to aggregate recovery activities. Depending on the rate of production, the Proposed Project would have a lifespan of approximately 120± years. Approximately 90.9 million tons (i.e., 104.5 million cubic yards [cy]) of mineral resources would be extracted from the Project footprint area and over 28 million tons (33 million cy) of inert debris would be received. Annual production amounts for the Project are anticipated to be between 0.6 and 1.6 million tons (between 0.7 and 1.8 million cy) of aggregate per year.

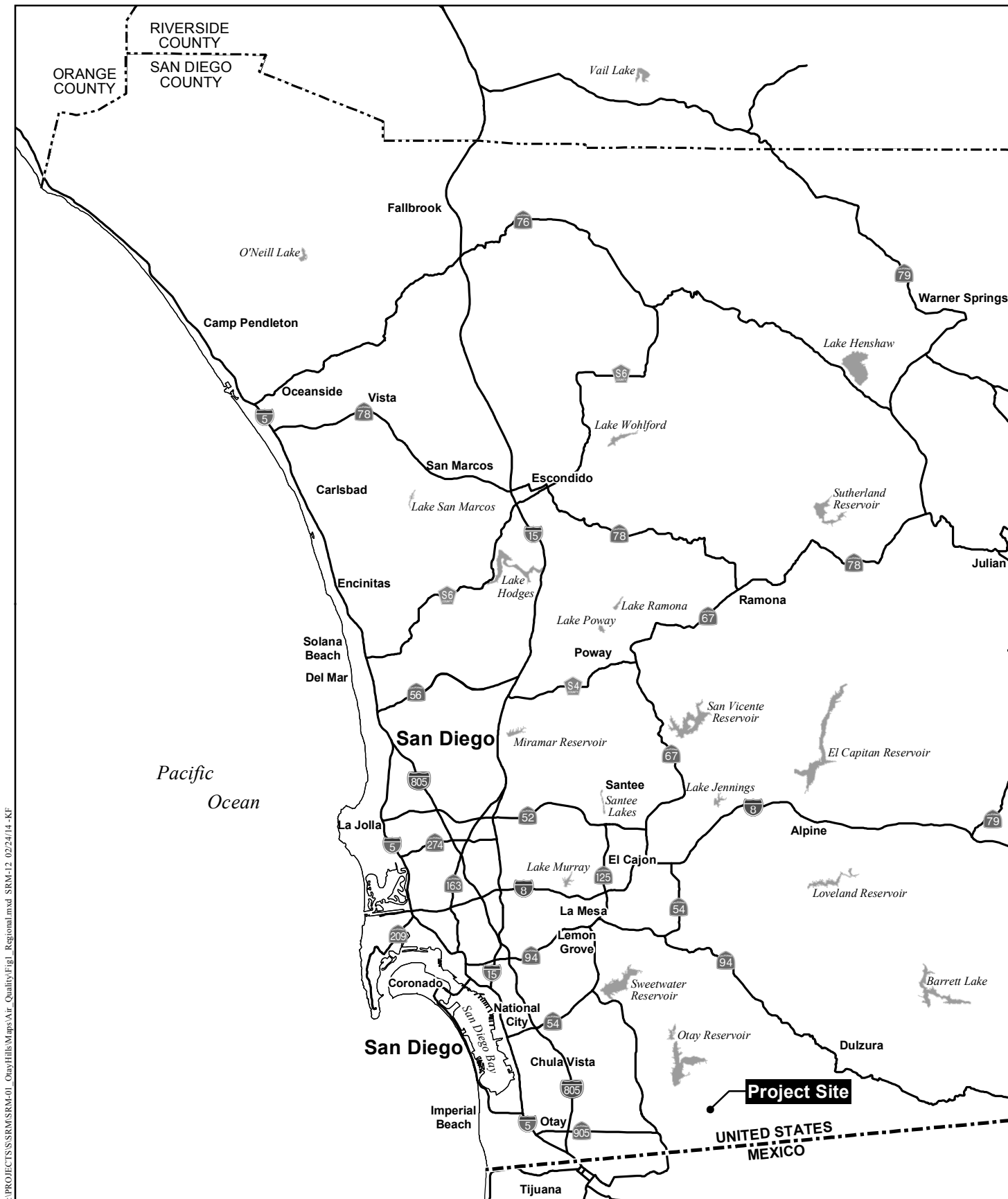
The Proposed Project would consist of site preparation for the processing plant equipment and a phased extraction and backfilling operation. Ongoing backfilling of the site during the open pit extraction phase (Phase 3) of the Project will allow reclamation to progress concurrently with the extraction operation. Assuming a start date of 2020, the Project time line can be summarized as follows:

- Phase 1: Site Preparation (Construction), 1 Year (2020)
- Phase 2: Extraction to Natural Grade Elevation, 21 Years (2021-2042)
- Phase 3: Open Pit Extraction, 66 Years (2043-2110)
- Phase 4: Inert Debris Engineered Fill Operation (Landfill), 64 to 90 Years (2046-Post 2110)

It should be noted that the variables used to prepare the Project time line include assumptions that could change over time. This is particularly true for Phase 4, where the amount of inert debris that will be available to fill the proposed landfill is dependent upon variables that will change such as: (1) the regional economy that affects the rate of construction; (2) the level of recycling; and (3) the competition from other inert landfill sites.

Table 1 presents the summary of the quarry and reclamation plan data. A more detailed description of the activities that will occur in each Project phase is provided in Section 1.2.3.2, *Phasing*.

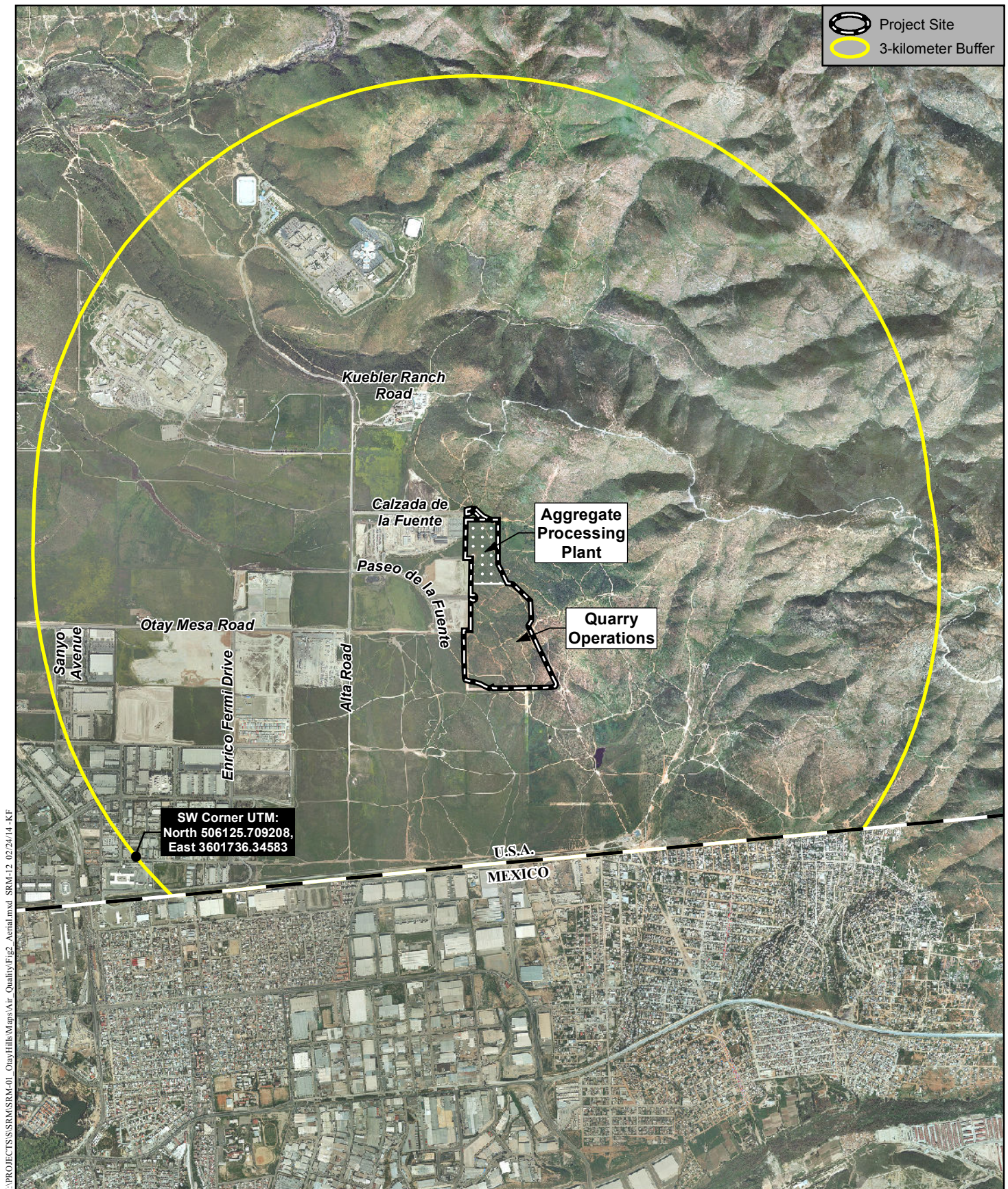
Table 1 QUARRY AND RECLAMATION PLAN DATA SUMMARY	
Design/Operating Characteristics	Description/Parameters/Assumptions¹
OPERATIONAL ACTIVITIES	
Quarrying	Quarrying Excavation through drilling, blasting, and heavy equipment operation.
Processing	Processing Aggregate processing plant, asphalt batch plant, ready-mix concrete plant, recycled materials plant, and aggregate load-out areas.
Reclamation	Grading, overburden/topsoil replacement and revegetation.
Acreages	
Total Parcel(s)	Project Acreage 105 acres
Phase 1 Site Preparation	16.1 acres
Phase 2 Extraction to Natural Grade Elevation	
Phase 2a	17.1 acres
Phase 2b	24.2 acres
Phase 2c	45.4 acres
Phase 3 – Open Pit Extraction	
Phase 3a	8.5 acres
Phase 3b	22.1 acres
Phase 3c	22.1 acres
Phase 3d	33.7 acres



Regional Location Map

OTAY HILLS

Figure 1



Aerial Photograph

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Figure 2

Table 1 (cont.) QUARRY AND RECLAMATION PLAN DATA SUMMARY			
Design/Operating Characteristics		Description/Parameters/Assumptions ¹	
Phase 4 Reclamation		95 acres	
Primary and Secondary Processing Plant and Loadout Area		14.8 acres	
Access and Maintenance Roads		2 acres	
Total Disturbance		105 acres	
Volume	Annual Avg	Max Daily	Max Hourly
Primary Processing Production	1,600,000 tons	8,000 tons	800 tons
Secondary Processing Production	1,400,000 tons	7,000 tons	700 tons
Recycled Material Production	420,000 tons	3,000 tons	300 tons
Sand Screen Plant	200,000 tons	2,000 tons	200 tons
Concrete Batch Plant	1,000,000 tons	10,000 tons	1,000 tons
Cement-Treated Base Plant	320,000 tons	4,000 tons	400 tons
Hot Mix Asphalt Batch Plant	600,000 tons	5,000 tons	500 tons
Operations Period ²			
Mining		87 years	
Reclamation		64-90 years	
Quarry Excavation Area Dimensions ³			
Approximate Maximum Length		2,800 feet	
Approximate Maximum Width		1,700 feet	
Maximum Depth		525 feet	
Operating Hours and Work Force			
Typical Operating Hours		Quarry and Primary Processing Plant: 6:00 a.m. to 4:00 p.m. Monday – Saturday Secondary and Ancillary Processing and Loadout Area, Haul Truck, loadout and hauling, and railcar loadout: 24 hours a day, 7 days a week	
Reclamation Areas			
Open Space		105 acres	

Notes:

¹ All values approximate.

² Mining and reclamation may be completed within a shorter timeframe depending on market demand for the product.

³ Measured at the longest and widest point.

1.2.3 Project Component Parts

1.2.3.1 Operational Characteristics

The Proposed Project would include a hard rock extraction operation that would extract and process rock for construction aggregate purposes. Rock that has been processed for use in manufacturing other products (such as concrete or asphalt) is typically referred to as aggregate. Materials would be extracted using blasting to fracture and loosen the hard rock resources, followed by extraction and processing to size and sort the materials. Anticipated operations at the site would include the following:

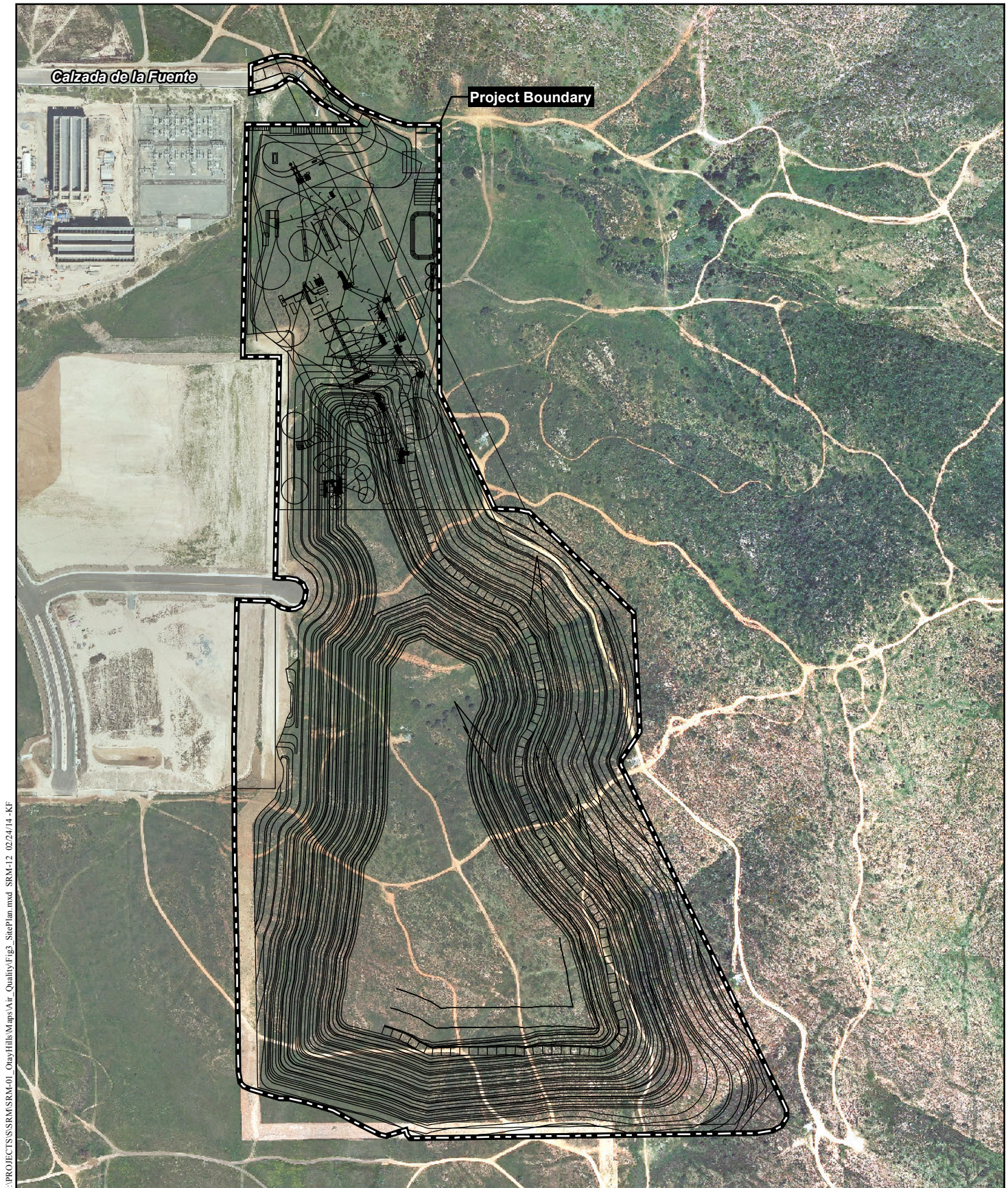
- Phased recovery of rock resources
- Materials processing (primary and secondary plants)
- Concrete ready-mix production
- Cement-treated base production
- Asphalt production
- Recycling of asphalt and concrete products
- Inert Debris Engineered Fill Operation (IDEFO)

The aggregate extraction operation would occur on an approximate 105-acre area while processing activities would take place on an approximate 16.1-acre pad located at the northern portion of the Project site (Figure 3). Some crushing and screening may occur in the pit area. Hours of operation for quarry and processing activities would primarily be from 6:00 a.m. to 4:00 p.m., with special operations outside these hours as early as 5:00 a.m. or as late as 10:00 p.m. as needed for public health, safety, and welfare concerns. This may include California Department of Transportation (Caltrans) projects that must occur outside normal business hours. Maintenance of equipment and export of material would occur 24 hours a day.

Mineral resource recovery operations would be conducted through the use of drilling and blasting to fracture rocks. Based on anticipated production levels of 0.6 to 1.6 million tons per year (tpy), blasting would occur approximately once each week. Blasting operations would be conducted by a licensed blasting contractor, in strict compliance with pertinent federal, state, and county requirements.

As required by Department of Transportation (DOT) rules, explosive materials would be delivered in specially built vehicles marked with United Nations (UN) hazardous materials placards. Explosives and detonators are delivered in separate vehicles or they are separated in compartments meeting DOT rules within the same vehicle. Vehicles contain at least two 10-pound Class-A fire extinguishers and all sides of the vehicles display placards displaying the United Nations Standard hazard code for the onboard explosive materials. Drivers must have commercial driver's licenses with Hazmat endorsements, and drivers must carry bill-of-lading papers detailing the exact quantities and code dates of transported explosives or detonators. Once explosives are delivered to the blasting site, the licensed blaster-in-charge is responsible for directly overseeing their security. The blaster-in-charge must have adequate experience and successfully pass a licensing test verifying their knowledge of blasting methods, rules, and safety procedures. In the State of California, Occupational Safety and Health Administration (CalOSHA) administers the testing and licensing of blasters and the California Highway Patrol establishes safe explosive transport routes and oversees all DOT rules enforcement. In the County of San Diego, a blast permit is required from the Sheriff's Department.

All blasting materials would be transported to the site for each blasting sequence and no explosives would be stored at the site. A single drill rig would be used to drill a pattern of bore holes each with a 3- to 6-inch diameter. Approximately 90 holes would be drilled in a 10,800-square-foot area. Typically, the pattern is laid out in a 10-by-12-foot grid, with approximately 90 holes that would be 45 feet in depth. A contractor then loads the holes with carefully metered explosives. The "shot" is timed to detonate each hole(s) in sequence. This minimizes the ground vibration and noise of the blast, while maximizing fracture of the rock.



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Project Site Plan

OTAY HILLS

Figure 3

Some dust is created as a result of the blast. The rock would be broken up to sizes less than 18 inches in diameter.

Mine Safety and Health Administration rules require the use water injection when drilling to control drilling dust. Standard blasting practices using sequential delay timing schemes to generate effective rock fragmentation and vibration control will also minimize blasting dust. Further, aggregate quarry operators will invariably remove loose overburden to prevent dilution of mined rock, which lessens the amount of fine material that can become airborne by blasting. A common method of dust control for blasting operations is to wet down the entire blasting area prior to initiating the blast. This procedure minimizes dust being entrained into the air from the blasting activity by allowing it to adhere to the wet surfaces (NIOSH 2012). Because these standard practices would be applied, it is unlikely that airborne dust from blasting would be a cause of concern.

Following blasting, the rock resource would be fractured and could be moved with conventional earthmoving equipment. A front-end loader is used to load off highway rock trucks for transport of fractured rock to the primary processing plant.

Six processing plants are proposed within the Project impact footprint: two materials processing plants (primary and secondary), a concrete batch plant, a cement-treated base plant, a recycling plant, and an asphalt batch plant (Figure 4). The primary plant is loosely defined as the process that takes the raw material and crushes it to a size suitable for further processing and screening. Typically, a primary plant would crush the rock, screen out unusable fine material, and deposit the crushed rock in a surge pile for use by the secondary plant. The primary plant is independent of the secondary plant and can be used without operating the secondary plant. It is anticipated that the primary plant equipment would consist of a jaw crusher, a screen, and a primary crusher. Depending upon distance from the primary processing plant, it may be feasible to utilize a remote jaw crusher and overland conveyor to move materials to the secondary processing plant.

The secondary plant would consist of two or four rock crushers to further reduce the size of the rock, five to seven screens to sort the material by size, and a washer to clean dirt from certain types of material to meet end product specifications. Materials washing would require construction of a pond to recycle and store water. Front end loaders would be needed to only load trucks. Rock that has been processed for use in manufacturing other products, such as concrete and asphalt, is typically referred to as aggregate.

Finished aggregate would be stockpiled and/or stored in overhead loading bins. The stockpiles would be approximately 35 feet high. The aggregate would then be loaded onto trucks either with a front-end loader or by gates on the bottom of overhead loading bins. Prior to leaving the extraction area, loaded trucks would be top-watered to prevent roadway dust and would pass across a scale to determine the total weight of the truck and identify the type and weight of the aggregate. Dust would be controlled with a dust control system using best available control technology (BACT) and would be permitted by the SDAPCD. Dust would be controlled using an on-site water truck to water down excavation areas and unpaved and paved roads as frequently as needed. The aggregate processing plant would be equipped with a water spray system to reduce emissions produced during the crushing and screening processes. Water used in processing would come from the Otay Water District and on-site wells, and the water used to wash the

processed material would be continuously recycled. All on-site equipment would comply with applicable permits issued by the SDAPCD.

Buildings associated with the aggregate plant would likely include an office building, a small scale office, and small maintenance shop. These facilities would be located near the secondary plant. Site operations would likely employ approximately 10 to 15 persons. For employees, an average two-way trip length of 40 miles is assumed as a conservative estimate. On-site parking would be provided.

The concrete ready-mix plant on site would be set up so that materials could be conveyed directly from the aggregate stockpiles to the concrete ready-mix plant. Within the concrete ready-mix plant, appropriate quantities of aggregate of various types, cement, fly ash, and water would be weighed to make up batches of ready-mix concrete. These materials would then be discharged into a mixer drum on a ready mix concrete truck. Compliance with SDAPCD permits would require the use of BACT such as baghouse dust collectors, which would ensure a relatively emission- and dust-free operation. Baghouse dust collectors capture the particulate matter in an airstream by forcing the airflow through filter bags.

The asphalt plant would be sited such that materials could be conveyed from the aggregate stockpiles for direct loading of the asphalt plant by conveyor. The asphalt plant would discharge the various types of aggregate into a large rotating drum, where the aggregate is heated to drive off water. The heated materials would then be mixed with asphalt oil to make asphalt concrete. As in the case of the concrete batch plant, compliance with SDAPCD permits would require the use of BACT such as fiber bed mist collectors, which would ensure a relatively emission- and dust-free operation.

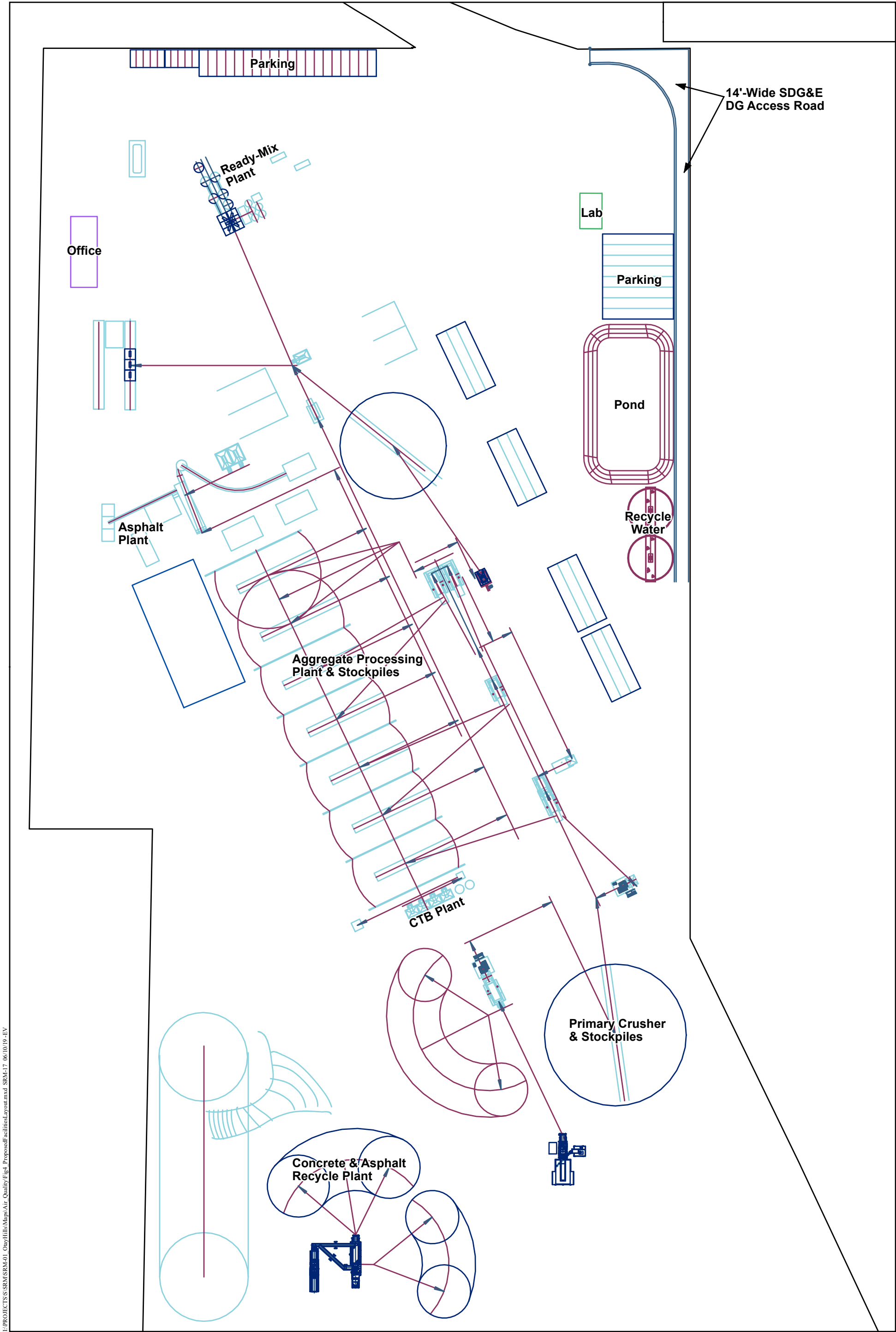
A cement-treated base plant would be located at the site. Cement-treated base is a rock/sand mixture that has been mixed with cement powder to provide improved strength and stability for highway and foundation projects.

A concrete and asphalt recycling plant also would be included as part of the Proposed Project. This process would involve the import of used concrete and asphalt materials, crushing, and then exporting the material for use as road base or foundation material. These materials also may be blended with rock originating from the site to improve performance characteristics.

1.2.3.2 Phasing

The Proposed Project would consist of site preparation for the processing plant equipment and a phased extraction and backfilling operation. Ongoing backfilling of the site during the open pit extraction phase of the Project would allow reclamation to progress concurrently with the extraction operation. Assuming a start date of 2020, the Project time line includes the following phases of development:

- Phase 1: Site Preparation (Construction)
- Phase 2: Extraction to Natural Grade Elevation
- Phase 3: Open Pit Extraction and Reclamation



Proposed Facilities Layout

OTAY HILLS

Figure 4

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- Phase 4: IDEFO (Landfill Reclamation)

The variables used to prepare the Project time line include assumptions that could change over time. That is particularly true for Phase 4, where the amount of inert debris that would be available to fill the proposed landfill is dependent upon variables that would change: (1) regional economy, which affects the rate of construction; (2) level of recycling; and (3) competition from other inert landfill sites.

Phase 1 – Site Preparation Construction

Phase 1 involves site preparation activities prior to mining, including initial grading to establish access routes, extending water and power service to the site, and grading pad areas for the processing plant location. Site preparation operations would be located in the northern portion of the site. Phase 1 grading consists of minor cutting of the landform to create a relatively flat working surface for the processing plant. Construction of the processing plant, concrete batch plant, asphalt plant, cement-treated base plant, and site office would also begin. This initial phase would include approximately 14.8 acres on the Project site, plus associated activities required to construct the access road. Ultimately, the processing area would also extend into the northern portion of Phase 2 and consist of approximately 16.1 acres. Activities in Phase 1 are expected to continue for approximately one year.

Phase 2 – Extraction to Natural Grade Elevation

Phase 2 would involve the commencement of extractive operations within the extraction footprint. This phase is divided into three sub phases, with Phase 2a occurring in the north and Phase 2c in the south. Phase 2 would consist of cutting the landform to the natural grade elevation that exists along the western perimeter of the site. The natural grade elevation of the mesa (west of the site) ranges between 580 and 650 feet above mean sea level (AMSL).

During Phase 2a, aggregate resource would be recovered immediately adjacent to the Phase 1 area and over an approximate 17.1-acre area of the site. Extractive operations in Phase 2a are expected to remove 4.2 million tons and would continue for approximately 4.5 years, depending on the demand for aggregate resources. As aggregate resources are depleted from Phase 2a, extraction operation would transition into Phase 2b.

Phase 2b operations would include the extraction of material from a 24.2-acre area and is expected to continue for approximately 5.5 years, depending on the demand for aggregate resources. This phase is expected to remove 4.7 million tons of material.

Phase 2c would consist of extracting approximately 10.5 million tons of material from the remainder of the extraction footprint (approximately 45.4 acres). Phase 2c is expected to continue for approximately 11 years, depending on the demand for aggregate resources.

As operations progress in Phase 2, slope areas within Phase 1 and Phase 2 would be seeded with a non-invasive erosion control mix. Prior to seeding, topsoil that is removed ahead of extractive operations would be reapplied to slope areas where conditions allow. A portion of the slopes that

are seeded along the eastern perimeter of the pit would be used as a biological buffer adjacent to sensitive environmental habitats proposed to be set aside by the Project to the east of the proposed extractive operations. A native seed mix would be used for these areas.

Phase 3 – Open Pit Extraction and Reclamation

Like Phase 2, Phase 3 is divided into sub phases. Phases 3a through 3d would also progress in a north-to-south direction. Extraction operations that would occur during Phases 3b through 3d would extend to a maximum depth of approximately 525 feet from the existing grade. As part of the reclamation process, the site would be utilized as an IDEFO. Backfilling is expected to continue throughout the Phase 3 operations.

The Phase 3a operations would involve additional extraction of material from an 8.5-acre area that would extend below the finished grade to form a sub-grade depression. Phase 3a extraction operations would extend below the Phase 2a area and would have a maximum depth of approximately 285 feet from the existing grade. This phase is expected to remove approximately 2.9 million tons and would continue for approximately three years, depending on the demand for aggregate resources. As extraction operations advance in Phase 3a and space becomes available, backfilling of the Phase 3a sub-grade depression would commence. Inert fill material would be used to backfill the depression.

Phase 3b operations would consist of extracting 12.2 million tons of material from a 22.1-acre area, over approximately 18 years, depending on the demand for aggregate resources.

It is anticipated that Phase 3c would extract 18.3 million tons of material from a 22.1-acre area, over approximately 18 years, depending on the demand for aggregate resources. Phase 3d operations are expected to extract 32.6 million tons from a 33.7-acre area, over approximately 33 years, depending on the demand for aggregate resources.

Phase 4 – Inert Debris Engineered Fill Operation (Landfill Reclamation)

As extraction operations advance in Phase 3, the pit would be backfilled with inert fill material (fill dirt). Phase 4a would consist of backfilling a portion of the Phase 3a pit area. It is anticipated that this would require approximately 1.2 million tons of imported fill material and would take approximately three years to complete. Phase 4b would involve backfilling the remainder of Phase 3a and portions of Phases 3b, 3c, and 3d. This would be followed by Phase 4c, which would backfill the remainder of Phase 3b and continue to backfill portions of Phase 3c and 3d. Phases 4d and 4e operations would include backfilling the remainder of Phases 3c and 3d.

The assumptions used above include an average annual production of one million tons. The rate of backfill is estimated at 500,000 cy per year. Throughout the phased mine plan, fill material that is used for backfilling would be compacted to form pad areas. All fill material would be inspected upon arrival to ensure that contaminated soils or garbage are not present. All backfilling operations would be supervised by a geotechnical engineer to ensure that the fill materials are adequately compacted to satisfy the needs of the post mining land use.

There are a limited number of landfills that accept fill materials in San Diego County. Inert fill material is produced from a variety of sources, but typically is a by-product of sub-grade excavations for parking garages or development that results in export of naturally occurring soil. In addition, clean demolition materials from redevelopment projects need to be placed in an inert fill materials site.

Where inert landfills are unavailable in the local community, these fill materials must be disposed of in local sanitary landfills or hauled to locations where fill receiver sites are available. Aggregate production sites hold the greatest potential for accepting a relatively large quantity of fill materials. There are a number of mining operations throughout southern California that utilize inert fill material to backfill and compact the mining void in order to reclaim the site to usable land. Depending on the rate at which fill material is imported to the site, it is anticipated that Phase 4 activities would continue for approximately 69 years throughout the extraction operation. Phase 4 operations are anticipated to continue for approximately 18 years beyond extraction operations.

Following completion of all recovery operations, all processing and operating equipment would be removed from the Project site. Reclamation of slope areas would involve replacing topsoil in some areas. Salvaged topsoil would be stockpiled for use during revegetation. Where conditions allow, topsoil would be reapplied to some slope areas.

1.2.3.3 Traffic/Circulation

Phase 1 - Construction

During Phase 1, all truck trips would be related to the construction of the site office and plant equipment. There would be no trips related to mining or landfilling activities during Phase 1. It is anticipated that less than 30 average daily employee trips and 20 daily truck trips would be experienced during this time.

Phases 2 and 3 Quarry Operation

On-site Facilities (Vendors, Employees)

Air pollutant emissions would result from mobile sources associated with the Project. These mobile source emissions would result from the typical daily operation of motor vehicles by vendors, employees, and customers. It is estimated that about 15 employees would be working in the processing plant and approximately 20 truck drivers would be employed for transporting the production of and the import for the aggregate materials. The employees would generate approximately 35 average daily trips per day. During Phase 2, truck trips would be limited to trips required for the extraction operation and materials imports for the on-site processing facilities. There would be no trips related to landfilling activities during Phase 2. Operations would produce approximately 0.6 to 1.6 million tons of aggregate annually. This level of activity would result in approximately 401 truck trips during the maximum production day, related to the extraction operation. The number of trips from material imports and recycle operations would be approximately 118 daily trips. Therefore, approximately 519 maximum daily truck trips should

be expected when both extraction, material imports, and aggregate processing operations are occurring (Phases 2 and 3). An additional 130 truck trips per day would result from imported material and landfilling operations that would occur during Phase 4.

Primary access to the site would be from Calzada de la Fuente, a dedicated access road that connects the northern end of the site with Alta Road. The access road connects with Alta Road approximately one half mile north of the intersection with Otay Mesa Road. A number of potential truck routes are possible. Potential access routes are listed as follows:

- Trucks leaving the site would follow Alta Road to Otay Mesa Road. Trucks would turn right (west) onto Otay Mesa Road to the intersection with State Route 905 (SR 905). Truck traffic would then disperse for deliveries on the Otay Mesa or extend to other areas in the region via State Route 125 (SR 125) or Interstate 805 (I-805) and Interstate 5 (I-5).
- Trucks leaving the site would follow Alta Road to Otay Mesa Road. Trucks would turn right (west) onto Otay Mesa Road to the intersection with Sanyo Avenue. Turning south on Sanyo Avenue to the intersection with Airway Road and then turning west. Airway Road extends across Otay Mesa to the intersection with Cactus Road. Traffic would then turn north on Cactus Road to the intersection with Otay Mesa Road and then turning west to connect with I-805 and/or I-5.

Off-site Vehicle Trips (Venders, Customers)

Because aggregate supply will be consumed with or without the proposed Project, the Proposed Project would not have an effect on overall demand. However, the Project have an effect on the distance that trucks delivering aggregates travel within the region. Project aggregate from the proposed facility would replace materials hauled from farther distances in the south San Diego County region. This rationale is supported by Dr. Peter Berk's —*Working Paper No. 994 – A Note on the Environmental Costs of Aggregate*” (Department of Agricultural and Resource Economics and Policy, Division of Agricultural and Natural Resources, University of California Berkley, January 2005). Dr. Berk states that:

“The opening of a new quarry for aggregates will change the pattern of transportation of aggregates in the area served by the quarry. In this note, we will show that, so long as aggregate producers are cost minimizing, the new pattern of transportation requires less truck transport than the pattern of transportation that existed before the opening of the new quarry. Since the costs of providing aggregates falls, it is reasonable to assume that the price of delivered aggregates also will fall. This note also shows that the demand expansion effect is of very small magnitude. Since the demand increase from a new quarry is quite small, the dominant effect is that the quarries are on average closer to the users of aggregates and, as a result, the truck mileage for aggregate hauling decreases.

To summarize the effects of a new quarry project:

- a) The project in itself will not significantly increase the demand for construction materials in the region through market forces, which include the downward pressure on pricing.*
- b) Truck traffic (i.e. vehicle miles traveled) in the region will not increase and may decrease as a result of the project.”*

The Project would provide local building materials to projects throughout south San Diego County, thus resulting in a reduction in regional truck trips and its corresponding emissions associated with transport of materials from outlying suppliers of aggregate, asphalt, and concrete products.

SANDAG released their *San Diego Region Aggregate Supply Study* in January 2011, which presented information related to the average miles traveled by vehicles delivering aggregate to project sites. The document explains that if the aggregate is transported by truck from current local mines to local project sites, the average distance between existing mines and construction sites in the region is 26 miles, which are used as VMT projections in the San Diego County's 2050 RTP.

Similar to the SANDAG results, an independent market analysis conducted by EnviroMINE determined the average distance between existing mines and aggregate customers in the region is approximately 29 miles (EnviroMINE Inc. 2020). This same study concluded the average distance for aggregate deliveries from the Proposed Project would be approximately 10 miles. The difference in trip length between local and regional trips would help reduce emissions from truck trips.

Phase 4 Landfill and Reclamation Activity

Under the maximum production scenario, Phase 4 would generate up to 165 average daily trips for the landfilling and reclamation activities.

1.2.3.4 Utilities

The Otay Water District (OWD) would supply potable water. A Service Availability Letter from OWD for the Proposed Project identified adequate water resources were available for the Proposed Project with annexation into Improvement District 22. The Proposed Project design includes provision for annexation to the OWD Service Area. A connection into the existing 12-inch water line in Alta Road is proposed as part of Project design and would be located underground along the proposed access road to the processing area discussed previously. The Proposed Project would not utilize any groundwater.

The Proposed Project would not involve any uses that would discharge wastewater to the sanitary sewer or on-site wastewater system. The employees would be provided portable toilet facilities, which would be managed by the operator, and the waste would be transported off site for treatment.

Several San Diego Gas & Electric (SDG&E) electrical and natural gas connections exist within the impact footprint, and tie-ins would be constructed underground along the proposed access road to the aggregate processing area, as discussed above for water lines.

1.2.3.5 Applicant Design Features

Superior's design for the operation of the Proposed Project includes the implementation of the following measures, some of which fall under the required BACT guidelines. These designs were included in the air quality modeling and assessment discussed below.

- Installation of baghouse emission control on cone crusher and impact crushers with the potential for emissions. This reduces PM₁₀ emissions by estimated between 95 and 99 percent (NIOSH 2012).
- Installation of water spray emission controls on transfer points with the potential for emissions that are associated with the conveyors and screens. This reduces emissions by estimated 75 percent (NIOSH 2012).
- Paved access roads for the majority of the haul routes used by on-road delivery vehicles. Limited on-site haul roads will be unpaved, and those will be chemically stabilized and/or routinely watered.
- Installation of an efficient material loading system to minimize the amount of product delivery trucks idling time.
- Utilization of material load-out chutes to minimize the potential for dust generation during product loading.
- Use of off-road equipment (such as off-road quarry haul trucks, loaders, graders, etc.) that meet required, stringent emission controls under United States Environmental Protection Agency (USEPA) and California Air Resources Board (CARB) off-road diesel vehicle regulations.
- Installation of emission controls on drilling equipment to minimize dust generation.
- Hot Mix Asphalt Plant: Compliance with APCD permits would require the use of BACT, such as fiber bed mist collectors, which would ensure a relatively emission- and dust-free operation. A blue smoke control method would apply to all plant components which would entail collecting and transporting hydrocarbon-laden air. Individual pieces of the blue smoke control system must all work together to form a scavenger system. This involves:
 1. Sealing all material transfer points to trap blue smoke (from dryer to silo, and from silo to hopper for haul trucks),
 2. Ductwork to transport smoke from collection points (from the dryer exhaust stack, silo tops, and the truck loadout zone) to the chosen disposal method,

3. Utilizing separate scavenger fan to convey captured emissions through the ductwork, and
4. Installing dampers within the ductwork to control airflow.

Blue smoke systems are likely to become a standard pollution control device for the hot-mix asphalt facility.

- Concrete Batch Plant: Compliance with APCD permits would require the use of BACT, such as baghouse dust collectors, which would ensure a relatively emission- and dust-free operation. Baghouse dust collectors capture the particulate matter in an airstream by forcing the airflow through filter bags.
 1. 90 percent efficient Fabric or Cartridge type vent filters on silos.
 2. Enclosed aggregate and cement weigh hoppers, screw conveyors and concrete batcher vented to a 90 percent efficient fabric filter baghouse.
 3. Flexible shroud which seals to the truck along with a water sprinkler system used when dry products are mixed.
 4. Shroud vented to 90 percent efficient fabric filter baghouse

The following is a list of control measures and best management practices that would help reduce pollutants:

Fugitive dust emissions would be controlled by using an on-site water truck to water down excavation areas and unpaved and paved roads as frequently as three times daily.

A common method of dust control for blasting operations is to wet down the entire blasting area prior to initiating the blast. This procedure minimizes dust being entrained into the air from the blasting activity by allowing it to adhere to the wet surfaces. Standard blasting practices using sequential delay timing schemes to generate effective rock fragmentation and vibration control will also minimize blasting dust.

The aggregate processing plant will be equipped with a water spray system to reduce emissions produced during the crushing and screening processes.

- Water spray system for sand and aggregate transfer points.
- Sand and aggregate storage piles adequately wet to maintain a minimum moisture content of 4 percent by weight.
- Open areas maintained adequately wet to prevent fugitive emissions in excess of 20 percent opacity or Ringlemann 1.

All heavy duty off-road equipment operating on the Project site should meet CARB's Off-road Vehicle Regulations with a minimum of Tier 2 engines for Phases 1 and 2 and a minimum of

Tier 4 engines for Phases 3 and 4. In addition, all off-road equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor and/or operator shall achieve emissions reductions that are no less than what could be achieved by a Level 2 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations.

The On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation requires diesel trucks that operate in California to be upgraded to reduce emissions. Heavier trucks must be retrofitted with PM filters beginning January 1, 2012, and older trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks will need to have 2010 model year engines or equivalent. The regulation applies to nearly all privately and federally owned diesel fueled trucks with a gross vehicle weight rating (GVWR) greater than 14,000 pounds.

Portable engines such as generator sets are regulated by an air toxic control measure that limits diesel particulate matter and must be registered under the Portable Equipment Registration Program (PERP) or comply with local air district permit.

2.0 EXISTING CONDITIONS

2.1 Existing Setting

Surrounding uses include undeveloped land, industrial uses, and scattered rural residential uses (refer to Figure 2). The closest development to the Project impact footprint is the power plant on a lot abutting the northwestern edge of the impact footprint; the land adjacent to the remainder of the impact footprint is undeveloped. There are also some recently graded pads for industrial development located immediately south of the power plant. Areas to the immediate south consist of undeveloped land, and farther to the south, industrial portions of Tijuana, Mexico. Two prison facilities, the R.J. Donovan State Correctional Facility and the George F. Bailey County Detention Facility, are located approximately 1.5 miles north of the Project impact footprint. Two airports, Brown Field and Tijuana International Airport, are near the Project impact footprint; Brown Field is a general aviation airport in the City of San Diego approximately 3 miles west of the impact footprint, and Tijuana International Airport is in Tijuana, Mexico, approximately 2.5 miles to the southwest.

The scattered rural residential uses nearby consist of five private residential farms/ranches located within approximately two miles of the Project impact footprint. The properties include facilities for animals such as horses and sheep, multiple usable and derelict vehicles, as well as homes and scattered outbuildings. The closest to the Project impact footprint are three residences located on Old Otay Mesa Road, approximately 7,100 feet directly west of the Project impact footprint, approximately midway between Harvest Road and Alta Road. Another home is located off Alta Road via Kuebler Ranch Road at approximately 2,800 feet north of the Project impact footprint (note: the former Kuebler residential ranch is currently a commercial establishment, R&F Metal, Inc.). The fifth house is located between the two prison facilities, accessed via a dirt road off of Alta Road before Alta Road reaches the County East Mesa Detention facility, at approximately 5,200 feet northwest of the Project impact footprint.

Two peaks and several canyons, including one large canyon, exist within the Project impact footprint. The largest canyon on the 105-acre Project impact footprint contains the lowest site elevation, approximately 620 feet AMSL, along the western Project impact footprint boundary. This canyon flows via an unnamed drainage westward through the Project impact footprint, and turns southward just beyond the Project impact footprint boundary. The southern slopes of this canyon rise to the highest point on the Project impact footprint, at 1,020 feet AMSL. This peak occurs within the southeastern portion of the Project impact footprint; a neighboring small peak, approximately 720 feet AMSL, occurs at the southwestern corner of the Project impact footprint. The northern and eastern slopes of the canyon rise into the San Ysidro Mountains bordering the Project impact footprint to the north and east. Approximately 21.8 acres of slopes steeper than 25 percent with a minimum 50-foot rise occur on the 105-acre Project impact footprint. These slopes are mainly associated with the hill and canyon slopes, rather than the valleys or peaks.

2.2 Climate and Meteorology

The climate in southern California, including the San Diego Air Basin (SDAB), is controlled largely by the strength and position of the subtropical high-pressure cell over the Pacific Ocean. Areas within 30 miles of the coast experience moderate temperatures and comfortable humidity. Precipitation is limited to a few storms during the winter season. The climate of San Diego County is characterized by hot, dry summers and mild, wet winters.

Figure 5 presents a wind rose from the Donovan meteorological monitoring station, which represents general meteorological trends in the Project area. Donovan is the closest meteorological monitoring station to the Project site. Wind monitoring data recorded at the Donovan station indicate that the predominant wind direction in the vicinity of Project site is from the west. Average wind speed in the vicinity is approximately 5.3 miles per hour. The annual average temperature in the Project area is approximately 50 degrees Fahrenheit (°F) during the winter and approximately 75°F during the summer. Total precipitation in the Project areas averages approximately 13 inches annually. Precipitation occurs mostly during the winter and relatively infrequently during the summer (Western Regional Climate Center 2012).

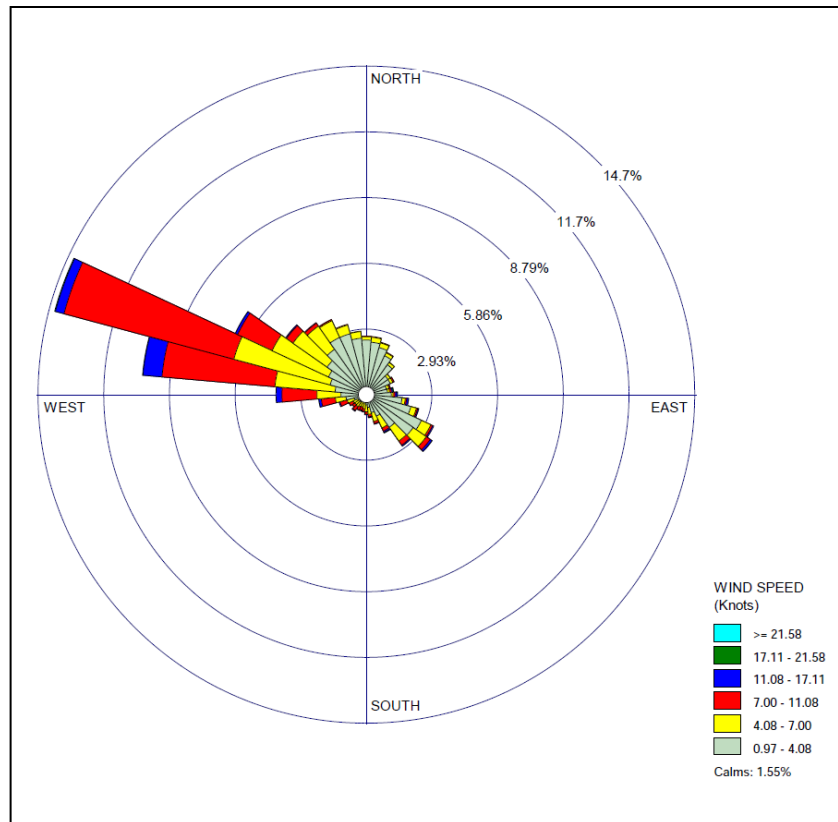


Figure 5. Wind Rose – Donovan Monitoring Station

The atmospheric conditions of the SDAB contribute to the region's air quality problems. Due to its climate, the SDAB experiences frequent temperature inversions (temperature increases as altitude increases). Temperature inversions prevent air close to the ground from mixing with the air above it. As a result, air pollutants are trapped near the ground. During the summer, air quality problems are created due to the interaction between the ocean surface and the lower layer of the atmosphere, creating a moist marine layer. An upper layer of warm air mass forms over the cool marine layer, preventing air pollutants from dispersing upward. Additionally, hydrocarbons and nitrogen oxides (NO_x) react under strong sunlight, creating smog. Light, daytime winds, predominately from the west, further aggravate the condition by driving the air pollutants inland, toward the foothills. During the fall and winter, air quality problems are created due to carbon monoxide (CO) and NO_x emissions. High NO_x levels usually occur during autumn or winter, on days with summer-like conditions (SDAPCD 2008).

High air pollution levels in coastal communities of San Diego often occur when polluted air from the South Coast Air Basin, particularly Los Angeles, travels southwest over the ocean at night and is brought onshore into San Diego by the sea breeze during the day. Smog transported from the Los Angeles area is a key factor on more than 50 percent of the days San Diego exceeds clean air standards (SDAPCD 2010). Ozone and precursor emissions (volatile organic compounds [VOCs] and NO_x) are transported to San Diego during relatively mild Santa Ana weather conditions. However, during strong Santa Ana weather conditions, pollutants are pushed far out to sea and miss San Diego. When smog is blown in from the South Coast Air Basin at ground level, the highest ozone concentrations are measured at coastal and near-coastal

monitoring stations. When the transported smog is elevated, coastal sites may be passed over, and the transported ozone is measured further inland and on the mountain slopes.

2.2.1 Air Pollutants of Concern

2.2.1.1 Criteria Air Pollutants

Federal and state laws regulate air pollutants emitted into the ambient air by both stationary and mobile sources. These regulated air pollutants are known as “criteria air pollutants,” and are regulated by both primary and secondary standards. Primary standards are a set of limits based on protecting human health. Another set of limits intended to prevent environmental and property damage is known as secondary standards. Criteria pollutants are defined by state and federal law as a risk to the health and welfare of the general public.

The following specific descriptions of health effects for each air pollutant associated with Project construction and operation are based on information from the USEPA (USEPA; 2007) and CARB (CARB; 2009a).

Ozone. Ozone (O_3) is considered a photochemical oxidant, which is a chemical that is formed when VOCs and NO_x , both by-products of fuel combustion, react in the presence of ultraviolet light. Low altitude ozone is considered a respiratory irritant and prolonged exposure can reduce lung function, aggravate asthma, and increase susceptibility to respiratory infections. Children and those with existing respiratory diseases are at greatest risk from exposure to ozone.

Carbon Monoxide. CO is a product of fuel combustion, and the main source of CO in the SDAB is from motor vehicle exhaust. CO is an odorless, colorless gas that affects red blood cells in the body by binding to hemoglobin and reducing the amount of oxygen that can be carried to the body’s organs and tissues. CO can cause health effects to those with cardiovascular disease and can also affect mental alertness and vision.

Nitrogen Dioxide. NO_2 is also a by-product of fuel combustion and is formed both directly as a product of combustion and in the atmosphere through the reaction of nitrogen oxide (NO) with oxygen. NO and NO_2 , along with other compounds, comprise NO_x . NO_2 is a respiratory irritant and could affect those with existing respiratory illnesses, including asthma. NO_2 can also increase the risk of respiratory illness.

Respirable Particulate Matter and Fine Particulate Matter. Respirable particulate matter, or PM_{10} , refers to particulate matter with an aerodynamic diameter of 10 microns or less. Fine particulate matter, or $PM_{2.5}$, refers to particulate matter with an aerodynamic diameter of 2.5 microns or less. Particulate matter in these size ranges has been determined to have the potential to lodge in the lungs and contribute to respiratory problems. PM_{10} and $PM_{2.5}$ arise from a variety of sources, including road dust, diesel exhaust, fuel combustion, tire and brake wear, construction operations, and windblown dust. PM_{10} and $PM_{2.5}$ can increase susceptibility to respiratory infections and can aggravate existing respiratory diseases such as asthma and chronic bronchitis. $PM_{2.5}$ is considered to have the potential to lodge deeper in the lungs than PM_{10} .

Sulfur Dioxide. Sulfur dioxide (SO₂) is a colorless, reactive gas that is produced from the burning of sulfur-containing fuels such as coal and oil, and by other industrial processes. Generally, the highest concentrations of SO₂ are found near large industrial sources. SO₂ is a respiratory irritant that can cause narrowing of the airways leading to wheezing and shortness of breath. Long-term exposure to SO₂ can cause respiratory illness and aggravate existing cardiovascular disease.

Lead. Lead (Pb) in the atmosphere occurs as particulate matter. Pb has historically been emitted from vehicles combusting leaded gasoline, as well as from industrial sources. With the phase-out of leaded gasoline, large manufacturing facilities are the sources of the largest amounts of lead emissions. Pb has the potential to cause gastrointestinal, central nervous system, kidney, and blood diseases upon prolonged exposure. Pb is also classified as a probable human carcinogen.

Sulfates. Sulfates are the fully oxidized ionic form of sulfur. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline and diesel fuel) that contain sulfur. This sulfur is oxidized to SO₂ during the combustion process and subsequently converted to sulfate compounds in the atmosphere. The conversion of SO₂ to sulfates takes place comparatively rapidly and completely in urban areas of California due to regional meteorological features. The CARB's sulfates standard is designed to prevent aggravation of respiratory symptoms. Effects of sulfate exposure at levels above the standard include a decrease in ventilatory function, aggravation of asthmatic symptoms and an increased risk of cardio-pulmonary disease. Sulfates are particularly effective in degrading visibility, and due to fact that they are usually acidic, can harm ecosystems and damage materials and property.

Hydrogen Sulfide. Hydrogen sulfide (H₂S) is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. Also, it can be present in sewer gas and some natural gas and can be emitted as the result of geothermal energy exploitation. Breathing H₂S at levels above the standard would result in exposure to a very disagreeable odor. In 1984, a CARB committee concluded that the then-current ambient standard for H₂S would be adequate to protect public health and to significantly reduce odor annoyance (CARB 1984).

Vinyl Chloride. Vinyl chloride, a chlorinated hydrocarbon, is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products. Vinyl chloride has been detected near landfills, sewage plants, and hazardous waste sites as a result of microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in air causes central nervous system effects, such as dizziness, drowsiness, and headaches. Long-term exposure to vinyl chloride through inhalation and oral exposure causes liver damage. Cancer is a major concern from exposure to vinyl chloride via inhalation. Vinyl chloride exposure has been shown to increase the risk of angiosarcoma, a rare form of liver cancer, in humans.

Visibility-reducing Particles. Visibility-reducing particles consist of suspended particulate matter, which is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary greatly in shape, size, and chemical composition; they can be made up of many different materials such as metals, soot, soil, dust, and salt. These particles in the atmosphere can obstruct the range of visibility.

Their concentration regulation standard is intended to limit the frequency and severity of visibility impairment due to regional haze.

2.2.1.2 Health Effects of Criteria Air Pollutants

Air pollutants are recognized to have a variety of health effects on humans. Research by the CARB shows that exposure to high concentrations of air pollutants can trigger respiratory diseases, such as asthma, bronchitis, and other respiratory ailments; and cardiovascular diseases. A healthy person exposed to high concentrations of air pollutants may become nauseated or dizzy, may develop a headache or cough, or may experience eye irritation and/or a burning sensation in the chest. Ozone is a powerful irritant that attacks the respiratory system, leading to the damage of lung tissue. Inhaled particulate matter, NO₂, and SO₂ can directly irritate the respiratory tract, constrict airways, and interfere with the mucous lining of the airways. Exposure to carbon monoxide, when absorbed into the bloodstream, can endanger the hemoglobin, the oxygen-carrying protein in blood, by reducing the amount of oxygen that reaches the heart, brain, and other body tissues. When air pollutants levels are high, a common occurrence in southern California, children, elderly, and people with respiratory problems are advised to remain indoors. Outdoor exercise also is discouraged because strenuous activity may cause shortness of breath and chest pains. A brief discussion of the criteria pollutants and their effect on human health and the environment is provided in Table 2.

Table 2 HEALTH EFFECTS SUMMARY OF THE MAJOR CRITERIA AIR POLLUTANTS		
Pollutants	Sources	Primary Effects
Ozone (O ₃)	Atmospheric reaction of organic gases with nitrogen oxides in sunlight	Aggravation of respiratory and cardiovascular diseases Irritation of eyes Impairment of cardiopulmonary function. Plant leaf injury
Nitrogen Dioxide (NO ₂)	Motor vehicle exhaust High temperature stationary combustion Atmospheric reactions	Aggravation of respiratory illness Reduced visibility Reduced plant growth Formation of acid rain
Carbon Monoxide (CO)	Incomplete combustion of fuels and other carbon containing substances, such as motor exhaust Natural events, such as decomposition of organic matter	Reduced tolerance for exercise Impairment of mental function Impairment of fetal development Death at high levels of exposure Aggravation of some heart diseases (angina)
Particulate Matter (PM _{2.5} and PM ₁₀)	Stationary combustion of solid fuels Construction activities Industrial processes Atmospheric chemical reactions	Reduced lung function Aggravation of the effects of gaseous pollutants Aggravation of respiratory and cardio-respiratory diseases Increased cough and chest discomfort Soiling Reduced visibility

Table 2 (cont.) HEALTH EFFECTS SUMMARY OF THE MAJOR CRITERIA AIR POLLUTANTS		
Pollutants	Sources	Primary Effects
Sulfur Dioxide (SO ₂)	Combustion of sulfur-containing fossil fuels Smelting of sulfur bearing metal ores Industrial processes	Aggravation of respiratory diseases (asthma, emphysema) Reduced lung function Irritation of eyes Reduced visibility Plant injury Deterioration of metals, textiles, leather, finishes, coatings, etc.
Lead (Pb)	Contaminated soil	Impairment of blood function and nerve construction Behavioral and hearing problems in children

Source: CARB 2007e

2.2.1.3 Toxic Air Contaminants

The public's exposure to toxic air contaminants (TACs) is a significant environmental health issue in California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health. The Health and Safety Code (Section 39655, subd. [a]) defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health." A substance that is listed as a hazardous air pollutant pursuant to subsection (b) of Section 112 of the Federal Clean Air Act (CAA; 42 USC Section 7412[b]) is a toxic air contaminant. Under state law, the California Environmental Protection Agency (CalEPA), acting through the CARB, is authorized to identify a substance as a TAC if it determines the substance is an air pollutant that may cause or contribute to an increase in mortality or an increase in serious illness, or that may pose a present or potential hazard to human health.

Cancer Risk. One of the primary health risks of concern due to exposure to TACs is the risk of contracting cancer. The carcinogenic potential of TACs is a particular public health concern because it is currently believed by many scientists that there is no "safe" level of exposure to carcinogens; that is, any exposure to a carcinogen poses some risk of causing cancer. Health statistics show that one in four people will contract cancer over his or her lifetime, or 250,000 in 1 million, from all causes, including diet, genetic factors, and lifestyle choices.

Noncancer Health Risks. Unlike carcinogens, it is believed that there is a threshold level of exposure to most noncarcinogens below which they will not pose a health risk. CalEPA and the California Office of Environmental Health Hazard Assessment (OEHHA) have developed reference exposure levels (RELs) for noncarcinogenic TACs that are health-conservative estimates of the levels of exposure at or below which health effects are not expected. The noncancer health risk due to exposure to a TAC is assessed by comparing the estimated level of exposure to the REL. The comparison is expressed as the ratio of the estimated exposure level to the REL, called the hazard index (HI).

2.3 Regulatory Setting

2.3.1 Air Quality Standards

Air quality is defined by ambient air concentrations of specific pollutants identified by the USEPA to be of concern with respect to health and welfare of the general public. The USEPA is responsible for enforcing the CAA of 1970 and its 1977 and 1990 Amendments. The CAA required the USEPA to establish National Ambient Air Quality Standards (NAAQS), which identify concentrations of pollutants in the ambient air below which no adverse effects on the public health and welfare are anticipated. In response, the USEPA established both primary and secondary standards for several pollutants (called “criteria” pollutants, specifically, ozone, particulate matter, carbon monoxide, nitrogen oxides, sulfur dioxide, and lead).

The CAA allows states to adopt ambient air quality standards and other regulations provided they are at least as stringent as federal standards. The CARB has established the more stringent California Ambient Air Quality Standards (CAAQS) for the six criteria pollutants through the California Clean Air Act (CCAA) of 1988, and also has established CAAQS for additional pollutants, including sulfates, H₂S, vinyl chloride, and visibility-reducing particles. Areas that do not meet the NAAQS or the CAAQS for a particular pollutant are considered to be “nonattainment areas” for that pollutant. On June 3, 2016, the San Diego Air Basin (SDAB) was classified as a moderate nonattainment area for the 8-hour NAAQS for ozone. Effective June 3, 2016, the USEPA determined that 11 areas, including the SDAB, failed to attain the 2008 Ozone NAAQS by the applicable attainment date of July 20, 2015 and, thus, are reclassified as “Moderate” for the 2008 Ozone NAAQS (CARB 2017a). The SDAB is an attainment area for the NAAQS for all other criteria pollutants including PM₁₀ and PM_{2.5}. The SDAB is currently classified as a nonattainment area under the CAAQS for ozone, PM₁₀, and PM_{2.5} (SDAPCD 2017).

Each nonattainment area must submit a State Implementation Plan (SIP) outlining the combination of local, state, and federal actions and emission control regulations necessary to bring the area into attainment as expeditiously as practicable. Then, even after the nonattainment area attains the air quality standard, it will remain designated a nonattainment area unless and until the state submits to the USEPA a formal request for redesignation to attainment. The request must include a “maintenance” plan demonstrating that the area will maintain compliance with that NAAQS for at least 10 years after the USEPA redesignates the area to attainment. A brief summary of the redesignation request and maintenance plan is provided below (SDAPCD 2012).

2.3.1.1 One-Hour Ozone Standard

San Diego County was designated nonattainment for the one-hour ozone standard on March 3, 1978. The region attained the one-hour ozone standard in 2001, based on 1999-2001 air quality data. The SDAPCD prepared and the CARB submitted to the USEPA a redesignation request and maintenance plan in 2002, and the USEPA re-designated San Diego County to attainment for the one-hour ozone standard on July 28, 2003. The USEPA subsequently revoked the one-hour ozone standard on June 15, 2005, after issuing area designations for the more

health-protective 1997 eight-hour ozone NAAQS. However, the USEPA-approved one-hour ozone Maintenance Plan remains in effect as the applicable ozone SIP until the USEPA approves a subsequent ozone SIP submittal (i.e., the Maintenance Plan herein) (SDAPCD 2012).

2.3.1.2 1997 Eight-Hour Ozone Standard

The region was designated nonattainment for the 1997 eight-hour ozone NAAQS, effective June 15, 2004, based on ozone air quality measurements over the 2001-2003 period. At that time, the USEPA did not further “classify” the region as “marginal,” “moderate,” “serious,” “severe,” or “extreme” nonattainment pursuant to section 181 of the CAA. Instead, the USEPA relied on CAA provisions in section 172 that do not require classifications and declared San Diego County (and other regions that had attained the former one-hour ozone NAAQS but violated the 8-hour standard) to be only “basic” (unclassified) nonattainment areas. Basic areas are allowed some flexibility in their air quality attainment plans, whereas classified areas are subject to more prescriptive regulatory requirements. In June 2007, the SDAPCD submitted an SIP revision fulfilling the requirements the USEPA had established for a basic nonattainment area.

However, the USEPA did not take action to approve the 2007 SIP submittal because, also in June 2007, a court ruled that USEPA must reconsider its implementation methodology and criteria for foregoing nonattainment classifications in affected regions, including San Diego County. In a rulemaking responding to the court remand, the USEPA classified San Diego County as a moderate ozone nonattainment area for the 1997 ozone standard, effective on June 13, 2012. According to the USEPA rulemaking, an SIP submittal addressing moderate ozone nonattainment area control requirements would be due in June 2013. Nevertheless, the SDAPCD is already implementing even more stringent NO_x and VOC emission control rules that had been required because the area was previously classified as a serious nonattainment area for the former one-hour ozone standard. Those serious area controls remain in place pursuant to the existing one-hour ozone Maintenance Plan and are similarly retained in the proposed Maintenance Plan herein for the 1997 eight-hour ozone NAAQS.

The SDAPCD is now requesting redesignation of San Diego County to attainment of the 1997 ozone NAAQS. Because the region attained the standard in 2011, and this request for redesignation to attainment is being submitted prior to the June 2013 SIP submittal due date, those moderate area SIP requirements will not apply after the USEPA redesignates San Diego County to attainment for the 1997 ozone NAAQS. Instead, the Maintenance Plan included in this SIP submittal will fulfill that SIP submittal requirement (SDAPCD 2012).

2.3.1.3 2008 Eight-Hour Ozone Standard

The USEPA designated and classified San Diego County as a marginal ozone nonattainment area for the 2008 ozone standard, effective July 20, 2012, based on 2009-2011 ozone data. Redesignation to attainment of the 1997 standard, if approved, would not affect the region’s marginal nonattainment status for the 2008 standard (SDAPCD 2012).

The SDAPCD is required to submit a SIP that identifies control measures and emission reductions to achieve attainment status for eight-hour ozone by July 20, 2018. To address this

requirement, the SDAPCD prepared the 2008 Eight-hour Ozone Attainment Plan, which was finalized in December 2016 and was adopted by the SDAPCD.

The CARB is the state regulatory agency with authority to enforce regulations to both achieve and maintain the NAAQS and CAAQS. The CARB is responsible for the development, adoption, and enforcement of the state's motor vehicle emissions program, as well as the adoption of the CAAQS. The CARB also reviews operations and programs of the local air districts and requires each air district with jurisdiction over a nonattainment area to develop its own strategy for achieving the NAAQS and CAAQS. The local air district has the primary responsibility for the development and implementation of rules and regulations designed to attain the NAAQS and CAAQS, as well as the permitting of new or modified sources, development of air quality management plans, and adoption and enforcement of air pollution regulations. The SDAPCD is the local agency responsible for the administration and enforcement of air quality regulations for San Diego County.

The SDAPCD and the San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the SDAB. The San Diego County RAQS was initially adopted in 1991 and is updated on a triennial basis. The RAQS was initially adopted by the SDAPCD on June 30, 1992, and amended on March 2, 1993, in response to CARB comments. SDAPCD further updated the RAQS Revisions on December 12, 1995; June 17, 1998; August 8, 2001; July 28, 2004; and April 22, 2009. The most recent SDAPCD revisions to the RAQS were adopted by the SDAPCD Board in December 2016. The local RAQS, in combination with those from all other California nonattainment areas with serious (or worse) air quality problems, is submitted to the CARB, which develops the SIP. The SDAPCD has developed its input to the SIP, which includes the SDAPCD's plans and control measures for attaining the ozone NAAQS. SDAPCD submitted an air quality plan to the USEPA in 2007; the plan demonstrated how the eight-hour ozone standard would be attained by 2009. Despite best efforts, SDAB did not meet the ozone NAAQS in 2008 and 2009, SDAPCD is currently revising their air quality plan. These plans accommodate emissions from all sources, including natural sources, through implementation of control measures, where feasible, on stationary sources to attain the standards. Mobile sources are regulated by the USEPA and CARB, and the emissions and reduction strategies related to mobile sources are considered in the RAQS and SIP.

The RAQS relies on information from the CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in the County, to project future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. The CARB mobile source emission projections and SANDAG growth projections are based on population and vehicle trends and land use plans developed by the cities and the County as part of the development of the County's General Plan. As such, projects that propose development that is consistent with the growth anticipated by the general plans would be consistent with the RAQS. In the event that a project would propose development that is less dense than anticipated within the general plan, the project would likewise be consistent with the RAQS. If a project proposes development that is greater than that anticipated in the general plan and SANDAG's growth projections, the project might be in conflict with the RAQS and SIP and might have a potentially significant impact on air quality.

The SIP relies on the same information from SANDAG to develop emission inventories and emission reduction strategies that are included in the attainment demonstration for the air basin. The SIP also includes rules and regulations that have been adopted by the SDAPCD to control emissions from stationary sources. These SIP-approved rules may be used as a guideline to determine whether a project's emissions would have the potential to conflict with the SIP and thereby hinder attainment of the NAAQS for ozone. Table 3 presents a summary of the ambient air quality standards adopted by the CAA and CCAA.

Table 3
AMBIENT AIR QUALITY STANDARDS

Pollutant	Averaging Time	California Standards ¹		Federal Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone ⁸	1-Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	-	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM ₁₀) ⁹	24-Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		-		
Fine Particulate Matter (PM _{2.5}) ⁹	24-Hour	-	-	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12 µg/m ³	15 µg/m ³	
Carbon Monoxide (CO)	1-Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	-	Non-Dispersive Infrared Photometry (NDIR) -
	8-Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)	-	
	8-Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		-	-	
Nitrogen Dioxide (NO ₂) ¹⁰	1-Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	0.100 ppm (188 µg/m ³)	-	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1-Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	-	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3-Hour	-		-	0.5 ppm (1300 µg/m ³)	
	24-Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (365 µg/m ³) (for certain areas) ⁹	-	
	Annual Arithmetic Mean	-		0.030 ppm (80 µg/m ³) (for certain areas) ⁹	-	

**Table 3 (cont.)
AMBIENT AIR QUALITY STANDARDS**

Pollutant	Averaging Time	California Standards ¹		Federal Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Lead ^{12,13}	30-Day Average	1.5 µg/m ³	Atomic Absorption	-	-	-
	Calendar Quarter	-		1.5 µg/m ³	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Average	-		0.15 µg/m ³		
Visibility Reducing Particles ¹⁴	8-Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No Federal Standards		
Sulfates	24-Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24-Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

Notes for Table 3:

Source: CARB 2016

- ¹ California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, suspended particulate matter—PM₁₀, PM_{2.5}, and visibility reducing particles, are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
- ² National standards (other than ozone, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest eight hour concentration 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 PM_{2.5}, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact USEPA for further clarification and current federal 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 procedure 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 USEPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the USEPA.
- 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 PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM_{2.5} 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 standards are in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national standards to the California standards the units can be converted from ppb to ppm. In this case, the national standards of 53 ppb and 100 ppb are identical to 0.053 and 0.100 ppm, respectively.
- 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-hour 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 have are approved.
- ¹² The 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 standards and the Lake Tahoe 20-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.

ppm = parts per million; µg/m³ = micrograms per cubic meter;
mg/m³ = milligrams per cubic meter

The current attainment statuses for San Diego County are included in Table 4, *Federal and State Air Quality Designation*.

Table 4 FEDERAL AND STATE AIR QUALITY DESIGNATION		
Criteria Pollutant	Federal Designation	State Designation
Ozone (1-hour)	No federal standard	Nonattainment
Ozone (8-hour)	Nonattainment	Nonattainment
CO	Attainment	Attainment
PM ₁₀	Unclassifiable	Nonattainment
PM _{2.5}	Attainment	Nonattainment
NO ₂	Attainment	Attainment
SO ₂	Attainment	Attainment
Pb	Attainment	Attainment
Sulfates	No federal standard	Attainment
H ₂ S	No federal standard	Unclassifiable
Visibility	No federal standard	Unclassifiable

Source: SDAPCD 2017a

2.3.2 CARB Air Quality and Land Use Handbook

The CARB published the *Air Quality and Land Use Handbook* on April 28, 2005 (the “CARB Handbook”), to serve as a general guide for considering health effects associated with siting sensitive receptors proximate to sources of TACs. The CARB Handbook explicitly states that it is advisory in nature and that local land use decisions do not have to be consistent with its recommendations (CARB 2005). Some examples of CARB’s recommendations include avoiding siting sensitive receptors within: (a) 500 feet of a freeway, urban road with 100,000 vehicles per day, or rural roads with 50,000 vehicles per day; (b) 1,000 feet of a transport distribution centers; (c) 300 feet of any dry cleaning operation using perchloroethylene; or (d) within 500 feet for dry cleaning operation with two or more machines.

2.3.2.1 California Diesel Regulations

The CARB is responsible for developing statewide programs and strategies to reduce the emission of smog-forming pollutants and toxics by diesel-fueled mobile sources. The identification of diesel particulate matter (DPM) as a TAC in 1998 led the CARB to adopt the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles* in 2000 (CARB 2000).

2.3.2.2 California Diesel Fuel Regulations

Standards for diesel fuel are contained in Title 13, Division 3, Chapter 5, Article 2 of the California Code of Regulations. These standards include sulfur limitations for diesel fuel sold in California for use in on-road and off-road motor vehicles (CARB 2005). Diesel fuel used in motor vehicles was limited to 500 ppm sulfur starting in October 1993. The sulfur limit was reduced to 15 ppm beginning in September 1, 2006. (A federal diesel rule similarly limits sulfur content nationwide for on-road vehicles to 15 ppm, which began on October 15, 2006.)

2.3.2.3 California Off-road Diesel Vehicle Regulation

On July 26, 2007, the CARB adopted a regulation to reduce DPM and NO_x emissions from in-use (existing) off-road heavy-duty diesel vehicles in California (CARB 2007c). Any person, business, or government agency that owns or operates diesel-powered off-road vehicles in California (except for agricultural or personal use, or for use at ports or intermodal rail yards) with engines with maximum power of 25 horsepower (hp) or greater are subject to the regulation. For example, all off-road diesel-powered construction equipment greater than 50 hp sold after January 2009 are required to meet Tier 2 off-road emission standards. Beginning January 1, 2012 through December 31, 2014, all newly purchased off-road diesel-powered construction equipment greater than 50 hp are required to meet Tier 3 off-road emissions standards. After January 1, 2015, all equipment greater than 50 hp must meet the Tier 4 emission standards. The regulation applies to new equipment commonly purchased for construction, mining, rental, airport ground support, and other industries. Out-of-state companies doing business in California are also subject to the regulation. It should be noted that this regulation does not apply to existing equipment purchased or leased.

2.3.2.4 California On-road Heavy-duty Diesel Vehicles Regulation

In 2008, the CARB approved a regulation (CARB 2008) to significantly reduce emissions from existing trucks and buses operating in California. This regulation requires all on-road heavy-duty diesel truck engines to be replaced or retrofitted with PM filter devices certified by CARB. Affected vehicles include on-road, heavy-duty, diesel-fueled vehicles with a gross vehicle weight rating (GVWR) greater than 14,000 pounds; yard trucks with off-road certified engines; and diesel-fueled shuttle vehicles of any GVWR. Out-of-state trucks and buses that operate in California are also subject to the regulation. Approximately 170,000 businesses in nearly all industry sectors in California and almost one million vehicles that operate on California roads each year are affected. Some common industry sectors that operate vehicles subject to the regulation include for-hire transportation; construction, manufacturing, retail, and wholesale trade; vehicle leasing and rental; bus lines; and agriculture.

2.3.2.5 Naturally Occurring Asbestos

In July 2002, the CARB approved an air toxic control measure for construction, grading, quarrying, and surface mining operations to minimize naturally occurring asbestos emissions (CARB 2001). The regulation requires application of best management practices to control fugitive dust in areas known to have naturally occurring asbestos, and it requires notification to the local air district prior to commencement of ground-disturbing activities.

A review of the *General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos* (California Division of Mines and Geology, 2000) was conducted. The guide shows that the Project site is not located in an area of potential naturally occurring asbestos. Therefore, no further action is required. As such, Project-related naturally occurring asbestos impacts would be less than significant.

2.3.2.6 Air Toxics Hot Spots Information and Assessment Act

The California Air Toxics Hot Spots Information and Assessment Act (AB 2588) was enacted by the Legislature in 1987 to address public concern over the release of toxic air contaminants into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information to identify sources of toxic air contaminants, assess air toxic problems, locate resulting "hot spots," notify persons that may be exposed to significant risks, and develop effective strategies to reduce potential risks to the public. In San Diego County, There are currently no active aggregate processing facilities that are required to implement a risk reduction plan or conduct public notification (SDAPCD 2017b). Table 5 presents a summary of previous health risk assessment results for the aggregate facilities in San Diego County.

Table 5 HEALTH RISK ASSESSMENT RESULTS FOR AGGREGATE PROCESSING FACILITIES IN SAN DIEGO COUNTY				
Operator/Facility	Max. Lifetime Cancer Risk per Million¹	Lifetime Cancer Burden²	Chronic Total Hazard Index³	Acute Total Hazard Index⁴
Superior Ready Mix / Canyon Rock	5.6	< 0.1	< 0.1	0.47
Hanson Aggregates / Nelson & Sloan / 7 th & Main	4.2	< 0.1	< 0.1	< 0.1
Vulcan / CALMAT Co. / Hwy 76	4.2	< 0.1	< 0.1	< 0.1
Hanson Aggregates / Sim J. Harris	3.9	< 0.1	< 0.1	< 0.1
Hanson Aggregates/ H.G. Fenton/ East County Materials	3.7	< 0.1	< 0.1	< 0.1
Vulcan / CALMAT Co. / Friars Rd	3.3	< 0.1	0.14	0.3
Hanson Aggregates / Nelson & Sloan / Tri Way	3.1	< 0.1	< 0.1	0.1
Hanson Aggregates / H.G. Fenton / Carrol Canyon	2.6	< 0.1	< 0.1	< 0.1

Table 5 (cont.)
HEALTH RISK ASSESSMENT RESULTS FOR AGGREGATE
PROCESSING FACILITIES IN SAN DIEGO COUNTY

Operator/Facility	Max. Lifetime Cancer Risk per Million¹	Lifetime Cancer Burden²	Chronic Total Hazard Index³	Acute Total Hazard Index⁴
Hanson Aggregates / Nelson & Sloan / Birch Quarry	2.1	< 0.1	< 0.1	0.1
Asphalt Inc.	1.3	< 0.1	< 0.1	< 0.1
Vulcan / CALMAT Co. / Black Mountain Road	1.3	< 0.1	0.20	0.4
Hanson Aggregates / South Coast Materials	0.7	< 0.1	< 0.1	< 0.1

Source: SDAPCD 2013. 2012 Air Toxics “Hot Spots” Program Report for San Diego County.

Notes:

1. This column reports the maximum lifetime excess cancer risk estimate at an occupational or residential receptor (whichever is greater) approved by the District. The maximum estimated risk generally is possible at only one location. All other locations show lower risks. This estimate assumes that a person resides at the location of maximum impact 24 hours per day, 365 days per year, for 70 years of exposure or a person works at the location of maximum impact 8 hours per day, 245 days per year, for 40 years of exposure. Actual cancer risk will likely be less.
2. Excess cancer burden is an estimate of the increased number of cancer cases in a population (i.e., all census tracts within or partially within the one in one million people) as a result of exposure to emitted substances. Actual cancer burden will likely be less.
3. Chronic total health hazard index (THI) is the sum of the ratios of the average annual exposure level of each compound to the compound's reference exposure level (REL). Actual chronic THI will likely be less.
4. Acute THI is the sum of the ratios of the maximum one-hour exposure level of each compound to the compound's REL. Actual acute THI will likely be less.
5. SDAPCD's HRA results are points of maximum impact. Maximum lifetime cancer risk was less than 10 in one million, chronic Total Hazard Index was less than 1 and acute Total Hazard Index was less than 1 at all residential, occupational, and commercial locations.

2.3.3 SDAPCD Rules and Regulations

The SDAPCD also has the authority to adopt and enforce regulations dealing with controls for specific types of stationary sources, emissions of hazardous air pollutants, and New Source Review (NSR). The SDAPCD Rules and Regulations are part of the SIP and are separately enforceable by the USEPA. The following SDAPCD rules apply to the Proposed Project:

- Rule 20 (Standards for Granting Permits) establishes the conditions under which an Authority to Construct (ATC) a new source of air pollutants shall be issued. Applicable NSR requirements are contained in Rules 20.1, 20.2, and 20.3. Rule 20.1 (NSR – General Provisions) provides general provisions related to Rule 20 and includes emission calculation procedures. Rules 20.2 (NSR – Non-Major Stationary Sources) and 20.3 (NSR – Major Stationary Sources & Prevention of Significant Deterioration [PSD] Stationary Sources) provide specific requirements for non-major and major sources and include standards for BACT, lowest achievable emission rate (LAER), Air Quality Impact Analysis (AQIA), PSD, public notification, and emission offsets.

- Rule 50 (Visible Emissions) prohibits the excess emissions of visible fugitive dust. Rules 52 (PM), 53 (Specific Air Contaminants), and 54 (Dust and Fumes) limit the allowable particulate emissions from stacks.
- Rule 51 (Nuisance) prohibits emissions that cause a nuisance or other harm to any person. This nuisance rule is identical to the State Health and Safety Code Section 41700 and states: “A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health, or safety of any such persons or the public or which cause or have a natural tendency to cause injury or damage to business or property.”
- Rule 55 (Fugitive Dust Control) limits fugitive dust emissions.
- Rule 1200 (TAC –NSR) stipulates that proposed facilities with potential emissions of TACs conduct a health risk assessment (HRA) to evaluate off-site impacts from stationary sources on human health. An HRA is included as part of this technical report (see Section 8). Rule 1210 (TACs Public Health Risks – Public Notification and Risk Reduction) outlines public health risk notification requirements for facilities with potential public health risks at or above levels specified in the rule.

2.4 Background Air Quality

The SDAPCD currently operates a network of 11 ambient air monitoring stations throughout San Diego County (SDAPCD 2017). The purpose of the monitoring stations is to measure ambient concentrations of the pollutants and determine whether the ambient air quality meets the CAAQS and the NAAQS. The monitoring station within closest proximity to the Proposed Project area is the Otay Mesa-Donovan station located approximately one mile to the west at 480 Alta Road.

Data from the Otay Mesa-Donovan monitoring station are listed in Table 6, *Ambient Background Concentrations*. Air quality data provided demonstrate the Project area had acceptable levels of NO₂ for the years 2016 to 2018, the most recent years for which data are available (CARB 2019). Conversely, data from this station show that there have been air quality violations for the pollutants O₃, PM₁₀, and PM_{2.5} during the same timeframe. This data is consistent with the overall SDAB, which is in nonattainment for O₃, PM₁₀, or PM_{2.5}.

Table 6 shows violations of state and federal PM₁₀ and PM_{2.5} standards, and demonstrates that state and federal standard violations have occurred in the Project area.

Table 6 AMBIENT BACKGROUND CONCENTRATIONS AT THE OTAY MESA-DONOVAN MONITORING STATION			
Air Pollutant	2016	2017	2018
Ozone (O₃)			
Max 1-Hour (ppm)	0.092	0.097	0.092
Days > CAAQS (0.09 ppm)	0	1	0
Max 8-Hour (ppm)	0.075	0.082	0.079
Days > NAAQS (0.070 ppm)	4	6	1
Days > CAAQS (0.070 ppm)	4	6	1
Particulate Matter (PM₁₀)			
Max Daily (µg/m ³)	79.0	69.0	55.0
Days > NAAQS (150 µg/m ³)	0	0	0
Days > CAAQS (50 µg/m ³)	9	4	3
Annual Average (µg/m ³)	31.3	26.9	26.2
Exceed CAAQS (20 µg/m ³)	Yes	Yes	Yes
Particulate Matter (PM_{2.5})			
Max Daily (µg/m ³)	42.1	42.7	50.8
Days > NAAQS (35 µg/m ³)	*	*	*
Annual Average (µg/m ³)	12.8	*	*
Exceed NAAQS (12 µg/m ³)	Yes	*	*
Exceed CAAQS (12 µg/m ³)	Yes	*	*
Nitrogen Dioxide (NO₂)			
Max 1-Hour (ppm)	0.067	0.074	0.054
Days > CAAQS (0.18 ppm)	0	0	0
Annual Average (ppm)	0.008	0.008	0.006
Exceed NAAQS (0.053 ppm)	No	No	No
Exceed CAAQS (0.030 ppm)	No	No	No

Sources: CARB 2019

> = exceeding; µg/m³ = micrograms per cubic meter; * = insufficient data

Table 6 highlights violations of the state one-hour standard for O₃, demonstrating that such violations occurred over the past three years, but that the violations were rare (one at most per year). Violations of the state and federal eight-hour standards for O₃ are also detailed in Table 6. This table demonstrates that there have been multiple violations up to six days a year with respect to the state and federal 8-hour ozone standards.

3.0 SIGNIFICANCE CRITERIA AND ANALYSIS METHODOLOGIES

3.1 Significance Criteria

The County (2007) has approved guidelines for determining significance based on Appendix G.III of the California Environmental Quality Act (CEQA) Guidelines, which provide guidance that a project would have a significant environmental impact if it would:

1. Conflict with or obstruct the implementation of the San Diego County RAQS or applicable portions of the SIP;

2. Result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation;
 - a. Result in emissions that exceed 250 pounds per day of NO_x, or 75 pounds per day of VOCs.
 - b. Result in emissions of CO of 550 pounds per day, and when totaled with the ambient concentrations, will exceed a one-hour concentration of 20 ppm or an eight-hour average of 9 ppm.
 - c. Result in emissions of PM_{2.5} that exceed 55 pounds per day.
 - d. Result in emissions of PM₁₀ that exceed 100 pounds per day and increase the ambient PM₁₀ concentration by 5 micrograms per cubic meter (5.0 µg/m³) or greater at the maximum exposed individual.
3. Result in a cumulatively considerable net increase of PM₁₀ or PM_{2.5} or exceed quantitative thresholds for ozone precursors, NO_x and VOCs;
4. Expose sensitive receptors (including, but not limited to, schools, hospitals, resident care facilities, or day-care centers) to substantial pollutant concentrations;
 - a. Place sensitive receptors near CO “hot spots” or creates CO “hot spots” near sensitive receptors.
 - b. Result in exposure to TACs resulting in a maximum incremental cancer risk greater than 10 in 1 million with application of Best Available Control Technology for Toxics (T-BACT) or a health hazard index greater than 1.
5. Create objectionable odors affecting a substantial number of people.

As stated above, projects that propose development consistent with the growth anticipated by the general plans and SANDAG’s growth forecasts would be consistent with the RAQS and SIP. Also, projects that are consistent with the SIP rules (i.e., the federally approved rules and regulations adopted by the SDAPCD) are consistent with the SIP. Thus, projects would be required to conform with measures adopted in the RAQS (including compliance with rules and regulations governing stationary sources and portable equipment registration program) and would also be required to comply with all applicable rules and regulations adopted by the SDAPCD.

The County recognizes the SDAPCD’s established AQIA thresholds for air quality emissions (Rules 20.1 et seq.) for application as screening level thresholds (SLTs) for CEQA projects. To determine whether a project would (a) result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation, or (b) result in a cumulatively considerable net increase of PM₁₀ or PM_{2.5} or exceed quantitative thresholds for ozone precursors, NO_x and VOCs, project emissions may be evaluated based on the quantitative emission thresholds established by the SDAPCD where applicable. As part of its air quality permitting process, the SDAPCD has established thresholds in Rule 20.2 for the

preparation of AQIAs. The County also recommends use of the South Coast Air Quality Management District's (SCAQMD's) screening threshold of 75 pounds per day or 13.7 tpy as a significance threshold for VOCs, and 55 pounds per day or 10 tpy for PM_{2.5}.

The County also recognized that the Proposed Project consists of industrial type of land uses, and two separate thresholds were used to determine significance. The Proposed Project will generate emissions from two types of sources—stationary source emissions (permitted source) and non-stationary source emissions (non-permitted source). The SDAPCD promulgated AQIA threshold levels for emissions from stationary sources (SDAPCD Rules 20.2 and 20.3). If these incremental levels for stationary sources are exceeded, an AQIA must be performed for the proposed emission sources. Under the Rule 20.2, New Source Review (NSR), prior to construction of the aggregate plant, the Applicant will need to obtain an ATC and Permit to Construct (PTC) from the SDAPCD. The NSR rule requires installation of BACT to reduce emissions as much as practicable. In addition, Rule 20.2 requires emission sources with stationary source emissions greater than certain thresholds for operational emissions in Table 7 (except for VOC and PM_{2.5}) to obtain emission offsets. SDAPCD Rules 20.2 and 20.3 do not have AQIA thresholds for emissions of VOCs and PM_{2.5}. Note that the emission offset regulations apply only to stationary emission sources. Stationary source emissions generally include emissions from the aggregate processing plant, cement-treated base (CTB) plant, hot mix asphalt plant (HMA) plant, concrete batch plant, and recycle material plant. All other sources at the Proposed Project site are considered non-stationary emissions sources (i.e., mobile emissions that are not regulated under the SDAPCD authority).

Table 7 SCREENING-LEVEL THRESHOLDS FOR AIR QUALITY IMPACT ANALYSIS			
Pollutant	Total Emissions		
Construction Emissions			
	Pounds per Day		
Respirable Particulate Matter (PM ₁₀)	100		
Fine Particulate Matter (PM _{2.5})	55		
Oxides of Nitrogen (NO _x)	250		
Oxides of Sulfur (SO _x)	250		
Carbon Monoxide (CO)	550		
Volatile Organic Compounds (VOCs)	75		
Operational Emissions			
	Pounds Per Hour	Pounds per Day	Tons per Year
Respirable Particulate Matter (PM ₁₀)	---	100	15
Fine Particulate Matter (PM _{2.5})	---	55	10
Oxides of Nitrogen (NO _x)	25	250	40
Oxides of Sulfur (SO _x)	25	250	40
Carbon Monoxide (CO)	100	550	100
Lead and Lead Compounds	---	3.2	0.6
Volatile Organic Compounds (VOCs)	---	75	13.7

Table 7 (cont.) SCREENING-LEVEL THRESHOLDS FOR AIR QUALITY IMPACT ANALYSIS	
Pollutant	Total Emissions
Toxic Air Contaminant Emissions	
Excess Cancer Risk	1 in 1 million 10 in 1 million with T-BACT
Non-Cancer Hazard	1.0 hazard index

Source: SDAPCD Rule 20.2 and Rule 1210, County of San Diego 2007. Thresholds for VOCs and PM_{2.5} based on the threshold of significance for VOCs and PM_{2.5} from the SCAQMD for the Coachella Valley.

Notes: The thresholds for VOCs and PM_{2.5} are not included in the SDAPCD Rule 20.1 - AQIA. For the purpose of standardizing the unit of measure, 13.7 tons per year threshold based on 75 pounds per day multiplied by 365 days per year and divided by 2,000 pounds per ton.

SDAPCD Rule 20.2, which outlines these AQIAs, states that any project which results in an emissions increase equal to or greater than any of these levels, must:

demonstrate through an AQIA... that the project will not (A) cause a violation of a State or national ambient air quality standard anywhere that does not already exceed such standard, nor (B) cause additional violations of a national ambient air quality standard anywhere the standard is already being exceeded, nor (C) cause additional violations of a State ambient air quality standard anywhere the standard is already being exceeded, nor (D) prevent or interfere with the attainment or maintenance of any State or national ambient air quality standard.

For the Proposed Project, whose stationary emissions are below these AQIA criteria, no dispersion modeling is typically required and project-level emissions are presumed to be less than significant. Although these AQIA trigger levels do not generally apply to mobile sources or non-stationary emission sources, for CEQA purposes, the SLT levels in Table 7 (for all criteria pollutants) may be used to evaluate the increased emissions that would be discharged to the SDAB from the Proposed Project.

For purposes of air quality analysis, two separate thresholds (i.e., AQIA and CEQA SLTs) can be used to assess if a project's emissions (e.g., stationary emissions, and emissions from mobile sources) would result in a significant impact to air quality. When project emissions have the potential to approach or exceed the AQIA trigger level or SLTs, additional air quality modeling may need to be performed to demonstrate that ground-level concentrations resulting from project emissions (with background levels) would be below federal and state ambient air quality standards listed in Table 2.

For CEQA purposes, these screening criteria can be used as numeric metrics to assess if a project's total emissions would result in a significant impact to air quality. The CEQA SLTs are included in Table 7.

For nonattainment pollutants (ozone [with ozone precursors NO_x and VOCs], PM_{2.5} and PM₁₀), if emissions exceed the thresholds shown in Table 5, the Project could have the potential to contribute to air quality violations and result in a cumulatively considerable net increase in these pollutants, and thus could have a significant impact on the ambient air quality.

In addition to impacts from criteria pollutants, Project impacts may include emissions of pollutants identified by the state and federal government as TACs or Hazardous Air Pollutants (HAPs), respectively. In San Diego County, Planning & Development Services (PDS) identifies an excess cancer risk level of 1 in 1 million or less for projects that do not implement T-BACT, and an excess cancer risk level of 10 in 1 million or less for projects that do implement T-BACT. The significance threshold for noncancer health effects is a health hazard index of one or less. These significance thresholds are consistent with the SDAPCD's Rule 1210 requirements for stationary sources. If a project has the potential to result in emissions of any TAC or HAP that result in a cancer risk of greater than 1 in 1 million without T-BACT, 10 in 1 million with T-BACT, or a health hazard index of one or more, the project would be deemed to have a potentially significant impact.

With regard to evaluating whether a project would have a significant impact on sensitive receptors, air quality regulators typically define sensitive receptors as residences, schools (Preschool-12th Grade), hospitals, resident care facilities, or day-care centers, or other facilities that may house individuals with health conditions that would be adversely impacted by changes in air quality. Any project that has the potential to directly impact a sensitive receptor located within three kilometers (1.86 miles) (USEPA 2005) and results in a health risk greater than the cancer risk significance thresholds discussed above would be deemed to have a potentially significant impact.

Section 6318 of the County Zoning Ordinance requires all commercial and industrial uses "be operated as not to emit matter causing unpleasant odors which are perceptible by the average person at or beyond any lot line of the lot containing said uses." SDAPCD Rule 51 (Public Nuisance) also prohibits emission of any material causing nuisance to a considerable number of persons or endangers the comfort, health or safety of any person. A project that proposes a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors.

Potential impacts associated with construction and operation of the Project were evaluated for significance based on these significance criteria.

3.2 Methodology

This section discusses (1) the sources and methodology for estimating the Proposed Project's air pollutant emissions to determine whether the project-related mass daily emissions exceed the SDAPCD thresholds and County SLTs; and (2) the air dispersion models utilized to determine if the modeled project-related pollutant concentrations exceed SDAPCD incremental thresholds (SDAPCD Rule 1200(d)) and NAAQS and CAAQS in order to assess the level of impact. The Proposed Project's air pollutant emissions result from construction (mobile equipment on site and off site); on-site operations for the duration of the Project (mobile equipment for excavations and process plant loading, stationary process plants, and fuel tanks); and off-site operations (haul or delivery trucks). Table 8 presents a summary of the emission sources and analysis methodologies. Figure 4 shows the operational emission sources and locations on- and off-site.

Table 8
EMISSION SOURCES AND ANALYSIS METHODOLOGIES

Activity or Process	Source of Emissions	Types of Emissions	Calculation Methodology
Mining	Drilling, Blasting, and Excavation	PM ₁₀ , PM _{2.5} , CO, NO _x , VOC, SO ₂ , and TACs	Emission factors from EPA (AP-42) and CARB (OFFROAD)
Aggregate Processing	Crushers, screens, radial stackers, conveyors	PM ₁₀ , PM _{2.5} , and TACs	Emission factors from EPA (AP-42) and SDAPCD Emission Inventory Program
Cement-Based Plant	Storage silos, conveyors, truck loading	PM ₁₀ , PM _{2.5} , and TACs	Emission factors from EPA (AP-42) and SDAPCD Emission Inventory Program
Hot Mix Asphalt Plant	Dryer, storage silos, truck loading, screen, conveyors	PM ₁₀ , PM _{2.5} , CO, NO _x , VOC, SO ₂ , and TACs	Emission factors, equipment vendor specification and emission warranties
Ready Mix Concrete Batch Plant	Storage silos, conveyors, truck loading	PM ₁₀ , PM _{2.5} , and TACs	Emission factors from EPA (AP-42) and SDAPCD Emission Inventory Program
Recycling Plant	Rock crushing, conveyors, storage piles	PM ₁₀ , PM _{2.5} , and TACs	Emission factors from EPA (AP-42) and SDAPCD Emission Inventory Program
Product Delivery, Employee Travel	Tailpipe emissions from trucks, delivery and employee vehicles	PM ₁₀ , PM _{2.5} , CO, NO _x , VOC, SO ₂ , and TACs	EMFAC2017 emission model
General material handling, truck loading/unloading, fuel storage	Unloading/loading of trucks, storage piles, travel on unpaved roads, refueling operations, truck idling	PM ₁₀ , PM _{2.5} , CO, NO _x , VOC, SO ₂ , and TACs	Emission factors from EPA (AP-42 and Tanks), CARB (OFFROAD), and SDAPCD Emission Inventory Program
Reclamation	Material handling, dozer operation, grading	PM ₁₀ , PM _{2.5} , CO, NO _x , VOC, and SO ₂	Emission factors from EPA (AP-42)

Table 9 identifies the types of processing plant and mobile equipment that may be used in Project operations.

Table 9
TYPICAL SITE EQUIPMENT

Equipment	Fuel	Uses
Mining Operations		
Dozers	Diesel	Stripping, reclamation and surge feed to shovels/loaders
Drill Rigs – Blast holes	Diesel	Drilling holes for placement of explosives
Bulk emulsion distribution truck	Diesel	Load bulk explosives into drill holes
Loaders – Front-end or Hydraulic shovels	Diesel	Uses to load haul trucks at quarry face
Excavator	Diesel	Breaking down oversized rocks
Haul trucks	Diesel	Haul raw aggregate material from quarry face to primary crushing area
Water trucks	Diesel	Water haul road and access roads
Rock Processing Plant Operations		
Primary Crusher	Electricity	Reducing oversized rocks to approximate size for conveyor transport
Pit Conveyor	Electricity	Conveying raw materials to raw material stockpiles at primary processing plant
Secondary cone crusher	Electricity	Reducing rock to products specification sizes
Dry Screens	Electricity	Sort rock to specified sizes
Wet Screens	Electricity	Wash and sort rock to specified sizes
Plant Conveyors	Electricity	Transfer material between processes
Stockpile Conveyors	Electricity	Stockpile finished aggregate for load-out
Overland and Underground Conveyors	Electricity	Convey aggregate material to secondary and ancillary processing and load-out areas
Load-out silos	Electricity	Load processed aggregate materials onto trucks for delivery off-site.
Front-end Loaders	Diesel	Load processed aggregate materials onto trucks for delivery off-site.
Water Truck	Diesel	Water stockpile area and access roads.
Hot-Mix Asphalt Plant	Electricity and Natural Gas	Used to manufacture asphaltic concrete from rock products produced on-site and from asphalt oil delivered and stored on-site.
Ready Mix Concrete Plant	Electricity	Manufacturing of ready-mix concrete using rock products produced on-site, and Portland cement and fly ash delivered and stored on-site.
Cement Treated-Base Plant	Electricity	Manufacturing of cement using rock/sand products produced on-site and mixed with cement powder. Water is added off-site.

Table 9 (cont.) TYPICAL SITE EQUIPMENT		
Equipment	Fuel	Uses
Mining Operations (cont.)		
Recycled Materials Plant	Electricity	Manufacturing of recycled products using asphalt and concrete delivered from off-site.
Portable Diesel Generator	Diesel	Provide power to temporary and/or portable processing plant.
Administrative Equipment		
Scales	Electricity	Weighing trucks for sales tonnage
Office	Electricity	Mine offices
Shop	Electricity	Equipment Maintenance Shops
Pickups/Mechanics Trucks	Gas/Diesel	Maintenance and administrative vehicles
Storage Tanks		
Above-ground Diesel Fuel Storage Tank (10,000 gallon capacity)	N/A	Storage of fuel for mobile and stationary equipment.
Fuel Pump	Electricity	Transfer of fuel from storage tank
Cement Storage Silos	N/A	Storage of cement
Fly Ash Storage Tank	N/A	Storage of fly ash
Above-ground Asphalt Oil Storage Tank	N/A	Storage of asphalt oil for use in manufacturing of asphaltic concrete.
Ready-Mix Concrete Storage Silo	N/A	Storage of cement.

3.2.1 Worst Case Daily Operational Emission Assumptions

Emissions are not constant for the life of the quarry. This is due to the fact that maximum production rates and emission factors change over time. Production rates start small and ramp up over time to maximum production. Emission factors (emissions per mile traveled or ton produced) typically become smaller as the result of enhanced emission controls and regulatory programs. Therefore, an analysis was conducted to identify the maximum (i.e., “worst case”) emissions.

Construction at the proposed Project could start as early as year 2020. Production could, therefore, begin as early as year 2021. It is anticipated that full production would not be reached until year 2024 or later. Note that construction would be completed before production begins. Therefore, for years 2021 and beyond, the emissions are only related to mining and aggregate production, which includes reclamation activities as reclamation occurs continuously along with the mining activities.

The Proposed Project has the potential to emit the following regulated air pollutants throughout the life of the quarry: (a) particulate matter less than 10 microns in aerodynamic diameter (PM₁₀); (b) particulate matter less than 2.5 microns in aerodynamic diameter (PM_{2.5}); (c) CO; (d) NO_x; (e) SO₂; (f) VOCs; (g) HAPs; and (h) greenhouse gases (GHGs), including CO₂, methane (CH₄), and nitrous oxide (N₂O). (Note: GHG emissions are presented in a separate Greenhouse Gas Analysis Report.)

Emissions of potential pollutants are calculated using emission unit process rates, emission factors, and pollution control efficiencies (if applicable). The emission factors used are based on standard emission factors widely used in impact assessments throughout the U.S. and accepted by the USEPA, CARB, and SDAPCD. The emission factors are from a variety of sources including manufacturers' specifications (which will become permit conditions), regulatory emission limits, and the most common being the USEPA Publication AP-42, *Compilation of Air Pollutant Emission Factors, Vol. I: Stationary, Point, and Area Sources*. This publication is continually updated and revised by the USEPA to yield the most accurate emission factors feasible and is used by regulatory agencies in the U.S. to estimate emissions from proposed and existing sources. AP-42 defines an emission factor as "a representative value (emphasis in the original) that attempts to relate the quantity of a pollutant released to the atmosphere with an activity associated with the release of the pollutant" (USEPA 1995).

The emission factors are determined using: (a) emission factors and methods from the SDAPCD Emission Inventory Program; (b) the latest version of the AP-42; (c) emission limitations and standards; (d) material balances; (e) USEPA Tanks Program 4.09d; (f) emission rates from OFFROAD for heavy-duty equipment; and (g) EMFAC2017 motor vehicle emission factors programs.

Establishing an emission factor for a source type is only one part of the ambient AQIA. Additional assumptions are made, including assuming that the equipment operates at maximum capacity continuously for the life of the quarry to help ensure that the assessment represents the maximum ambient impact. The maximum capacity assumption is coupled with the worst-case meteorological period out of three years of meteorological data and the highest background ambient concentrations out of three years of data. Finally, the maximum impact point anywhere beyond the facility boundary is assessed that is typically found at the property or fence line. This combination of maximum load, worst-case meteorology, sixth-highest background, and maximum impact point yields an extremely conservative estimate of the ambient impact of the facility. Accordingly, even if the actual emission factor for an emitting device varies from the published value, such variability would not change the overall conclusions of the assessment because the device has been assessed at the maximum potential emissions.

The methodology used to estimate emissions from the emission units at the peak daily and average annual levels during the life of the quarry mine is presented in the attached emission calculations spreadsheets (see Appendix A). Each sheet contains the emission units pertaining to a general operation at the quarry. The calculation of process rates, determination of emission factors, and application of control efficiencies are discussed in the footnotes for each emission unit to fully explain how uncontrolled and controlled potential emissions are calculated.

3.2.2 Construction Emissions – Phase 1 Site Development Assumptions

Phase 1 Site Development activities are assumed to occur in two separate stages – a and b. Because the specific tasks to be completed daily during each stage will not be exactly comparable, the worst-case construction day for each stage has been chosen for the purpose of this analysis, including the two major stages: (a) site grading and utility lines installations, and (b) vertical building construction activities.

Phase 1a would involve the mass grading and utility installation at the aggregate processing area of the Project site. Once the mass grading and utility backbone infrastructure construction efforts are completed, the installations of the aggregate processing equipment, including the CTB, HMA, concrete batch plant, and fuel tank; and other vertical construction activities, such as the office buildings, shops, pond, water tank, etc. could begin during Phase 1b. Phase 1 is anticipated to take one year to complete.

Construction emissions of criteria pollutants would be produced by off-road construction-type equipment. Emission estimates have been prepared for the construction activities to evaluate the maximum daily and annual emissions. Beginning January 1, 2014, CARB requires all off-road equipment greater than 25 hp to comply with the CARB Off-road Diesel Vehicle Regulations. Based on these regulations, it is estimated that the construction equipment used during Phase 1 will meet a Tier 2 engine standard. All off-road construction equipment is required to meet the minimum application of USEPA Tier 2 engines, to install CARB-approved diesel particulate filter devices, and to apply best management practices to control and minimize emissions. These were calculated for the purpose of comparing with the County's emission thresholds, as well as the air dispersion modeling for this AQIA. Emission estimates were based on equipment ratings and load factors from the CARB's OFFROAD Model and emission factors from the Tier 2 emission standards. Diesel truck and worker vehicle emission rates were obtained from the EMFAC2017 model. An average two-way trip length of 40 miles is assumed. The emission calculations were based on the assumption that equipment would be operating on site up to eight hours per day, five days per week. The analysis used in this document is consistent with CARB guidance and methodology.

Potential air toxic emissions were not explicitly calculated for construction, except for diesel exhaust particulate and crystalline silica emissions, as construction occurs over a limited duration. Construction activities are of the same type but are of a much smaller magnitude than operational emissions, and construction emissions occur in the same area as operational emissions. Therefore, the air toxics impact of construction emissions were assumed to be much less than during routine operations and were not quantitatively analyzed.

3.2.3 Operational Emissions – Phase 2, Phase 3, and Phase 4 Assumptions

Operational emissions were calculated for both criteria and toxic air pollutants. Emissions are not constant for the life of the quarry because production rates and emission factors change over time. Production rates start small and ramp up over time to maximum production. Emission factors (emissions per mile traveled, gallon of fuel burned, or ton produced) typically become smaller with time as the result of required enhanced emission controls and regulatory programs.

3.2.3.1 Quarry and Aggregate Processing Facility Process

The quantity of emissions generated would depend on how much aggregate would be mined, the equipment used, the mine layout, and how far vehicles would travel to transport aggregate. This analysis assumes maximum allowable quantities would be removed and is based on the Project Applicant's estimated emissions for the equipment to be used.

To determine the worst-case emissions, the year 2021 emission factors were estimated to assume worst-case emissions for each year between 2021 and 2042 for Phase 2, and the year 2043 emission factors were estimated to assume worst-case emissions for each year between 2043 and 2110 for Phase 3. The emission calculations are based on the production rate, which applies to the stationary on-site equipment; emission factors for on-site equipment; emission factors and standards for off-road engines, which applies to the off-road equipment on site such as loaders and haul trucks; and EMFAC2017 for on-road vehicle engines. The on-site emissions estimates include emissions from on-road vehicles while on site (i.e., delivery trucks that bring materials to the Project site and delivery trucks that take aggregate and other materials away from the Project site).

Emission factors for on-site stationary production equipment were assumed constant over time. EMFAC2017 emission factors for 2021 and 2043 calendar years were assumed to be the worst-case emission rates for on-road vehicle emissions. EMFAC 2017 accounts for more stringent emission limits required by the CARB over time, newer vehicle engines, and USEPA regulations requiring diesel fuel to have no more than 15 ppm sulfur content (termed ultra-low sulfur diesel) beginning in 2007.

For off-road equipment engines, the CARB's off-road emission regulations promulgated in the California Code of Regulations (CCR) Title 13 Section 2423, Tables 1a and 1b of the CCR were used. Under Phase 2, all off-road construction equipment is required to meet the minimum application of USEPA Tier 2 engines, and install CARB-approved diesel particulate filter devices to control and minimize emissions. Under Phases 3 and 4, all off-road construction equipment is required to meet the minimum application of USEPA Tier 4 engines, and install CARB-approved diesel particulate filter devices to control and minimize emissions. Therefore, the off-road equipment emission factors were estimated to assume worst-case Tier 2 emissions for each year between 2021 and 2043 for Phase 2, and Tier 4 emissions between 2043 and 2110 for Phase 3, as well as Phase 4 – IDEFO and reclamation activities.

3.2.3.2 Delivery Trucks and Employee Vehicle Trips

Vehicle emissions during the Proposed Project's operation would be the result of vehicle emissions from aggregate product delivery, asphalt oil delivery, concrete delivery, fuel delivery, other heavy-duty trucks and employee vehicle trips. Vehicle emissions were calculated using the idling, driving, brake wear, and tire wear emission factors from EMFAC2017. For purposes of this analysis the two relevant vehicle classes are: light duty truck (gasoline) and T7 single construction (diesel). For Sand Import, Ready-Mix, and Aggregate related activities, all trucks are assumed to be T7 single construction (diesel). Employee trips are assumed to be light duty truck. The EMFAC emissions model does not include entrained dust that is emitted as vehicles travel on local streets, freeways, and other roads. To calculate entrained dust emissions, the USEPA's AP-42, Section 13.2.1 methodology for entrained dust emissions (USEPA 2011) was used.

3.2.3.3 *Bulldozing Overburden and Wind Erosions*

Emission rates for materials handling (including excavation, loading/unloading of material, and soil transports) and wind erosion of exposed active areas were obtained from the latest version of the AP-42 Section 11.9 (Western Surface Mining) Final Section (USEPA July 1998) and/or the SDAPCD Emission Inventory Program (SDAPCD 1999). The emission rates depend on the amount of materials being handled (in tons), the moisture content of the materials (in percent) and the silt content (in percent). For the Project, it was assumed that excavated dirt had the moisture content of 7.9 percent and silt content of 6.9 percent.

3.2.3.4 *Blasting*

The Proposed Project is capable of performing 50 blasts/year (i.e., one blast per week). However, the actual annual process rates for blasting would vary from year to year depending on mining needs. The annual quantity of blasts per year anticipated at the Project site is determined by the mine plan of operations. The maximum daily process rate for blasting during any year in the life of the mine is assumed to be one blast per day, the maximum amount of blasts that are possible in one day at the site. The hourly process rate is equal to one blast per hour, the maximum blasts possible in one hour. The annual process rate for the amount of ammonium nitrate fertilizer and fuel oil mixture (ANFO) used for blasting is calculated by employing the ANFO usage rate, 0.3125 ton of ANFO/drill hole, and multiplying it by the number of holes drilled/year. The maximum daily and hourly process rates are calculated similarly based on the maximum daily and hourly drilling rates.

Emission Factor

Uncontrolled PM, PM₁₀, and PM_{2.5} emissions from blasting are calculated using the emission factor expression from AP-42, Table 11.9-1 (10/98) for blasting at western surface coal mines (Equation 1):

$$EF = (k) * (0.000014) * (A)^{1.5}$$

where:

EF = emission factor (lb/blast)

k = scaling factor (0.52 for PM₁₀, 0.03 for PM_{2.5})

A = horizontal area of the blast (10,800 ft² maximum, calculated by multiplying the average number of holes drilled per blast (90 holes) by the approximate spacing (10 ft by 12 ft) of the drilling pattern.

Uncontrolled CO, NO_x, and SO₂ emissions from blasting are calculated using the emission factors from AP-42, Table 13.3-1 (02/80) for the detonation of ANFO.

Uncontrolled CO₂, CH₄, and N₂O emissions are calculated using the emission factors of 73.96 kg/MMBtu, 3*10⁻³ kg/MMBtu, and 6*10⁻⁴ kg/MMBtu, respectively, from 40 CFR 98, Tables C-1 and C-2 for distillate fuel oil No. 2. A diesel fuel oil to ammonium nitrate ratio of

9 percent and a diesel heating value of 19,300 Btu/pound of diesel fuel were used to express the CO₂, CH₄, and N₂O emission factors in terms of lbs/ton of ANFO.

The gaseous emission factors for blasting are presented in Table 10.

Table 10 GASEOUS EMISSION FACTORS FOR BLASTING	
Regulated Pollutant	Emission Factor (lbs/tons of ANFO)
CO	67.00
NO _x	17.00
SO ₂	2.00
CO ₂	566.00
CH ₄	0.02
N ₂ O	0.005

Control Efficiency

Control Efficiency estimated to be between 63% and 88% with the use of drill rotoclone or similar dust shroud device during the hole drillings. On-site watering also helps to control fugitive dust emissions during blasting. Besides standard California Occupational Safety and Health Administration operating practices for explosive material, other pollution control methods cannot be implemented during blasting.

3.2.3.5 Drilling

The annual, maximum daily, and hourly process rates for drilling blasting holes are calculated based on the number of blasts that are performed either annually, daily, and hourly and a drilling rate of 90 holes/blast.

Emission Factor

Uncontrolled PM₁₀ and PM_{2.5} emissions from drilling are calculated using the emission factor of 1.3 lb/hole, from AP-42, Table 11.9-4 (USEPA 1998) for total suspended particulates (TSP) from drilling of overburden rocks at western surface coal mines. The TSP emission factor is assumed to be applicable for PM. PM₁₀ and PM_{2.5} emissions from drilling are not listed in Table 11.9-4. PM₁₀ emissions are assumed equal to 43 percent of PM emissions based on the ratio of PM₁₀ to PM emissions for tertiary crushing of high moisture ore in AP-42, Table 11.24-2 (USEPA 08/82).

PM_{2.5} emissions are estimated to be 18.5 percent of PM₁₀ emissions based on the ratio of PM_{2.5} to PM₁₀ controlled emissions for tertiary crushing in AP-42, Table 11.19.2-2 (USEPA 08/04).

Control Efficiency

Potential fugitive particulate emissions from drilling may be controlled by the addition of water and by a dust collector to inhibit the escape of particulate emissions from the top of the hole during the drilling process. When calculating worst-case potential emissions from drilling, approximately 75 percent emission controls were applied. Based on the information from AP-42 5th Edition, Section 11.9, Table 11.9-1, control efficiency was estimated to be between 63 percent and 88 percent. A midpoint of range 75 percent was used.

3.2.3.6 Storage Piles

Aggregate will be transported from the quarry via one to two applicant-owned trucks and dumped into the primary surgepile. After the rocks are crushed via the Jaw Crusher, up to eight types of aggregate will be stockpiled as shown in Figure 4. Conveyors will move the materials from the stockpiles into the plant feeders. For the purpose of the analysis, the hourly, daily, and annual process rates for unloading rock materials to the storage piles are based on the mining rates. The hourly and maximum daily process rates are based on the maximum capacity of the equipment in the primary crushing plant (800 tons/hour) and continuous operation (800 tons/hour * 10 hours/day = 8,000 tons per day [tpd]).

Emission Factor

The uncontrolled PM₁₀ emission factor of 6.5 pounds per acre per day was taken from the SDAPCD Engineering Emissions Inventory for Open Material Storage Piles (SDAPCD 1999). The areas of each storage pile were estimated based on the size of the storage piles space provided at the Otay Hills aggregate processing plant in Figure 4.

Control Efficiency

Emissions of particulate matter resulting from the unloading of rocks from conveyors to the storage piles would be controlled by water sprays. Based on the AP-42, Section 11.19.1, spray systems at transfer points and material handling operations are estimated to reduce emissions by 90 percent. For unprotected transfer points, such as loading the rocks to the dump hopper via loader, the Project design estimates a mean control efficiency value of 90 percent would be able to be achieved with the use of water sprays.

3.2.3.7 Rock Crushing

The annual process rate for the primary crusher is based on the maximum capacity of the crusher processing equipment as limited on an hourly basis (up to 800 tons/hour) and continuous operation (up to 800 tons/hour * 2,000 hour/year = 1,600,000 tons/year). The hourly and maximum daily process rates are based on the maximum capacity of the equipment in the primary crushing plant (800 tons/hour) and continuous operation (800 tons/hour * 10 hours/day = 8,000 tpd).

Emission Factor

Uncontrolled PM₁₀ emissions from the primary Jaw Crusher and cone crusher are calculated using the emission factors of 0.0007 lb/ton and 0.0024 lb/ton, respectively, from AP-42, Table 11.24-2 (USEPA 08/82) for primary crushing. Uncontrolled PM_{2.5} emissions are estimated to be 18.5 percent of PM₁₀ emissions based on the ratio of PM_{2.5} to PM₁₀ controlled emissions for tertiary crushing in AP-42, Table 11.19.2-2 (08/04).

Control Efficiency

Emissions of particulate matter resulting from primary crushing are controlled indirectly by the jaw crushing area water spraying and baghouse filter system for the cone crushers. The primary crusher is designed in a conical shape such that crushing and particulate matter generation occurs near the bottom of the crusher and is emitted through the exit of the crusher. This point is controlled by the crushing area baghouse filter system. The baghouse filter system has a 95 percent capture efficiency (NIOSH 2012).

3.2.3.8 Material Transfers via the Screens, Hoppers, and Conveyor Belts System

The hourly, daily, and annual process rates for the material transfers from the primary crusher to the coarse rock stockpile and from the stockpile to the aggregate mix via conveyor belt systems are equal to the hourly, daily, and annual process rates for the primary crusher. The hourly and maximum daily process rates are based on the maximum capacity of the equipment in the primary crushing plant (800 tons/hour) and continuous operation (800 tons/hour * 10 hours/day = 8,000 tpd).

Emission Factor

The emission factors for screens, hoppers, and conveyors with water spray at transfer points are calculated using emission factors from the SDAPCD Engineering Emissions Inventory for Mineral Products Industry (SDAPCD 1999).

Control Efficiency

Emissions of particulate matter resulting from material transfer via screens, hopper, and conveyor belt systems would be controlled by water sprays. Based on AP-42, Section 11.19.1, spray systems at transfer points and material handling operations are estimated to reduce emissions by 50 to 75 percent.

3.2.3.9 Cement-treated Base Plant

Aggregate would be transported from the aggregate plant via one to two applicant-owned loaders. Up to four types of aggregate sizes would be stockpiled. One wheel loader would move the materials from the stockpiles into the CTB plant hoppers. Cement powder and water are mixed together with the aggregate in the pug mill to create the CTB materials. After these materials are mixed together, CTB materials are loaded into the haul trucks. For the purpose of

the analysis, the hourly, daily, and annual process rates for the CTB materials are based on the CTB processing rates of 400 tons per hour (tph), 4,000 tpd, and 320,000 tpy.

Emission Factor

Uncontrolled PM₁₀ and PM_{2.5} emission factors for the CTB plant were obtained from the AP-42, Section 11.12 Concrete Batching (USEPA 2006).

Control Efficiency

Emissions of particulate matter resulting from the cement silo would be controlled by baghouse filter system. Because a controlled emission factor is not provided in AP-42 Section 11.12, a control factor of 99 percent from baghouse was applied to the uncontrolled emission factor (NIOSH 2012). Other BACT options may include but not limited to the following measures obtained from the SDAPCD's New Sources Review requirements for BACT Guidance Document (SDAPCD 2011):

- Enclosed aggregate and cement weigh hoppers, screw conveyors and concrete batcher vented to a 99 percent efficient fabric filter baghouse.
- Flexible shroud which seals to the truck along with a water sprinkler system used when dry products are mixed.
- Shroud vented to 99 percent efficient fabric filter baghouse
- Water spray system for sand and aggregate transfer points.
- Sand and aggregate storage piles adequately wet to maintain a minimum moisture content of 4 percent by weight.
- Open areas maintained adequately wet to prevent fugitive emissions in excess of 20 percent opacity or Ringlemann 1.

3.2.3.10 Hot Mix Asphalt Plant

The HMA plant is comprised of the following pollution sources: the dryer, burner-blower, exhaust fan, dust collection system, asphalt cement heating and storage, mined aggregate materials, and recycled asphalt paving (RAP) materials. Asphalt is manufactured by mixing asphalt oil with well-dried heated rock.

The Applicant proposes to construct and operate an asphalt facility on the site. The proposed plant would be a HMA facility utilizing new technology equipment. The plant would be a 500 tph counter-flow drum mix equipment that would include the following: one recycle bin, two screens, two feed conveyors, one burner, one dryer drum, one slat conveyor, three silos, one control house, one motor control center, two asphalt oil storage tanks, one hot oil heater, and one dust collector. The total height of the facility would be approximately 75 feet. The silos, which look like grain silos on a farm, would be the tallest structures at the facility. The tall elevation is

needed to allow for a surge of material to be stored and for gravity to discharge it to the trucks. The next highest structure would be the baghouse and its ducting, which typically stands 45 feet high.

The asphalt process starts when selected gradations of aggregates are placed onto a conveyor belt. The materials collect on a conveyor and run through a single screen. This screen is in place to ensure that no large and/or foreign objects enter the process. Once through the screen, another conveyor transfers the materials to the drier drum, where they are then heated. Rotating drum technology would be used, which would result in decreased air emissions. With rotating drum technology, aggregates travel in the opposite direction as the heating flame. Older style parallel flow drums operated where the burner (heat source) and the aggregates were introduced at the same point, and the asphalt oil was injected part way through. The direct heat (flame) had far more contact with the oil and RAP, and this contact would create visible “blue smoke” emissions (a visible and odorous source historically associated with asphalt operations). With the counterflow drums, aggregates are first heated, then moved to an isolated zone where oil and RAP are introduced. This lack of direct heat contact reduces the amount of unwanted emissions.

RAP is introduced through the same process as virgin aggregates, except that it typically enters the drum through a midway point for mixing. Once all these items are adequately heated and mixed, at around 300 degrees, they are discharged onto a conveyor that then places them in the heated storage silos. Trucks stage under the silos and are filled via gravity from the silos above. A scale under the truck ensures that the requested load is delivered. The baghouse effectively pulls all the air through the drier drum and filters out the fine PM. This fine PM is then metered back into the system for use in the asphalt product. Other new systems include a blue smoke recovery unit that ducts the gasses either: (1) back from the silo loading and other transfer points to the burner, where it is then heated and destroyed; or (2) to a cartridge filter. This system uses a fan that creates a vacuum and then injects the flow into the burner’s air stream or to a cartridge filter. Also at the truck load-out area, a negative draft system (a fan) is used to capture any vapors that occur during dumping. These vapors are then condensed, and the resulting product is burnt through the system or sent through a cartridge filter.

Asphalt oil would be delivered on an as-needed basis. Asphalt oil is typically delivered by tanker trailers to the facility. The unloading of this product happens within the tanks’ containment area through hoses and heated pumps. Unlike other oils, asphalt oil does not have the ability to leach or travel. Once it is at ambient temperature, it solidifies.

Bio-diesel, soy oil, or a similar vegetable-based material would be used as the release agent for asphalt delivery trucks. This chemical allows the asphalt to release from the truck beds without sticking and helps prevent lumping. These materials would be sprayed into the truck beds prior to loading and would not require removal or disposal (they work similarly to putting butter on a cookie sheet). It would be received in totes (i.e., barrels) and stored near the application area.

The HMA would be loaded out via a silo surge system. This process works by positioning a truck under the load out area and placing the required mix amount into the truck bed via gravity feed. There would be no chemicals or loss of material during this procedure. Once full, the truck would drive out of the loading bay and proceeds to the job site.

Emission Factor

The process of loading and drying rock prior to mixing with the oil creates dust. To heat the rock and oil, natural gas is burned. Upon mixing asphaltic oil with the dry, hot rock, some of the oil vaporizes producing “blue smoke.” The combustion of the gaseous fuels generates NO_x, VOC, CO, SO_x, PM₁₀, PM_{2.5}, and various TACs. Asphalt oils contain sulfur compounds and those oil with greater than 1% sulfur are accompanied by a gas with H₂S properties. Emissions from the asphalt plant were calculated using USEPA AP-42 emission factors (Section 11.1–Hot Mix Asphalt and Section 13.2.4–Aggregate Handling and Storage Piles). Blue smoke also contains small quantities of NO_x, VOC, H₂S, and CO. Blue smoke is actually tiny oil droplets that make up the blue haze that is typically associated with the production and handling of hot mix asphalt. It is the blue haze that carries much of the characteristic asphalt odor. Blue smoke is typically released from hot mix asphalt during handling at transfer points, silo filling and truck loading. Dust from the drying process would be controlled by a baghouse. The hourly, daily, and annual process rates for the HMA plant are based on the HMA processing rates of 500 tph, 5,000 tpd, and 600,000 tpy.

Control Efficiency

The proposed facility would be subject to the New Source Review permit system, which is designed to produce a net air quality improvement using BACT. Because the Proposed Project’s emissions of VOC, NO_x, PM₁₀, and CO are estimated to exceed SDAPCD Rule 10 pounds per day at the highest permitted production rate, the Applicant has proposed to meet BACT requirements for the HMA processes. Methods to be employed include the following:

- Reducing PM₁₀ emissions during aggregate transfer by using a conveyor system;
- Reducing PM₁₀ emissions by using a baghouse for the aggregate drying operation (capable of a 99 percent removal);
- Reducing NO_x emissions from dryer by using a low NO_x burner to heat the aggregate; and
- Using a blue smoke control filter pack to control H₂S, PM₁₀ and VOC emissions at the loadout silos.

Re-circulating the flue gasses into the combustion chamber could reduce NO_x, VOC, and CO. Because controlled emission factor is not provided in AP-42 Section 11.12, a control factor of 90 percent from a blue-smoke filter system was applied to the uncontrolled emission factor. Hot mix asphalt product must be transferred between various pieces of process equipment as well as loaded into on-highway haul trucks. Trucks entering and leaving the loading areas provide opportunity for minimal amounts of blue smoke to escape, especially as full trucks exit the loading area with hot asphalt. It is for this reason that most air districts recognize that no system can be 100 percent efficient. Therefore, it has become customary to assign 90 percent capture efficiency. Field observations of systems engineered by Blue Smoke Control indicate that a well-designed blue smoke capture system can operate at 90 percent capture efficiency (Sutton 2002).

3.2.3.11 Concrete Batch Plant

The Redi-Mix concrete batch plant would consist of a feed hopper, feed conveyor, batching plant, cement storage silos, and an operations building. A conveyor would feed the required aggregate into the aggregate storage bins. The cement and aggregates would then be weighed and added to the mixer truck with water and additives. Trucks would be loaded under the batcher in an area that would be ducted to a baghouse; this process controls dust during loading. Once loaded, the trucks would deliver concrete to various locations. The highest point for this plant would be the 75-foot-high cement silos.

Cement and cement supplement (fly ash) powders are used in the processing of concrete. These two materials would be brought on site via powder trailers. Once on site, these materials would be unloaded into dry silos by means of blowers that effectively would pump the materials through 4-inch lines. The entire transfer process would be fully enclosed; therefore, any dry material spillage is unlikely. For example, fly ash (in powder-like form) is transferred from the fly ash silo via enclosed screw conveyors to an enclosed conditioning system (pug mill) where water is added to create conditioned ash (in sludge cake-like form). The conditioned ash is then gravity transferred directly into a concrete batch plant and/or cement mixing truck. Similar process is used for cement powder in a separate cement silo. Once in the silos, the material would be transferred to the concrete batch plant through similar piping.

Cement additives are necessary for creating a number of useful reactions (e.g., delaying concrete setting) within the concrete. These additives would be stored on site in contained areas. When more additives are required, new totes would be delivered, or a tanker truck from the vendor would come and fill up the tanks. The entire process of filling these tanks would occur in a fully contained area. Once in the tanks, the additives would be automatically metered into the plant via a computerized batch control system.

Once a concrete mix design is selected in the computer, it would be added to the truck via a conveyor and boot that transfers the materials into the mixer trucks. This would be a direct transfer process and no materials would be spilled outside of the truck.

Total production for this facility would be determined by market demand. For the purpose of the analysis, the hourly, daily, and annual process rates for the concrete batch plant are based on the processing rates of 500 tph, 5,000 tpd, and 500,000 tpy.

Emission Factor

Uncontrolled PM₁₀ and PM_{2.5} emission factors for the concrete batch plant were obtained from the AP-42, Section 11.12 Concrete Batching (USEPA 2006).

Control Efficiency

Emissions of particulate matter resulting from the plant would be controlled by a baghouse filter system. Because a controlled emission factor is not provided in AP-42 Section 11.12, a control factor of 99 percent from the baghouse was applied to the uncontrolled emission factor

(NIOSH 2012). Other BACT options may include but not limited to the measures listed in Section 1.2.3.5, Applicant Design Features, which was obtained from the SDAPCD's New Sources Review requirements for BACT Guidance Document (SDAPCD 2011).

3.2.3.12 *Recycled Material*

RAP would be received at the processing facility. It would be ground up and reused in asphalt production. Similarly, some concrete would be ground up and used for recycled concrete slurry mix. All the remaining mixed concrete and asphalt would be ground together and sold as envirobase, (a completely recycled materials product) from the quarry site. The emission factors for truck unloading of fragmented stone to the feeder was obtained from the USEPA AP-42 5th Edition, Table 11.19.2-2. Final Section 11.19.2 updated August 2004. The PM₁₀ and PM_{2.5} emission factors for crushers, screens, hoppers, and conveyors are based on AP-42 5th Edition, Final Section 11.19.2 updated August 2004.

3.2.3.13 *Heavy Duty Equipment Operations*

On-site mobile equipment would include one bulldozer, one rock drill rig, five loaders, one road grader, two off-road haul trucks, three pick-up trucks, one service truck, one fuel/lube truck, and one water truck that would water roads and work areas for dust suppression. Exhaust emissions from the heavy-duty equipment were calculated using emission factors from the CARB OFFROAD2011 model, and emissions from on-road vehicles were calculated using emission factors from the CARB EMFAC2017 on-road mobile source emissions model.

3.2.3.14 *Unpaved Roads*

Emission rates for fugitive dust resulting from vehicle travel on unpaved roads were obtained from the latest version of the AP-42 5th Edition, Section 13.2.2 Unpaved Roads, revised November 2006. The emission rates from a vehicle depend on the vehicle's weight and the silt loading of the road. The SDAPCD default silt loading value of 13.6 grams per cubic meter was applied to this analysis. The vehicle weights are based on the average weight of unloaded and loaded weights for haul trucks and water trucks. The other vehicle weights are based on the estimated Gross Mean Vehicle Weight provided by the manufacturers. Please see Appendix A for details of these emission rate calculations.

3.2.3.15 *Fuel Storage Tank*

One diesel fuel storage tank is proposed at the Project site that would have the potential to emit VOC and HAP emissions. The annual, daily, and hourly process rates for the tanks are equal to the operating hours of the tank, or continuous operation (i.e. 8,760 hours/year, 24 hours/day, 1 hour/hour).

Emission Factor

Uncontrolled VOC and HAP emissions from the tanks were calculated using the USEPA's TANKS program for vertical fixed roof tanks. The following information was used in the

program to calculate the emissions from the tanks. The other tank parameters needed to execute the USEPA TANKS program are:

- a. The tanks are not heated;
- b. The paint characteristics include white color paint and good paint conditions;
- c. The tank roofs are flat (cone roof type with a height of 0 ft and slope of 0 ft/ft);
- d. The vacuum and pressure settings are 0 psig; and
- e. The meteorological data corresponds to the Donovan meteorological monitoring station;

The USEPA TANKS output files showing the annual emission from the tanks are presented in Appendix B. HAP emissions includes hexane, benzene, toluene, ethylbenzene, 1,2,4-trimethylbenzene, and xylene. Hourly and daily emission rates were estimated from the annual emission values of the USEPA TANKS program by assuming continuous operation (24 hours/day and 8,760 hours/year).

Control Efficiency

Besides good operating practices, other pollution control methods are not implemented on the tanks.

3.2.3.16 On-site Emissions – Toxics

For diesel PM emissions from fuel combustion, it was assumed that all PM₁₀ from diesel-fueled equipment was diesel exhaust. Emissions from fugitive sources were estimated for the following TACs: arsenic, beryllium, cadmium, crystalline silica, hexavalent chromium, chromium, copper, lead manganese, mercury, nickel, selenium, and zinc. TAC concentrations in fugitive sources are based on data available from the SDAPCD Engineering Emissions Inventory Program (SDAPCD 1999). The concentrations are multiplied by the fugitive PM₁₀ emissions estimated following the methods described previously for each source or activity.

3.2.4 Air Dispersion Modeling for Criteria Pollutants

The models selected for the air quality assessment are discussed below.

3.2.4.1 Model Selection

The air dispersion modeling was performed for criteria pollutants using the USEPA AERMOD dispersion model, version 18081, based on the “Guideline on Air Quality Models” (40 Code of Federal Register [CFR], Part 51, Appendix W; April 15, 2003). AERMOD is a USEPA-, CARB- and SDAPCD-approved dispersion model for stationary and mobile sources. The AERMOD model is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources. The AERMOD model requires hourly meteorological data consisting of wind

vector, wind speed, temperature, stability class, and mixing height. The selection of the AERMOD model is well-suited given (1) the general acceptance by the modeling community and regulatory agencies of its ability to provide reasonable results for large industrial complexes with multiple emission sources; (2) a consideration of the availability of annual sets of hourly meteorological data for use by AERMOD; and (3) the ability of the model to handle the various physical characteristics of the Proposed Project's emission sources.

The modeling was conducted for PM₁₀, PM_{2.5}, CO, and potential air toxics emissions (such as arsenic, beryllium, cadmium, hexavalent chromium, chromium, copper, lead, manganese, mercury, nickel, and selenium) for the Phases 2 and 3 operation activities (combined because of similar emissions). O₃ is a regional pollutant that is not modeled on a source-specific basis.

3.2.4.2 Meteorological Data

The three-year (2015 through 2017) surface and upper air meteorological data collected at the Otay Mesa-Donovan monitoring station were determined to be the most representative of the site conditions because of its location and elevation (DeSiena, pers. comm., 2015).

The data from the Donovan station was preprocessed by the SDAPCD with the AERMET meteorological processor. The AERMET processor not only uses the meteorological data but also land use and other surface parameters representative of the data collection site. In the AERMET processor, the model parameters were adjusted to be consistent with San Diego County seasons and local surface conditions (see Appendix C).

3.2.5 Background Ambient Air Concentrations

The data in Table 4 were used to develop an estimate of the background concentrations of pollutants in the Proposed Project area. The most local available data from the Chula Vista Monitoring Station were used when available. In general, to determine ambient air quality, the sixth-high value was used for short-term averages, and the annual value was used for long-term averages. The sixth-high value is reported by the CARB and is roughly equivalent to the 98th percentile value.

The maximum value is not used to represent background air quality because the maximum value is greatly influenced by atypical local conditions. This is clear from the data in Table 4, where there is a large year-to-year variability among the first-high values, but relatively less variability among the sixth-high values. The USEPA recognized this issue when it proposed the existing air quality standard for PM_{2.5}, using the 98th percentile for the 24-hour average standard. The reasoning offered by the USEPA was that the 98th percentile is more protective of public health (as it is more directly related to ambient particulate concentrations), is more stable, and is not overly influenced by isolated events or significant seasonal fluctuations (Federal Register, Volume 62, page 38652, July 18, 1997).

3.2.6 AERMOD Modeling Scenarios and Emissions

The Proposed Project mining plan is divided into two phases, Phases 2 and 3. Emissions do not significantly change among the two phases of operational activities. AERMOD and the processed 2015-2017 meteorological data were used to evaluate the impacts of operational activities. The year 2020 emissions are the largest for all pollutants, and thus were used in the modeling analysis. Assuming that emissions are constant for the life of the quarry after year 2020 would over-estimate emissions, because it is expected that over time, emissions would consistently decrease due to the implementation of more stringent emission standards. Emission rates used in the air dispersion modeling were estimated using the peak annual emission estimates divided by 365 days per year and 24 hours per day to conservatively assume a constant maximum exposure.

The AERMOD modeling parameters used for the assessment are shown in detail in Appendix D.

3.2.7 Blasting Modeling

The OBODM Model (USEPA Version 1.3.21) was used to assess ambient air quality impacts of gaseous pollutants from blasting. PM emissions from blasting were included in AERMOD modeling and, thus, are not included in OBODM modeling.

Blasting at the Project site would be conducted using an ANFO mixture. The USEPA's emission factors for ANFO explosives in AP-42, Chapter 13.3 (February 1980, Reformatted in January 1995) were used in estimating the blasting emissions. The Proposed Project's blasting activities were assumed to occur approximately 50 times per year (i.e., once a week for 50 weeks per year), and each blast would use a maximum of five tons of ANFO.

The OBODM Model was run for a meteorological condition of neutral stability and 5 meters per second wind speed. This neutral stability value was chosen because blasting would occur during the day, and atmospheric stability is more stable during the day. The OBODM Model has been run for various combinations of conditions, and the neutral, 5-meters-per-second wind condition yields the largest OBODM-modeled concentrations.

The OBODM modeling parameters used for the assessment are shown in detail in Appendix E.

3.2.8 Carbon Monoxide Hot Spot Modeling

On-road vehicles accessing and departing the site at the Otay Mesa Road at Alta Road intersection could create a local air quality impact at congested intersections. The potential for such an impact was evaluated with the CALINE4 Model, which accounts for the vehicles' turning movements at the intersections. The CALINE4 Model runs and input parameters are shown in Appendix F. CALINE4 was run for CO by using traffic conditions of calendar year 2020 when the maximum traffic would occur. CALINE4 calculates a one-hour average concentration, assuming worst-case hypothetical meteorology. The one-hour concentration was converted to an eight-hour concentration by multiplying the one-hour concentration times 0.7. For this report, the background CO concentrations for future years were obtained from the Chula Vista Monitoring Station, which is a more conservative approach.

The CALINE4 modeling parameters used for the assessment are shown in detail in Appendix F.

3.2.9 Health Risk Assessment

An HRA was performed for on-site operation emissions and offsite diesel truck travel up to one mile away. Construction activities would only occur for about one year. It was assumed that the chronic and cancer risks due to construction emissions of diesel PM would be minimal compared with risks from emissions during operations. Therefore, diesel exhaust particulate emissions associated with construction were not added to the other impacts in the HRA analysis.

The CARB-approved Hotspots Analysis and Reporting Program (HARP) Model (Version 2) was used to evaluate the potential health effects from TACs. HARP is a tool that assists with the programmatic requirements of the Air Toxics Hotspots Program. HARP is a single integrated software package that can be used by air quality management districts, facility operators, and other parties to promote statewide consistency, efficiency, and cost-effective development of facility and emission inventories and HRAs. HARP can also be used for other types of HRAs, including facility permitting.

3.2.10 HARP Modeling

Cancer, acute, and chronic health risks due to exposure to TACs were evaluated following the latest guidance outlined in the *Air Toxics Hot Spots Program Risk Assessment Guidelines* (OEHHA 2015). The CARB's HARP, Version 2, was used for HRA modeling. The HARP Risk Module predicts health impacts terms of cancer risk, hazard index acute (HIA), and hazard index chronic (HIC) by factoring AERMOD-predicted pollutant concentrations by pollutant-specific cancer potency values and chronic/acute Reference Exposure Levels (REL) obtained from OEHHA. The HARP average point-estimate was used in the analysis. For residential exposure, it is assumed that the person is exposed continuously to the maximum concentration for 30 years. For workers' health risks, it was assumed that a worker is exposed 250 days per year for 25 years.

HARP modeling was conducted for sensitive receptors near the Proposed Project area, including residents and representative locations of living communities. Nearby residents included in the HRA include the four residential homes located within approximately 2 miles of the Project site. The closest to the Project site are three residences located on Old Otay Mesa Road, directly west of the Project site and approximately midway between Harvest Road and Alta Road. Another house is located between the two prison facilities, accessed via a dirt road off of Alta Road before Alta Road reaches the County East Mesa Detention facility.

If a specific location was not included in the HRA modeling, the health risks were calculated by using the ratio of the TAC emissions and health risk values at other locations. For exposure of off-site workers near the Project boundary, an off-site worker exposure factor was applied to assess the carcinogenic risk. Others who might be on the property boundary of the Proposed Project would not be exposed for 25 years. The health risk assessment are shown in detail in Appendix G.

4.0 PROJECT IMPACT ANALYSIS

The Proposed Project would generate both construction (Phase 1 – Site Development) and operational (Phases 2 and 3 – Quarry and Aggregate Operations, and Phase 4 – Landfill and Reclamation) emissions. Construction emissions include emissions associated with the Phase 1 site development of the Project. Operational emissions include emissions associated with the Project, including truck traffic, during the course of the operation.

4.1 Conformance to the Regional Air Quality Strategy

4.1.1 Guidelines for the Determination of Significance

4.1.1.1 Guideline

Would the Proposed Project result in emissions that would conflict with or obstruct implementation of the applicable air quality plan?

4.1.1.2 Issue Background

The RAQS outlines SDAPCD's plans and control measures designed to attain the CAAQS for ozone. In addition, the SDAPCD relies on the SIP, which includes the SDAPCD's plans and control measures for attaining the ozone NAAQS. These plans accommodate emissions from all sources, including natural sources, through the implementation of control measures, where feasible, on stationary sources to attain the standards. Mobile sources are regulated by the USEPA and the CARB, and the emissions and reduction strategies related to mobile sources are considered in the RAQS and SIP.

The RAQS relies on information from the CARB and SANDAG, including projected growth in the County, mobile, area, and all other source emissions in order to project future emissions and determine from that the strategies necessary for the reduction of stationary source emissions through regulatory controls. The CARB mobile source emission projections and SANDAG growth projections are based on population and vehicle trends and land use plans developed by the cities and the County. As such, projects that propose development that is consistent with the growth anticipated by the local jurisdictions' general plans would be consistent with the RAQS. In the event that a project proposes development that is less dense than anticipated within the General Plan, the project would likewise be consistent with the RAQS. If a project proposes development that is greater than that anticipated in the County General Plan and SANDAG's growth projections upon which the RAQS is based, the project would be in conflict with the RAQS and SIP and might have a potentially significant impact on air quality. This situation would warrant further analysis to determine whether the Proposed Project and the surrounding projects exceed the growth projections used in the RAQS for the specific subregional area.

4.1.2 Significance of Impacts Prior to Mitigation

The current 2016 RAQS are based on projections for residential, commercial, industrial and recreational land uses contained in the County's General Plan, Otay Subregional Plan (OSP) and

SANDAG's San Diego Forward Regional Plan. In relation to the residential developments, the General Plan, OSP and Regional Plan project greater increases in population (i.e., number of residences and commercial square footages) at buildout than the Proposed Project. The Proposed Project does not include any residential development, therefore, Project implementation would result in fewer residential dwelling units and increased commercial and industrial development than assumed in the County General Plan and East Otay Mesa Specific Plan (EOMSP) for the East Otay Mesa Planning Area.

The Project impact footprint is primarily designated as Mixed Industrial and Rural Residential in the EOMSP. The Mixed Industrial designation applies to approximately 35 percent of the 105-acre Project impact footprint. This designation is intended to accommodate industrial plants that primarily engage in the manufacturing, treatment, warehousing or fabrication of materials or products. The land use designation for the remaining 65 percent of the Project impact footprint is Rural Residential (1 dwelling unit [du] per 20 acres). This designation is intended for very low-density residential use on land generally unsuitable for intensive development (consisting of steeper slopes).

The Project Applicant proposes to extract and process approximately 1,600,000 tons of material per year from the Project site. While potential conflicts with the RAQS may occur when a proposed Project seeks to change the land use designations, the effect of project-related emissions on anticipated population also is important. One of the main air pollution control strategies contained in the RAQS and the Regional Plan is the reduction of vehicle miles traveled (VMT) and the creation of more jobs-producing land uses to create a better jobs-to-housing balance and to reduce commute times and VMT. The Project is consistent with this goal since it would create job opportunities in an area in need of them. Furthermore, because aggregate supply would be consumed with or without the Proposed Project, the Project would not have an effect on overall demand. However, the Project has an effect on the distance that trucks delivering aggregates travel within the region. Project aggregate from the proposed facility would replace materials hauled from farther distances in the south San Diego County region. This rationale is supported by Dr. Peter Berk's — *Working Paper No. 994 – A Note on the Environmental Costs of Aggregate* (Department of Agricultural and Resource Economics and Policy, Division of Agricultural and Natural Resources, University of California Berkley, January 2005).

SANDAG released their *San Diego Region Aggregate Supply Study* in January 2011, which presented information related to the average miles traveled, and associated GHG emissions produced, by vehicles delivering aggregate to project sites. The document explains that if the aggregate is transported by truck from current local mines to local project sites, the average distance between existing mines and construction sites in the region is 26 miles, which are used as VMT projections in the Regional Plan.

The aggregate produced by the Proposed Project would reduce demand on other aggregate operation currently supplying materials over a longer distance. A market analysis of construction aggregate in San Diego County conducted by EnviroMINE determined the average distance between existing mines and aggregate customers in the region is approximately 29 miles (EnviroMINE 2020). This same study concluded the average distance for aggregate deliveries

from the Proposed Project would be approximately 10 miles (see Appendix H). The difference in trip length between local and regional trips would help reduce emissions from truck trips (see Appendix I).

The Project does not include a residential component; therefore, no direct population growth would result from the Project as compared to what was accounted for in the development of the RAQS. Additionally, and as set forth above, the development would reduce regional VMT and the new employment opportunities resulting from Project would improve the current jobs-to-housing ratio by providing jobs to local residents. While the place of residence of the persons accepting employment provided by the proposed uses is uncertain, it is reasonable that a large percentage of these jobs would be filled by persons already living within the surrounding area; therefore, employment projections would remain consistent with regional growth projections and, therefore, consistent with the RAQS.

Emissions projections used to establish SDAPCD attainment objectives reflect adopted regional and local land use plans. Therefore, the emissions associated with the Proposed Project are within the amounts already accounted for in the RAQS, and no significant inconsistency with the RAQS would occur.

The Proposed Project would not result in a significant impact and the Project would be consistent with the RAQS and SIP.

4.1.3 Mitigation Measures and Design Considerations

Because the Project's activities, when added to the projected land use planning activities in the Otay Subregional Plan Area, would not exceed the regional growth projections included by SANDAG in the RAQS and SIP, no mitigation measures are required.

4.1.4 Conclusions

The Proposed Project would conform with the RAQS and SIP and would result in no impact.

4.2 Conformance to Federal and State Ambient Air Quality Standards

4.2.1 Construction Impacts

The Proposed Project construction activity would have the potential to adversely affect air quality through the generation of criteria pollutants (which includes fugitive dust emissions) and air toxic emissions. The short-term construction activities associated with the Proposed Project would be relatively small for the site development activities. Site development would involve four Project stage components: mass grading, backbone infrastructure (utility installation), vertical building and installation of equipment, and paving. Based on the County Guidelines (2007), construction impacts would be potentially significant if they exceed the quantitative screening-level thresholds for attainment/maintenance pollutants (NO₂, SO₂, and CO), and would result in a significant impact if they exceed the screening-level thresholds for nonattainment pollutants (ozone precursors and PM).

4.2.1.1 Guidelines for the Determination of Significance

Guideline

Would the Project construction result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Issue Background

For CEQA purposes, the County has adopted the SLT criteria in Table 7, which can be used as numeric metrics to determine whether the project's construction emissions would or would not result in a significant impact to air quality.

In the event that emissions exceed the screening-level thresholds in Table 5, dispersion modeling analysis would be required to demonstrate that the Project's construction impacts result in ground-level concentrations that are below the NAAQS and CAAQS, including appropriate background levels, or the Project construction impact would be deemed to result in a significant impact on the ambient air quality.

The ambient air quality standards reflect actual concentrations for each criteria pollutant. However, it is not economically feasible for individual CEQA projects to model actual concentrations for ozone based on emissions of its precursors due to the complex regional nature of ozone formation in the atmosphere. Therefore, exceedance of the SLTs for NO_x and VOCs would result in a significant impact unless mitigation is incorporated that would reduce the emissions of these pollutants below the level of the screening thresholds.

Ozone Precursors

- *Would the project result in emissions that exceed 250 pounds per day of NO_x, or 75 pounds per day of VOCs?*

Carbon Monoxide

- *Would the project result in emissions that exceed 550 pounds per day of CO?*

Particulate Matter

- *Would the project result in emissions of PM_{2.5} that exceed 55 pounds per day?*
- *Would the project result in emissions of PM₁₀ that exceed 100 pounds per day and increase the ambient PM₁₀ concentration by 5.0 µg/m³ or greater at any sensitive receptor locations (or maximum exposed individual [MEI], a term commonly used by CARB for sensitive receptors)?*

4.2.1.2 Significance of Impacts Prior to Mitigation

The construction activities associated with the Proposed Project would create diesel emissions and would generate dust emissions. During Phase 1 Site Development, construction of the aggregate processing plants, earthmoving vehicles and other diesel-powered construction equipment would generate exhaust emissions of CO, NO_x, VOC, SO_x, and particulate matter. PM₁₀ would also be generated in the form of fugitive dust emissions from earth clearing and grading, and vehicle traffic on unpaved surfaces at the Project site and on access roads, thereby resulting in a potentially significant impact. Fugitive dust represents the particles of dust generated and introduced into the atmosphere that do not readily fall back to the ground due to their small size and mass (including PM₁₀ and PM_{2.5}). Standard construction equipment includes dozers, loaders, scrapers, water truck, and delivery trucks. Emissions associated with construction of the Proposed Project were calculated using the USEPA's Tier 2 emission standards for off-road engines and CARB's OFFROAD equipment horsepower ratings and load factors.

The emission calculations were based on the assumption that equipment would be operating on site between 7:00 a.m. and 4:00 p.m. for an average of 8 hours per day, 5 days per week. It was assumed that the individual construction components would occur sequentially and each component would begin and be completed within the calendar year 2019. The equipment activities and emissions assumptions utilized in this analysis are conservative.

Rule 55 prohibits construction or demolition activity that would discharge into the atmosphere beyond the property line dust emissions of 10 percent opacity or greater for a period of three minutes in any 60-minute period. Rule 55 also requires the minimization of visible roadway dust as a result of active operations that generate fugitive dust. Although it was assumed that dust control measures would be implemented, to calculate the most conservative construction estimates, the application of water during construction activity was taken into consideration when applying a control efficiency on particulate emissions. Based on the SCAQMD's Fugitive Dust Control Measures Handbook, the control efficiency for watering every three hours via water truck yields an emission reduction of up to 75 percent PM₁₀. Other control measures such as the CARB off-road equipment regulations were accounted for in the construction emission calculations.

Table 11 presents a summary of the assumed equipment that would be involved in construction.

Table 11
CONSTRUCTION STAGES AND EQUIPMENT REQUIREMENTS

Off-road Equipment Type	Horsepower	Load Factor	Grading		Backbone Infrastructure		Building Construction		Paving	
			Pieces	Hours	Pieces	Hours	Pieces	Hours	Pieces	Hours
Aerial Lift	63	0.31	-	-	-	-	2	8	-	-
Air Compressors	78	0.48	-	-	-	-	2	8	-	-
Bore/Drill Rigs	221	0.50	-	-	1	8	-	-	-	-
Cement and Mortar Mixers	9	0.56	-	-	-	-	2	8	1	8
Cranes	231	0.29	-	-	-	-	2	4	-	-
Crawler Tractors	212	0.43	2	8	-	-	-	-	4	8
Dumpers/Tenders	16	0.38	4	4	-	-	-	-	2	4
Excavators	158	0.38	-	-	1	8	1	4	-	-
Forklifts	89	0.20	-	-	1	8	4	8	-	-
Generator Sets	84	0.74	-	-	-	-	3	8	-	-
Graders	187	0.41	2	8	-	-	-	-	1	8
Off-Highway Tractors	124	0.44	1	8	1	8	1	8	1	4
Off-Highway Trucks	402	0.38	4	8	2	8	-	-	1	4
Other Construction Equipment	172	0.42	2	4	2	4	2	4	2	4
Other General Industrial Equipment	88	0.34	1	4	1	4	4	4	-	-
Pavers	130	0.42	-	-	-	-	-	-	1	8
Paving Equipment	132	0.36	-	-	-	-	-	-	2	8
Plate Compactors	8	0.43	-	-	-	-	2	8	1	8
Pressure Washers	13	0.30	-	-	-	-	2	8	-	-
Pumps	84	0.74	-	-	-	-	1	8	-	-
Rollers	80	0.38	2	8	-	-	-	-	1	8
Rough Terrain Forklifts	100	0.40	-	-	-	-	2	8	-	-

Table 11 (cont.)
CONSTRUCTION STAGES AND EQUIPMENT REQUIREMENTS

Off-road Equipment Type	Horsepower	Load Factor	Grading		Backbone Infrastructure		Building Construction		Paving	
			Pieces	Hours	Pieces	Hours	Pieces	Hours	Pieces	Hours
Rubber Tired Dozers	247	0.40	4	4	-	-	-	-	1	4
Rubber Tired Loaders	203	0.36	2	8	-	-	-	-	1	8
Scrapers	367	0.48	4	8	-	-	-	-	-	-
Skid Steer Loaders	65	0.37	2	8	-	-	1	8	-	-
Sweepers/Scrubbers	64	0.46	-	-	-	-	1	4	-	-
Tractors/Loaders/Backhoes	97	0.37	2	8	2	8	2	8	-	-
Trenchers	78	0.50	-	-	1	8	-	-	-	-
Welders	46	0.45	-	-	-	-	8	8	-	-

The Project's plan is to use the same equipment for all four construction components. Tables 12 and 13 provide a summary of the emission estimates for the peak daily and annual construction activity for each component, respectively. Mass grading and the installation of backbone infrastructure would occur before, and would not overlap with, building construction and paving. As these activities would never occur on the same day during Phase 1, emissions related to these separate stages of construction are subtotaled in the tables below. As noted above, it was assumed that dust control measures (water application every three hours daily) would be employed to reduce emissions of fugitive dust during on-site construction activities. The resultant emissions from the construction activity are compared to the daily and annual emission thresholds to determine significance.

Table 12 ESTIMATED DAILY CONSTRUCTION EMISSIONS FOR EACH COMPONENT: PHASE 1 (2020)						
Daily Emissions (lbs/day)						
Source	VOC	CO	NO_x	SO_x	PM₁₀	PM_{2.5}
Grading and Backbone Infrastructure						
Mass Grading	13.68	85.12	152.36	0.21	6.30	5.80
Backbone Infrastructure	3.70	29.56	36.98	0.07	1.82	1.67
Employees and Delivery Trucks	0.98	2.99	12.38	0.03	0.41	0.23
Subtotal	18.36	117.67	201.71	0.31	8.52	7.70
Daily Threshold	75	550	250	250	100	55
Exceeds Threshold?	No	No	No	No	No	No
Vertical Construction and Paving						
Building Construction	8.66	68.67	68.17	0.11	3.83	3.67
Paving	5.73	33.74	66.50	0.08	2.75	2.53
Employees and Delivery Trucks	0.98	2.99	12.38	0.03	0.41	0.23
Subtotal	15.37	105.40	147.04	0.23	6.99	6.43
Daily Threshold	75	550	250	250	100	55
Exceeds Threshold?	No	No	No	No	No	No

Note: Fugitive dust measures were applied to control PM₁₀ and PM_{2.5} dust emissions.
VOC = volatile organic compound; CO = carbon monoxide; NO_x = nitrogen oxides; SO_x = sulfur oxides; PM₁₀ = particulate matter 10 microns or less in diameter; PM_{2.5} = particulate matter 2.5 microns or less in diameter

Table 13 ESTIMATED ANNUAL CONSTRUCTION EMISSIONS FOR EACH COMPONENT: PHASE 1 (2020)						
Annual Emissions (tons/year)						
Source	VOC	CO	NO_x	SO_x	PM₁₀	PM_{2.5}
Grading and Backbone Infrastructure						
Mass Grading	0.14	0.85	1.52	0.00	0.06	0.06
Backbone Infrastructure	0.03	0.22	0.28	0.00	0.01	0.01
Employees and Delivery Trucks	0.13	0.39	1.61	0.00	0.05	0.03
Subtotal	0.29	1.46	3.41	0.01	0.13	0.10
Annual Threshold	13.7	100	40	40	15	10
Exceeds Threshold?	No	No	No	No	No	No
Vertical Construction and Paving						
Building Construction	0.11	0.89	0.89	0.00	0.05	0.05
Paving	0.03	0.17	0.33	0.00	0.01	0.01
Employees and Delivery Trucks	0.13	0.39	1.61	0.00	0.05	0.03
Subtotal	0.27	1.45	2.83	0.01	0.12	0.09
Annual Threshold	13.7	100	40	40	15	10
Exceeds Threshold?	No	No	No	No	No	No

Note: Fugitive dust measures were applied to control PM₁₀ and PM_{2.5} dust emissions.

VOC = volatile organic compound; CO = carbon monoxide; NO_x = nitrogen oxides; SO_x = sulfur oxides; PM₁₀ = particulate matter 10 microns or less in diameter; PM_{2.5} = particulate matter 2.5 microns or less in diameter

As shown in Tables 12 and 13, with the minimum application of the CARB's off-road equipment regulations, SDAPCD Rule 55 and best management practices to control emissions of fugitive dust discussed below, emissions of all criteria pollutants, including PM₁₀, and PM_{2.5}, would be below the daily thresholds during construction. The resultant maximum daily construction emissions would be applicable to the following four construction components in a sequential order: mass grading, backbone infrastructure, vertical building/installation, and paving. Therefore, construction of the Proposed Project would not conflict with the NAAQS or CAAQS, and the construction impact is less than significant.

4.2.1.3 Control Measures and Design Considerations

In order to estimate the construction impacts, standard construction emission control measures were applied to the Proposed Project. The control measures outlined below were included in the emission calculations in accordance with USEPA AP-42 methodology (USEPA 2013).

The SDAPCD's Rule 55 requires specific reasonably available control measures (RACM) to suppress fugitive dust emissions from any project's construction. The Project's applicant will use RACMs, including CARB's off-road equipment regulations and dust control measures outlined below, to reduce the amount of fugitive dust that would be generated during construction. CARB's Off-road regulations include requiring the off-road construction fleet to use any combination of diesel catalytic converters, diesel oxidation catalysts, and diesel particulate filters.

Control Measure AQ-1: Dust Controls

The following standard fugitive dust control measures required as part of grading are incorporated into the Project design and were taken into account when calculating construction emissions:

- All unpaved construction areas shall be sprinkled with water or other acceptable SDAPCD dust control agents a minimum of every three hours during dust-generating activities to reduce dust emissions. Additional watering or acceptable SDAPCD dust control agents shall be applied during dry weather or windy days until dust emissions are not visible.
- Maintain a minimum soil moisture to limit visible dust emissions to 20 percent opacity for earthmoving by using a movable sprinkler system or a water truck.
- Cover storage piles with tarp during high wind episodes.
- Enforce a 15-mile-per-hour speed limit on unpaved surfaces.
- Dirt and debris spilled onto paved street surfaces shall be swept up immediately to reduce resuspension of particulate matter caused by vehicle movement. Approach routes to construction sites shall be cleaned daily of construction-related dirt in dry weather.

Control Measure AQ-2: Fleet Modernization for On-road Trucks

- Idling of trucks shall be restricted to a maximum of five minutes when not in use.
- All on-road heavy-duty diesel trucks with a gross vehicle weight rating of 19,500 pounds or greater used on site or to transport materials to and from the site shall comply with CARB on-road regulation requirements, where available.

Control Measure AQ-3: Fleet Modernization for Off-road Equipment

- Construction equipment shall incorporate, where feasible based on market availability of the scheduled Tier engine standards, emissions control technology such as diesel catalytic converters, diesel oxidation catalysts, diesel particulate filters, and specific fuel economy standards.
- Idling shall be restricted to a maximum of five minutes when not in use.

- All off-road diesel-powered construction equipment greater than 50 hp shall meet CARB's mobile off-road Tier 2 regulation requirements.

4.2.1.4 Conclusions

With design considerations noted above, the results show that construction-related emissions would be below the level of significance. Therefore, the Project's criteria pollutants emissions during construction would constitute a less than significant impact on the ambient air quality.

4.2.2 Operational Impacts

For the air quality requirement affecting the operational emissions, the AQIA thresholds are applied to non-fugitive emissions sources such as the aggregate processing plant, CTB plant, HMA plant, concrete batch plant, and recycle material plant. For all other fugitive emission sources, such as the fugitive dust emission from the off-road equipment activities, on-site heavy duty equipment, on-site vehicle emissions, unpaved road dust, and employee vehicle and delivery truck trips, are compared to the CEQA SLTs.

When project emissions have the potential to approach or exceed the AQIA trigger level or SLTs, additional air quality modeling may need to be prepared to demonstrate that ground-level concentrations resulting from project emissions (with background levels) would be below federal and state ambient air quality standards listed in Table 2.

In the event that project emissions exceed these AQIA or CEQA SLTs, specific modeling would be required for VOC, NO_x, CO, PM₁₀, and PM_{2.5} to demonstrate that the project's ground-level concentrations, including appropriate background levels, do not exceed the NAAQS and CAAQS.

4.2.2.1 Guidelines for the Determination of Significance

Guidelines

- *Would the project operations result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation?*

Ozone Precursors

- *Would the project result in emissions that exceed 250 pounds per day of NO_x, or 75 pounds per day of VOCs? Note: VOC is not applicable for non-fugitive emission sources.*

Carbon Monoxide

- *Would the project result in emissions of CO that exceed 550 pounds per day and that when totaled with the ambient concentrations would exceed a one-hour concentration of 20 ppm or an eight-hour average of 9 ppm?*

Particulate Matter

- Would the project result in emissions of $PM_{2.5}$ that exceed 55 pounds per day? Note: $PM_{2.5}$ is not applicable for non-fugitive emission sources.
- Would the project result in emissions of PM_{10} that exceed 100 pounds per day and increase the ambient PM_{10} concentration by $5.0 \mu\text{g}/\text{m}^3$ or greater at any sensitive receptor locations?

Issue Background

The Proposed Project would result in increased emissions from the operation of the quarry and emissions from the operation of the aggregate processing plant, recycled material processing, cement-treated base plant, asphalt plant, and concrete batch plant. Direct emissions from Project-related on-site activities would result from operation of stationary equipment (aggregate processing equipment, fuel/oil storage tank, and plant production and storage equipment), off-road mobile equipment (exhaust and fugitive dust) at the quarry and aggregate processing plants, and fugitive dust from haul trucks while at the site.

A detailed discussion of the facility processes is provided in Section 3.2, *Methodology*. At full production, the Project proposes to produce up to 1.6 million tons of aggregate per year (approx. 800,000 cy per year), some of which would be used to produce asphalt, cement, concrete, and aggregate sales. In addition, up to approximately 420,000 tons¹ of recyclable materials per year would be processed on site. Table 14 presents a summary of the production data for each plant.

Table 14			
ESTIMATED AGGREGATE MATERIAL PROCESS			
Activity	High Production		
	Hourly (TPH)	Daily (TPD)	Annual (TPY)
Primary Processing Production	800	8,000	1,600,000
Secondary Processing Production	700	7,000	1,400,000
Recycled Material Production	300	3,000	420,000
Sand Screen Plant	200	2,000	200,000
Concrete Batch Plant	1,000	10,000	1,000,000
Cement-Treated Base Plant	400	4,000	320,000
Hot Mix Asphalt Plant	500	5,000	600,000

Source: Superior Ready Mix 2012

TPH = tons per hour, TPD = tons per day, and TPY = tons per year

Based on the County Guidelines (2007), operational impacts would be potentially significant if they exceed the quantitative screening-level thresholds for attainment/maintenance pollutants (NO_2 , SO_2 , and CO) and would result in a significant impact if they exceed the screening-level thresholds for nonattainment pollutants (ozone precursors and particulate matter).

¹ Throughout this document, “tons” refers to short tons, i.e., 2,000 pounds.

4.2.2.2 Significance of Impacts Prior to Mitigation

Operational emissions were calculated for both criteria and air toxic pollutants. The details of the calculations are shown in Appendix A. Tables 15 through 17 summarize the maximum daily operational emissions of criteria pollutants, and Tables 18 through 20 summarize the maximum annual emissions. Note that although the quarry operates at most 305 days per year, the annual emissions are not the product of the maximum daily emissions times 305 days per year. That is because the quarry normally does not operate at the maximum daily level. If the quarry operated at the maximum daily production rate of 8,000 tpd as shown in Tables 15 through 17, the annual production limit would be reached in 200 working days. For purposes of calculating emissions and analyzing short-term impacts in this AQIA, the worst-case maximum daily production level was used. For purposes of calculating emissions and analyzing annual impacts, the annual production rate was used.

As previously discussed in Section 1.2.3.2, *Phasing*, Phase 2 would occur between 2021 and 2042, and Phase 3 would occur between 2043 and 2110; with the exception of offsite vehicle trips, emissions are essentially identical for Phase 2 and Phase 3 of the quarry mining operation. This is because once the 1.6 million metric tons (MMT) per year extraction rate is reached, it was assumed that the maximum extraction rate would continue for the life of the quarry. There is no difference in maximum extraction rate between Phase 2 and Phase 3. The only difference between Phase 2 and Phase 3 is that the quarry mining would be moved from the hillside to below the natural grade surface (open pit) of the facility. The difference in vehicle emissions is a direct result of emission rates being reduced in 2043 when compared with those for 2021. The emissions shown in Tables 15 and 16 are the maximum of Phases 2 and 3 operations, respectively.

Criteria pollutants from Phases 2 and 3 would be associated with the following activities. For purposes of this AQIA, all emissions from the aggregate plant, cement-treated base plant, hot mix asphalt plant, concrete batch plant, and recycle material plant are considered to be non-fugitive emissions.

- Fugitive Dust from Excavation: Excavating aggregate materials during operations would generate fugitive dust. Frequent watering in the mining area would reduce fugitive dust emissions.
- On-site Vehicle Exhaust: Bulldozers, loaders, and personnel transport vehicles run on internal combustion engines. Internal combustion engines generate NO_x, VOC, CO, PM₁₀, and PM_{2.5} from the combustion of gasoline or diesel fuel. Emissions in this category would include haul truck exhaust while on site but would not include emissions from the haul trucks once off site on public roadways.
- Dust from On-site Vehicle Activity: Various vehicles, such as excavating equipment and pick-up trucks, would traverse unpaved areas and generate dust. Factors affecting dust generation from these sources include: (1) trip length, (2) silt content of road surface material, (3) moisture content of surface, (4) weight of vehicle traveling the road, and (5) number of trips per day. Watering or soil stabilizers would control the dust.

- Delivery Trucks and Employee Vehicle Exhaust: The primary sources of emissions in this category would be: (1) trucks hauling aggregate and asphalt produced at the site to customers, (2) trucks hauling cement, cement supplements, diesel fuels, asphalt oil and other raw material to the site, and (3) employee vehicles.
- Aggregate Processing: Excavated rock would be trucked from the mining area to the processing plant. The stationary sources (i.e., SDAPCD permitted sources) associated primarily with aggregate processing facility are: a feeder hopper, primary Jaw Crusher, secondary cone crushers, screens, conveyors, stacking conveyors, and aggregate wash plant. At the processing plant, rock would be screened and crushed to size. The transfer points between haul trucks, crushing, and screening would generate dust. The screens, crushers, and conveyors associated with those devices would be controlled with a combination of wet material, complete enclosure and/or baghouse filters or similar devices.
- Storage Piles and Product Loading: After aggregate is processed, the material is segregated by product type and stockpiled for future shipment. Some fine material remains on the rock after processing. Wind blowing across the stockpiles releases these fine particles and creates dust. Dust is also released when the rock is picked up and loaded onto haul trucks.
- Cement-treated Base Plant: The cement-treated base plant would be capable of producing a maximum of 400 tph and would be limited to a maximum annual CTB production of 320,000 tons. The plant would generate PM₁₀ and PM_{2.5} dust. Emissions from these sources are minimized by use of water spray systems on the aggregate to reduce any fugitive dust generated.
- Hot Mix Asphalt Plant: The asphalt plant would be capable of producing a maximum of 500 tph of asphalt and would be limited to a maximum annual asphalt production of 600,000 tons. The hot mix asphalt plant would generate emissions from the following sources: the dryer, burner-blower, asphalt cement heating and storage, exhaust fan, blue smoke recovery unit, dust collection system, and RAP area. The hot mix asphalt plant would generate VOC, NO_x, CO, SO_x, PM₁₀, and PM_{2.5} emissions.
- Concrete Batch Plant: The concrete batch plant would be capable of producing a maximum of 500 cy per hour and would be limited to a maximum annual concrete production of 500,000 cy. The concrete batch plant would generate PM₁₀ and PM_{2.5} dust. Emissions from these sources are minimized by use of water spray systems on the aggregate to reduce any fugitive dust generated.

SDAPCD Rules 20.2 and 1200 would be required for each permitted sources (i.e., Mining, portable generator, rock crushers, screens, cemented treated based plant, asphalt plant and silos, concrete batch plant and silos, recycled plant, and sand, rock and aggregate primary and secondary plants.).

Tables 15, 16 and 17 include peak daily emissions associated with the Proposed Project.

Table 15
TOTAL PEAK DAILY OPERATIONAL EMISSIONS FOR PHASE 2 (2021 - 2042)

Source	Daily Emissions (pounds per day)					
	VOC	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Non-Permitted Emission Sources						
Bulldozing and overburden	-	-	-	-	9.03	4.97
Blasting and drilling	-	335.00	85.00	10.00	12.97	1.19
Portable sand screen	-	-	-	-	5.92	0.40
Wind erosion of exposed active areas	-	-	-	-	0.17	0.03
Delivery trucks and employee trips	0.95	4.57	9.10	0.02	0.17	0.12
Heavy duty equipment operations	5.05	30.51	50.26	0.09	2.18	2.02
Off-site Truck/Employee Vehicle Trips	12.14	32.62	185.68	0.49	5.99	3.35
Unpaved road dust	-	-	-	-	57.31	5.73
Fuel/oil storage tanks	0.02	-	-	-	-	-
TOTAL	18.15	402.70	330.05	10.60	93.16	19.90
CEQA Significance Thresholds	75	550	250	250	100	55
Exceedance?	No	No	Yes	No	No	No
Permitted Emission Sources						
Rock crushing	-	-	-	-	44.99	8.24
Storage piles	-	-	-	-	1.52	0.45
Cement treated base	-	-	-	-	1.62	0.37
Hot mix asphalt	89.83	138.67	26.90	3.43	19.42	11.01
Concrete batch plant	-	-	-	-	4.71	1.79
Recycled materials	-	-	-	-	7.28	1.04
TOTAL	89.83	138.67	26.90	3.43	79.53	22.89
AQIA Significance Thresholds	N/A	550	250	250	100	N/A
Exceedance?	No	No	No	No	No	No

VOC = volatile organic compound; CO = carbon monoxide; NO_x = nitrogen oxides; SO_x = sulfur oxides; PM₁₀ = particulate matter 10 microns or less in diameter; PM_{2.5} = particulate matter 2.5 microns or less in diameter

Table 16
TOTAL PEAK DAILY OPERATIONAL EMISSIONS FOR PHASE 3 (2043 - 2110)

Source	Daily Emissions (pounds per day)					
	VOC	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Non-Permitted Emission Sources						
Bulldozing and overburden	-	-	-	-	9.03	4.97
Blasting and drilling	-	335.00	85.00	10.00	12.97	1.19
Portable sand screen	-	-	-	-	5.92	0.40
Wind erosion of exposed active areas	-	-	-	-	0.17	0.03
Delivery trucks and employee trips	0.95	4.57	9.10	0.02	0.17	0.12
Heavy duty equipment operations	5.05	30.51	50.26	0.09	2.18	2.02
Off-site Truck/Employee Vehicle Trips	1.04	12.75	96.61	0.36	3.19	0.68
Unpaved road dust	-	-	-	-	57.31	5.73
Fuel/oil storage tanks	0.02	-	-	-	-	-
TOTAL	7.06	382.83	240.97	10.47	90.36	17.23
CEQA Significance Thresholds	75	550	250	250	100	55
Exceedance?	No	No	No	No	No	No

Table 16 (cont.) TOTAL PEAK DAILY OPERATIONAL EMISSIONS FOR PHASE 3 (2043 - 2110)						
Source	Daily Emissions (pounds per day)					
	VOC	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Permitted Emission Sources						
Rock crushing	-	-	-	-	44.99	8.24
Storage piles	-	-	-	-	1.52	0.45
Cement treated base	-	-	-	-	1.62	0.37
Hot mix asphalt	89.83	138.67	26.90	3.43	19.42	11.01
Concrete batch plant	-	-	-	-	4.71	1.79
Recycled materials	-	-	-	-	7.28	1.04
TOTAL	89.83	138.67	26.90	3.43	79.53	22.89
AQIA Significance Thresholds	N/A	550	250	250	100	N/A
Exceedance?	No	No	No	No	No	No

VOC = volatile organic compound; CO = carbon monoxide; NO_x = nitrogen oxides; SO_x = sulfur oxides; PM₁₀ = particulate matter 10 microns or less in diameter; PM_{2.5} = particulate matter 2.5 microns or less in diameter

Table 17 TOTAL PEAK DAILY OPERATIONAL EMISSIONS FOR PHASE 4 (POST 2110)						
Source	Daily Emissions (pounds per day)					
	VOC	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
On-site Reclamation	-	-	-	-	25.95	2.66
On-site Bulldozing and overburden	-	-	-	-	9.03	4.97
On-site Delivery trucks and employee trips	0.41	1.70	4.85	0.01	0.13	0.09
On-site Unpaved road dusts	-	-	-	-	4.51	0.45
Heavy duty equipment operations	5.05	30.51	50.26	0.09	2.18	2.02
Off-site Trucks and Employee Trips	0.38	3.62	23.22	0.09	0.79	0.17
TOTAL	5.84	35.83	78.34	0.19	42.59	10.35
CEQA Significant Thresholds	75	550	250	250	100	55
Exceedance?	No	No	No	No	No	No

VOC = volatile organic compound; CO = carbon monoxide; NO_x = nitrogen oxides; SO_x = sulfur oxides; PM₁₀ = particulate matter 10 microns or less in diameter; PM_{2.5} = particulate matter 2.5 microns or less in diameter

As shown in Table 15, the peak daily operational NO_x emissions during Phase 2 would exceed the daily threshold and, therefore, would result in a potentially significant impact under CEQA. As shown in Tables 15 through 17, emissions of all other criteria pollutants would be below the daily thresholds for all operational phases.

In addition to the daily emission analysis, the County also requires the evaluation of the annual operational emissions. For the purpose of this annual analysis, the operational activities are assumed to operate at the maximum annual production rate presented in Table 14. As previously mentioned, the operational component activities for each phase would occur simultaneously. The results of the emission calculations, in tons/year, are summarized in Tables 18 through 20, along with emissions associated with fugitive dust sources and a comparison with the County significance criteria.

Table 18
TOTAL ANNUAL OPERATIONAL EMISSIONS FOR PHASE 2 (2021 - 2042)

Source	Annual Emissions (tons per year)					
	VOC	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Non-Permitted Emission Sources						
Bulldozing and overburden	-	-	-	-	0.23	0.12
Blasting and drilling	-	8.38	2.13	0.25	0.58	0.08
Portable sand screen					0.59	0.04
Wind erosion of exposed active areas	-	-	-	-	0.17	0.005
Delivery trucks and employee trips	0.09	0.43	0.83	0.00	0.02	0.01
Heavy-duty equipment operations	0.40	2.70	3.95	0.01	0.16	0.15
Off-site Truck/Employee Vehicle Trips	1.58	4.24	24.14	0.06	0.78	0.44
Unpaved road dust	-	-	-	-	4.50	0.45
Fuel/oil storage tanks	0.00	-	-	-	-	-
Total	2.07	15.74	31.04	0.32	7.03	1.30
CEQA Significant Thresholds	13.7	100	40	40	15	10
Exceedance?	No	No	No	No	No	No
Permitted Emission Sources						
Rock crushing	-	-	-	-	4.50	0.82
Storage piles	-	-	-	-	0.28	0.08
Cement treated base	-	-	-	-	0.06	0.01
Hot mix asphalt	2.00	7.92	1.61	0.20	0.60	0.42
Concrete batch plant	-	-	-	-	0.02	0.01
Recycled materials	-	-	-	-	1.11	0.16
Total	2.00	7.92	1.61	0.20	6.57	1.51
AQIA Significant Thresholds	N/A	100	40	40	15	10
Exceedance?	No	No	No	No	No	No

VOC = volatile organic compound; CO = carbon monoxide; NO_x = nitrogen oxides; SO_x = sulfur oxides; PM₁₀ = particulate matter 10 microns or less in diameter; PM_{2.5} = particulate matter 2.5 microns or less in diameter

Table 19
TOTAL ANNUAL OPERATIONAL EMISSIONS FOR PHASE 3 (2043 - 2110)

Source	Annual Emissions (tons per year)					
	VOC	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Non-Permitted Emission Sources						
Bulldozing and overburden	-	-	-	-	0.23	0.12
Blasting and drilling	-	8.38	2.13	0.25	0.58	0.08
Portable sand screen					0.59	0.04
Wind erosion of exposed active areas	-	-	-	-	0.17	0.005
Delivery trucks and employee trips	0.09	0.43	0.83	0.00	0.02	0.01
Heavy-duty equipment operations	0.40	2.70	3.95	0.01	0.16	0.15
Off-site Truck/Employee Vehicle Trips	0.14	1.66	12.56	0.05	0.42	0.09
Unpaved road dust	-	-	-	-	4.50	0.45
Fuel/oil storage tanks	0.00	-	-	-	-	-
Total	0.63	13.16	19.46	0.31	6.67	0.95
CEQA Significant Thresholds	13.7	100	40	40	15	10
Exceedance?	No	No	No	No	No	No
Permitted Emission Sources						
Rock crushing	-	-	-	-	4.50	0.82
Storage piles	-	-	-	-	0.28	0.08
Cement treated base	-	-	-	-	0.06	0.01
Hot mix asphalt	2.00	7.92	1.61	0.20	0.60	0.42
Concrete batch plant	-	-	-	-	0.02	0.01
Recycled materials	-	-	-	-	1.11	0.16
Subtotal	2.00	7.92	1.61	0.20	6.57	1.51
AQIA Significant Thresholds	N/A	100	40	40	15	10
Exceedance?	No	No	No	No	No	No

VOC = volatile organic compound; CO = carbon monoxide; NO_x = nitrogen oxides; SO_x = sulfur oxides; PM₁₀ = particulate matter 10 microns or less in diameter; PM_{2.5} = particulate matter 2.5 microns or less in diameter

Table 20
TOTAL ANNUAL OPERATIONAL EMISSIONS FOR PHASE 4 (POST 2110)

Source	Annual Emissions (tons per year)					
	VOC	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
On-site Reclamation	-	-	-	-	2.37	0.24
On-site Bulldozing and overburden	-	-	-	-	0.23	0.12
On-site Delivery trucks and employee trips	0.04	0.16	0.44	0.00	0.01	0.01
On-site Unpaved road dust	-	-	-	-	0.66	0.07
Heavy-duty equipment operations	0.40	2.70	3.95	0.01	0.16	0.15
Off-Site Trucks and Employee Trips	0.05	0.47	3.02	0.01	0.10	0.02
TOTAL PHASE 4	0.49	3.34	7.41	0.02	3.55	0.61
CEQA Significant Thresholds	13.7	100	40	40	15	10
Exceedance?	No	No	No	No	No	No

VOC = volatile organic compound; CO = carbon monoxide; NO_x = nitrogen oxides; SO_x = sulfur oxides; PM₁₀ = particulate matter 10 microns or less in diameter; PM_{2.5} = particulate matter 2.5 microns or less in diameter

The resultant annual emissions would be below the annual threshold for each of the three operational phases and, therefore, would be less than significant under CEQA for all criteria pollutants.

Blasting Impacts

In order to assess the potential impacts on ambient air quality of blasting activities, the USEPA-approved OBODM model was used to assess the impact of gases released during the blast. The OBODM model uses an assumed worst-case meteorological hour to calculate the one-hour average impact of gaseous pollutants created by the explosives, i.e., CO, NO₂, and SO₂. Particulate emissions associated with blasting (i.e., dust created by physical agitation of soil and rock and combustion-related particulates) are already included in the on-site Project activities discussed in the preceding sections of this AQIA. Particulate impacts from blasting were modeled with the AERMOD model as discussed previously.

The OBODM model was run for a meteorological condition of neutral stability and 5 meters per second wind speed. This neutral stability value was chosen because blasting would occur only during the day and atmospheric stability more stable than neutral does not occur during the day. (Turner 1994). In addition, it has been found that neutral, low wind speed conditions tend to yield the largest ambient impacts. The OBODM model has been run for various combinations of unstable and neutral conditions at various wind speeds, and the neutral, 5 meters per second condition yields the largest OBODM modeled concentrations. The OBODM Model results are contained in Appendix E.

Blasting at the site would be conducted using an ANFO mixture. The USEPA has published emission factors for ANFO explosives in AP-42, Chapter 13.3 (USEPA 1980). The emission factors are 67 pounds CO per ton ANFO, 17 pounds NO_x (assumed NO₂) per ton ANFO, and two pounds SO₂ per ton ANFO exploded. The Proposed Project's blasting activities would occur approximately four times per month and each blast will use five tons of ANFO. (The value of

four blasts per month is the maximum; on average there will be 50 blasts per year maximum). The maximum one-hour average ambient air quality impacts of the blasting are as shown in Table 21. Also shown in Table 21 are the impacts for AAQS averaging times. The standard CAPCOA persistence factors were used to convert one-hour averages to standard averaging times. The 1-hour average was multiplied by 0.9 to convert it to 3-hour, 0.7 for eight-hour, 0.4 for 24-hour, and 0.1 for annual averages (CAPCOA 1989). The blasting impacts were added to the background concentrations in order to compare the total impact to standards. The blasting impacts were not added to the point of maximum impacts (PMIs) of operational activities because they occur at different locations. The OBODM model indicates that the maximum impact point for blasting gases is about 800 meters (2,600 feet) downwind of the blast location, not at the Proposed Project's property boundary as occurs for other emissions such as PM₁₀.

Table 21
MAXIMUM IMPACT OF BLASTING

Pollutant	Maximum 1-hour Impact (µg/m ³)	AAQS Averaging Time	Maximum Blasting Impact for AAQS Averaging Time (µg/m ³)	Background (µg/m ³)	Total of Background, Blasting Maximum, and PMI Maximum (µg/m ³)	Most Stringent AAQS (µg/m ³)	Exceeds CAAQS?
CO	92	1-hour	92	3,565	3,657	23,000	No
		8-hour	64	2,489	2,553	10,000	No
NO ₂	23	1-hour	23	15	38	339	No
		Annual	2	3	5	57	No
SO ₂	3	1-hour	3	21	24	196	No
		24-hour	1	11	12	105	No
		Annual	1	8	9	80	No

Note: OBODM dispersion model output sheets and USEPA AP-42 emission factors are provided in Appendix E.
µg/m³ = micrograms per cubic meter

The OBODM model evaluates the potential impact of gases released to the atmosphere as the result of the blast. There is also the possibility that some gases could be trapped below the surface and migrate through cracks or fissures below ground. Carefully designed blasting patterns would minimize the potential for trapped gases. In addition, the geology of the proposed quarry is not conducive to such migration. Finally, the blasting would occur at a considerable distance from any residences or other structures that could be impacted. Thus, there would not be potential adverse effects from potential underground migration of blasting gases.

In addition to the CO, NO₂, and SO₂ emissions identified by the USEPA in AP-42, Chapter 13.3, there is a possibility that some of the ANFO would not be completely combusted in the blast. However, neither ammonium nitrate nor fuel oil are listed as air toxics in California or by the USEPA. Furthermore, carefully designed blasts would consume all of the ANFO. Therefore, potential adverse impacts related to blasting combustion are considered to be less than significant.

Traffic-related CO Concentrations (CO Hot Spot Analysis)

Project-generated vehicle trips would increase traffic volumes at roadway intersections in the Project site vicinity once the Project became operational. During periods of near-calm winds, heavily congested intersections can produce elevated levels of CO that could potentially impact nearby sensitive receptors. CO transport is extremely limited and disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting sensitive receptors such as residents, school children, hospital patients, and the elderly. Therefore, a CO “hot spot” analysis was conducted to determine whether the Proposed Project would contribute to a violation of the ambient air quality standards for CO at any local intersections.

The *Transportation Project-level Carbon Monoxide Protocol* (Caltrans 1998) was followed to determine whether a CO hot spot is likely to form due to Project-generated traffic. In accordance with the Protocol, CO hot spots are typically evaluated when (a) the level of service (LOS) of an intersection decreases to a LOS E or worse; (b) signalization and/or channelization is added to an intersection; and (c) sensitive receptors such as residences, commercial developments, schools, hospitals, etc., are located in the vicinity of the affected intersection. In general, CO “hot spots” would be anticipated near affected intersections because the operation of vehicles in the vicinity of congested intersections involves vehicle stopping and idling for extended periods.

To verify that the Project would not cause or contribute to a violation of the CO standard, a screening evaluation of the potential for CO “hot spots” was conducted. The Traffic Impact Study (Darnell & Associates 2017) evaluated whether or not there would be a decrease in the LOS at the roadways and/or intersections affected by the Project. The potential for CO “hot spots” was evaluated based on the results of the Traffic Impact Study.

The Traffic Impact Study evaluated 10 intersections, 5 roadway segments, and 1 freeway segment in the Project vicinity to evaluate the LOS for Existing, Opening Year 2019, and Cumulative Year 2050. CO “hot spots” would be possible at intersections because intersection traffic is subject to congestion and idling. Based on the traffic analysis, the Project would result in a direct significant impact at the Otay Mesa Road and Alta Road intersection during the AM peak hour under the Opening Year 2019 Plus Project Scenario.

All other intersections operate at an acceptable LOS D or better. California Line Source Dispersion Model (Version 4) (CALINE4) modeling was conducted for the intersection with poor LOS ratings identified above. Modeling was conducted based on the guidance in Appendix F of the Protocol to calculate maximum predicted one-hour CO concentrations. As recommended in the Protocol, predicted one-hour CO concentrations were then scaled to evaluate maximum predicted eight-hour CO concentrations using the recommended scaling factor of 0.7 for urban locations.

Traffic volume inputs to the CALINE4 model were obtained from the Traffic Impact Study. As recommended in the Protocol, receptors were located at sites that were approximately 3 meters from the mixing zone, and at a height of 1.8 meters. For conservative purposes, emission factors from the EMFAC2017 model for the year 2020 were used in the CALINE4 model.

In accordance with the Protocol, it is also necessary to estimate future background CO concentrations in the Project vicinity to determine the potential impact plus background and evaluate the potential for CO “hot spots” caused by the Project. The existing maximum one-hour and eight-hour background concentrations of CO that was measured at the Chula Vista monitoring station of 1.6 and 1.3 ppm were used to represent future maximum background one-hour and eight-hour CO concentrations, respectively. CO concentrations in the future may be lower as inspection and maintenance programs and more stringent emission controls are placed on vehicles.

The CALINE4 model outputs are provided in Appendix F of this report. Table 22 presents a summary of the predicted CO concentrations (impact plus background) for the intersection evaluated for the Opening Year Plus Project traffic for the affected intersection. As shown in Table 22, the predicted CO concentrations would be substantially below the one-hour and eight-hour NAAQS and CAAQS for CO shown in Table 2 of this report. Therefore, no exceedances of the CO standard are predicted, and the Project would not cause or contribute to a violation of the air quality standard. As shown in Table 22, all impacts, when added to background CO concentrations, would be below the CAAQS (and therefore, NAAQS) for both the one-hour and eight-hour averaging periods; therefore, the Project would not result in a significant impact for CO.

Table 22 CO “HOT SPOTS” MODELING RESULTS – HORIZON YEAR CONDITIONS WITH PROJECT (2020)			
Intersection	Maximum 1-hour CO Concentration Plus Background (ppm)		Maximum 8-hour CO Concentration Plus Background (ppm)
	a.m.	p.m.	
Otay Mesa Road/Alta Road	2.2	2.1	1.7
AAQS Standard	20	20	9
Exceedance?	No	No	No

CALINE4 dispersion model output sheets and EMFAC2011 emission factors are provided in Appendix F.

Peak hour traffic volumes are based on the Traffic Impact Study prepared for the Project by Darnell & Associates (2017).

Highest three years APCD (2014-2016) 1-hour ambient background concentration (1.6 ppm) + 2020 modeled CO 1-hour contribution.

Highest three years APCD 8-hour ambient background concentration (1.3 ppm) + 2020 modeled CO 8-hour contribution.

CO = carbon monoxide; ppm = parts per million

4.2.2.3 Control Measures and Design Considerations

The Proposed Project would employ the CARB off-road equipment regulation and dust control measures specified in Section 1.2.3.5 above. In accordance with CARB’s requirements, the Project would require the on-road trucks to meet the CARB Truck and Bus regulations and off-road equipment fleet to use CARB off-road equipment regulation.

The standard fugitive dust control measures listed in Section 4.2.1.3 are required as part of aggregate mining operation are incorporated into the Project design and were taken into account when calculating construction emissions.

4.2.2.4 Conclusions

As shown in Table 15, the peak daily operational NO_x emissions during Phase 2 would exceed the daily threshold and, therefore, would result in a significant impact under CEQA. The majority of the Phase 2 emissions are a direct result of off-site truck trips. As described previously, the aggregate produced by the Proposed Project would reduce demand on other aggregate operations currently supplying materials over a longer distance. An independent market analysis has estimated that the total distance from the other distant quarries to south is approximately 29 miles (see Appendix H). The average distance for the Proposed Project site is 10 miles. The difference in the trip length between the local and regional trips would help reduce the emissions from the truck trips. Nevertheless, the Project would result in a significant and unavoidable operational impact to related to emissions of NO_x during Phase 2. Emissions of all other criteria pollutants would be below the screening-level and significant thresholds for Project operations and, therefore, would be less than significant under CEQA.

4.3 Cumulatively Considerable Net Increase of Criteria Pollutants

4.3.1 Construction Impacts

4.3.1.1 *Guidelines for the Determination of Significance*

Guidelines

- *Would the project construction result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation?*
- *Would the project result in emissions that exceed 250 pounds per day of NO_x, or 75 pounds per day of VOCs?*
- *Would the project result in emissions of PM_{2.5} that exceed 55 pounds per day?*

Issue Background

Based on the County Guidelines (2007), a project would result in a cumulatively significant impact if the project results in a significant contribution to the cumulative increase in pollutants for which the SDAB is listed as nonattainment for the CAAQS and NAAQS. As discussed in Section 2.0, the SDAB is considered a nonattainment area for the NAAQS for ozone and the CAAQS for ozone, PM₁₀, and PM_{2.5}.

Cumulatively considerable net increases during the construction phase would typically happen if two or more projects near each other are simultaneously constructing projects. A project that has a significant direct impact on air quality with regard to emissions of CO, PM₁₀, PM_{2.5}, NO_x, or VOCs during construction would also have a significant cumulatively considerable net increase. In the event direct impacts from a proposed project are less than significant, a project may still have a cumulatively considerable impact on air quality if the emissions of concern from the proposed project, in combination with the emissions of concern from other proposed or

reasonably foreseeable future projects within a proximity relevant to the pollutants of concern, are in excess of the guidelines identified in Section 3.0.

4.3.1.2 Significance of Impacts Prior to Mitigation

Although the environmental effects of an individual project may not be significant when that project is considered independently, the combined effects of several projects may be significant when considered collectively. Section 15130(a) of the State CEQA Guidelines requires that an EIR address significant cumulative impacts. According to this section of CEQA, the discussion of cumulative impacts “...need not provide as great a detail as is provided for the effects attributable to the project alone. The discussion should be guided by the standards of practicality and reasonableness.” The discussion should also focus only on significant effects resulting from the project’s incremental effects and the effects of other projects. If the environmental conditions would essentially be the same with or without the proposed project’s contribution, then it may be concluded that the effect is not significant. According to Section 15130(a)(1), “an EIR should not discuss impacts which do not result in part from the project evaluated in the EIR.” The basis for the analysis of cumulative impacts is dependent on the nature of the issue.

Cumulative impact analysis may be conducted and presented by either of two methods: (1) a list of past, present, and probable activities producing related or cumulative impacts; or (2) a summary of projections contained in an adopted general plan or related planning document. The summary approach was utilized for the near-term analysis presented below. The cumulative impacts of past, present, and probable future projects that have occurred or will likely occur in the Project site’s proximity (known as “cumulative projects”) are addressed below.

As discussed in Section 4.2.1.4, Project emissions of VOC, NO_x, CO, PM₁₀, and PM_{2.5} during construction would be below the screening-level thresholds and would result in a less than significant air quality impact. Based on the information from Table 5-1 of the Draft Environmental Impact Report/Draft Environmental Impact Statement for the Project, there are 71 cumulative projects expected to contribute to the overall growth in the OSP area.

The SDAB has been designated as a federal nonattainment area for O₃, and a state nonattainment area for O₃, PM₁₀, and PM_{2.5}. PM₁₀ and PM_{2.5} emissions associated with construction generally result in near-field impacts. The nonattainment status is the result of cumulative emissions from all sources of these air pollutants and their precursors within the SDAB. As discussed above, the emissions of all criteria pollutants, including PM₁₀ and PM_{2.5}, would be well below the significance levels. Construction would be temporary and consistent with the size and scale of the Proposed Project. Construction activities required for the implementation of the Proposed Project would not result in significant impacts to air quality. While it is likely that construction associated with several other projects would occur in the general vicinity of the Proposed Project, the Project’s contribution to the net cumulative emissions would be minimal due to construction practices that would keep emissions well below the significance thresholds for these pollutants. Therefore, the Project’s contribution to cumulative construction emissions would be less than significant.

4.3.1.3 Mitigation Measures and Design Considerations

No mitigation measure is required. Control measures for construction are discussed in Section 4.2.1.3. As discussed in that section, implementation of standard construction mitigation measures controlling fugitive dust emissions would minimize the Project's contribution to cumulative air quality impacts from construction activities.

4.3.1.4 Conclusions

It is anticipated that the construction of the Proposed Project would not result in a cumulatively considerable net increase in emissions of CO, VOC, NO_x, PM₁₀ and PM_{2.5}. Impacts would be less than significant.

4.3.2 Operational Impacts

4.3.2.1 Guidelines for the Determination of Significance

Guidelines

- *Would the project conform to the RAQS and/or have a significant direct impact on air quality with regard to operational emissions of PM₁₀, PM_{2.5}, NO_x, and/or VOCs, which would also have a significant cumulatively considerable net increase in these emissions?*
- *Would the project cause road intersections or roadway segments to operate at or below LOS E and create a CO hot spot that would result in a cumulatively considerable net increase of CO?*

Issue Background

As discussed above, based on the County Guidelines (2007), a project would result in a cumulatively significant impact if the project results in a significant contribution to the cumulative increase in NO_x, VOCs, PM₁₀, and PM_{2.5}. In accordance with the guidelines, a project that does not conform to the RAQS and/or has a significant direct impact on air quality with regard to operational emissions of nonattainment pollutants would also have a cumulatively considerable net increase.

In analyzing cumulative impacts from the Proposed Project, the analysis must specifically evaluate a project's contribution to the cumulative increase in pollutants for which the SDAB is designated as nonattainment for the CAAQS and NAAQS. If the Proposed Project does not exceed thresholds and is determined to have less than significant Project-specific impacts, it may still contribute to a significant cumulative impact on air quality if the emissions from the Project, in combination with the emissions from other proposed or reasonably foreseeable future projects, are in excess of established thresholds. However, the Project would only be considered to have a significant cumulative impact if the Project's contribution accounts for a significant proportion of the cumulative total emissions (i.e., it represents a "cumulatively considerable contribution" to the cumulative air quality impact).

4.3.2.2 Significance of Impacts Prior to Mitigation

As stated in Section 4.1.2, the RAQS relies on SANDAG's growth projections based on population, vehicle trends, and land use plans developed by the cities and by the County as part of the development of their general plans. As such, projects that propose quarry that is consistent with the growth anticipated by local plans would be consistent with the RAQS. Because the Proposed Project is located within San Diego County, the transportation required to move the aggregate would largely be affected by regional truck trips. There are approximately nine active quarry mines located within San Diego County; a number of these facilities will be closing in the near future due to the depletion of the aggregate material. Any quarry installed outside of San Diego County would require longer truck trips, and thereby increasing the cost of aggregate supply. The truck trips from the Project site would consist of reallocated truck trips from other closed mines that are no longer producing material to be transported. As these newly allocated trips would still be from a location within the County to project sites within the County, the average miles traveled per truck trip should remain fairly constant.

The Project does not include a residential component; therefore, no direct population growth would result from the Project as compared to what was accounted for in the development of the RAQS. Additionally, and as set forth above, the development would reduce regional VMT and the new employment opportunities resulting from Project would improve the current jobs-to-housing ratio by providing jobs to local residents. While the place of residence of the persons accepting employment provided by the proposed uses is uncertain, it is reasonable that a large percentage of these jobs would be filled by persons already living within the surrounding area; therefore, employment projections would remain consistent with regional growth projections and, therefore, consistent with the RAQS.

As shown in Table 22 in the previous Section 4.2.2.2, the predicted CO concentrations would be substantially below the one-hour and eight-hour NAAQS and CAAQS for CO. Therefore, no exceedance of the CO standard at any intersections are predicted to occur under the cumulative year 2020 conditions, and the Project would not cause or contribute to a violation of the air quality standard.

As discussed in Section 4.2.2.2, Phase 2 operational NO_x emissions would exceed the screening-level threshold. Based on the analysis presented in Section 4.1, the Project would be consistent with the RAQS and SIP. It was demonstrated in Section 4.2.2.2 that operational emissions would result in a significant and unavoidable impact during Phase 2 operations. Therefore, the Proposed Project would contribute to a cumulatively considerable net increase in emissions.

4.3.2.3 Mitigation Measures and Design Considerations

No additional mitigation is available.

4.3.2.4 Conclusions

As shown in Table 15, the peak daily operational NO_x emissions during Phase 2 would exceed the daily threshold and, therefore, would contribute to a cumulatively considerable net increase in emissions. The majority of the Phase 2 emissions are a direct result of onsite blasting and

off-site truck trips. Due to the nature of operations of the Project, no feasible mitigation is available. It is important to note this impact would be temporary and only occur during Phase 2. Furthermore, as described previously, the aggregate produced by the Proposed Project would reduce demand on other aggregate operations currently supplying materials over a longer distance. An independent market analysis has estimated that the total distance from other quarries in San Diego County to the Otay Hills Quarry market area is approximately 29 miles (see Appendix H). The average distance to the market area from the Proposed Project site is 10 miles. The difference in the trip length between the local and regional trips would help reduce the emissions from the truck trips. Nevertheless, the Project would result in a significant and unavoidable cumulatively considerable impact to related to emissions of NO_x during Phase 2.

4.4 Impacts to Sensitive Receptors

4.4.1 Guidelines for the Determination of Significance

4.4.1.1 Guidelines

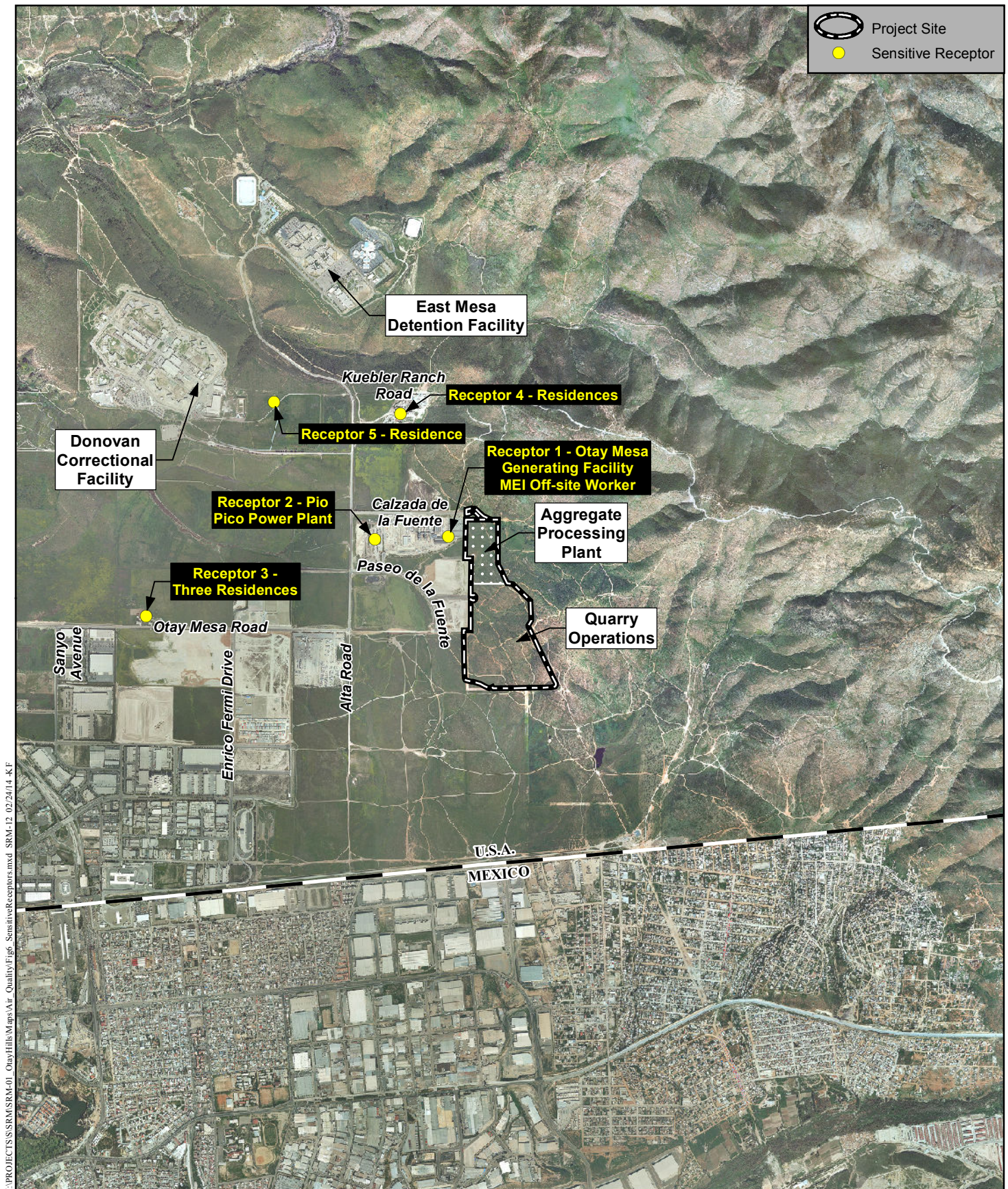
The project places sensitive receptors near CO “hot spots” or creates CO “hot spots” near sensitive receptors.

Project implementation will result in exposure to TACs resulting in a maximum incremental cancer risk greater than 10 in 1 million with application of T-BACT or a health hazard index greater than one would be deemed as having a potentially significant impact.

4.4.1.2 Issue Background

Air quality regulators typically define “sensitive receptors” as schools, hospitals, resident care facilities, day-care centers, or other facilities that may house individuals with health conditions that would be adversely impacted by changes in air quality. However, for the purpose of CEQA analysis, the County definition of “sensitive receptors” also includes residences (County 2007). Figure 6 presents the location of the sensitive receptors (residences). Approximately one-half mile southwest of the Project site, three existing houses are adjacent to each other on Otay Mesa Road. The primary emission of concern for impacts to sensitive receptors is DPM. Other TACs includes arsenic, beryllium, cadmium, hexavalent chromium, chromium, copper, lead, manganese, mercury, nickel, and selenium.

The CARB identified DPM as a TAC in 1998. Mobile sources (including trucks, buses, automobiles, trains, ships, and farm equipment) are by far the largest source of diesel emissions. Diesel exhaust is emitted from a broad range of on- and off-road diesel engines. The exhaust from diesel engines includes hundreds of different gaseous and particulate components, many of which are toxic. Diesel exhaust is comprised of two phases (gas and particulate) and both contribute to the risk. The gas phase is composed of many of the urban hazardous air pollutants such as acetaldehyde, acrolein, benzene, 1,3-butadiene, formaldehyde, and polycyclic aromatic hydrocarbons. The particulate phase has many different types that can be classified by size of composition. The size of diesel particulates of greatest health concern is fine and ultra-fine



Location of Sensitive Receptors

OTAY HILLS

particles. These particulates may be composed of elemental carbon with absorbed compounds such as organic, sulfates, nitrates, metals, and other trace elements.

Diesel exhaust is likely to be carcinogenic to humans by inhalation from environmental exposures. Diesel exhaust, as reviewed in this document, is the combination of DPM and diesel exhaust organic gases. Diesel exhaust also results in chronic respiratory effects, possibly the primary noncancer hazard. Prolonged exposures may impair pulmonary function and could produce symptoms such as cough, phlegm, and chronic bronchitis. Exposure relationships have not been developed from these studies.

Cancer risk is the probability or chance of contracting cancer. Carcinogens are not assumed to have a threshold below which there would be no human health impact. In other words, any exposure to a carcinogen is assumed to have some probability of causing cancer; the lower the exposure, the lower the cancer risk. Under various state and local regulations, an incremental cancer risk greater than 10 in 1 million due to a project is considered to be a significant impact on public health. For example, the 10 in 1 million risk level is used by the Air Toxics Hot Spots (Assembly Bill [AB] 2588) program and California's Proposition 65 as the public notification level for air toxic emissions from existing sources. The SDAPCD also uses the 10 in 1 million criteria in evaluating the significance of potential increased cancer risk from a project.

Non-cancer health effects can be either acute (short term) or chronic (long term). In determining potential non-cancer health risks (chronic and acute) from air toxics, it is assumed there is a dose of the chemical of concern below which there would be no impact on human health. The air concentration corresponding to this dose is called the REL. Non-cancer health risks are measured in terms of an HI, which is the calculated exposure of each contaminant divided by its REL.

Hazard indices for pollutants affecting the same target organ are typically summed with the resulting totals expressed as an total HI for each organ system. An HI of less than 1.0 is considered to be a less-than-significant health risk. In evaluating non-cancer health effects, the SDAPCD uses a significance threshold 1.0 for the HI, with a HI of greater than 1.0 being considered as having a significant impact.

Chronic toxicity is defined as adverse health effects from prolonged chemical exposure, caused by chemicals accumulating in the body. Because chemical accumulation to toxic levels typically occurs slowly, symptoms of chronic effects usually do not appear until long after exposure commences. The lowest no-effect chronic exposure level for a non-carcinogenic air toxic is the chronic REL. Below this threshold, the body is capable of eliminating or detoxifying the chemical rapidly enough to prevent its accumulation. The chronic HI is calculated as the exposure of each contaminant (annual concentration) divided by its REL.

Acute toxicity is defined as adverse health effects caused by a brief chemical exposure of no more than 24 hours. For most chemicals, the air concentration required to produce acute effects is higher than the level required to produce chronic effects because the duration of exposure is shorter. Maximum one-hour average concentrations are divided by acute RELs to obtain an HI for health effects caused by relatively high, short-term exposure to air toxics.

The USEPA's air dispersion model AERMOD, version 18081, was used to predict the dispersion of toxic emissions from the Proposed Project. All regulatory default options and the rural dispersion algorithm of the AERMOD model were conservatively used in this analysis. SDAPCD approved meteorological data for the nearest meteorological station for the latest years available (2015-2017) was used in AERMOD. Special discrete receptors were placed within 3 kilometers (1.86 miles) around the project boundary to represent the actual nearest residences.

AERMOD output files were pre-processed in Harp-on-Ramp model to create XOQ and SRC files. In assessing potential cancer and non-cancer health effects for operation of the Proposed Project, the CARB's HARP computer program and associated OEHHHA health risk evaluation guidance (OEHHHA 2015) were used. The HARP model was used to evaluate multi-pathway exposure to toxic substances from the Proposed Project. The potential exposure pathways included inhalation, dermal (skin) exposure, soil ingestion, ingestion of homegrown produce, and mother's milk, as appropriate for an individual chemical. Because of the conservatism (over prediction) built into the established risk analysis methodology, the actual risks are expected to be lower than those estimated.

The cancer and non-cancer health risks from the Project were estimated by conducting dispersion modeling of the TAC emissions and calculating health risks with the HARP model following OEHHHA health risk guidance. Details of the modeling methodology and health risk calculations are contained in Appendix G.

4.4.2 Significance of Impacts Prior to Mitigation

4.4.2.1 Construction-related Diesel Particulate Matter

Health risk assessments for diesel engine particulate matter are typically conducted for areas that would expose sensitive receptors to high concentrations of diesel engine particulate over a long period of time. Per guidelines of the OEHHHA and the CAPCOA, estimating the cancer risk from diesel engine particulate is typically not required for construction activities, as they occur for a short period of time (i.e., less than one year) and, therefore, would not measurably increase cancer risk (e.g., less than 9 years for school children, 25 years for off-site workers, and 30 years for residences).

Therefore, construction of the Proposed Project is not anticipated to result in an elevated health risk to exposed persons given the one-year temporary and transitory nature of construction-related diesel exposure. Consequently, the human health impact of diesel risks associated with construction activities is considered to be less than significant.

4.4.2.2 Operation-related TAC Health Risk

Toxic Air Contaminant Emissions

Sources of TACs from existing and future quarry operation include diesel-fueled off-road mobile equipment, diesel generators, and diesel-fueled haul trucks traveling on and off site. DPM is emitted from all these sources. At the asphalt plant, the drum dryer and hot oil heater would emit

DPM because they would combust diesel fuel. Other sources of DPM at the asphalt plant would include diesel-fueled mobile equipment and haul trucks. Other TACS, in the form of metals and organic hydrocarbons, would be emitted from the drum dryer, hot oil heater, asphalt oil storage tanks, asphalt storage silos, from load out of asphalt into trucks, and from fugitive dust sources such as open storage piles, travel on unpaved roads, and rock crushing.

The CARB-approved HARP model (Version 2) was used to evaluate the potential health effects from TACS. The HARP average point-estimate was used in the analysis. The HARP model runs are included in Appendix G.

HRA Analysis

All known TACS such as arsenic, beryllium, cadmium, hexavalent chromium, chromium, copper, DPM, lead, manganese, mercury, nickel, and selenium were evaluated following the latest guidance outlined in the *Air Toxics Hot Spots Program Risk Assessment Guidelines* (OEHHA, 2015). Following detailed dispersion modeling utilizing the U.S. EPA's AERMOD dispersion model, the CARB Hotspots Analysis and Reporting Program (HARP), Version 2 was used for HRA modeling to determine health risks associated with exposure to TACS.

To evaluate air impact from the facility operation, AERMOD was run assuming a variety of area, volume, and point sources. Fugitive emissions from each of the storage piles, the diesel storage tank, and recycled materials plant, along with diesel exhaust emission associated with heavy duty off road equipment were modeled as individual area sources. Exhaust emissions associated with aggregate delivery trucks traveling offsite along with exhaust and fugitive emissions associated with onsite haul road equipment and truck travel were modeled as line volume sources. Individual point sources were assigned to various sources including the hot mix asphalt dryer and hot oil heater. Aggregate screens, conveyor transfer points, and crushers, were modeled as volume sources.

The HARP Risk Module predicts health impacts in terms of cancer risk, hazard index for acute, and hazard index for chronic by factoring AERMOD-predicted pollutant concentrations by pollutant-specific cancer potency values and chronic/ acute REL obtained from OEHHA. Acute and chronic RELs and cancer URFs have been published by OEHHA for many of the chemicals. If the Risk Score for each is less than 1.0, then the chemical is deemed not to pose a potential for acute or noncancer chronic health effects.

The acute, chronic, and cancer risk modeling were applied to the air toxics that could be emitted from the Proposed Project for which RELs and URFs were published by the OEHHA. The modeling was done for Phases 2 and 3 operations, because the Phases 2 and 3 emissions are generally higher than Phases 1 and 4.

Potential chronic health effects from construction are of short duration (on the order of one to two years), so the exposure is one to three percent of that assumed in the REL and URF factors. However, a health risk assessment for construction was not necessary for this study.

The potential for health effects at actual receptors where there is a potential for exposure is termed an MEI analysis. For noncancer effects, the HI is calculated, and if the HI is less than 1.0,

then there is not a potential for non-cancer health effects. The HI is normally calculated assuming that both workers and residences are exposed continuously for a lifetime. Thus, the annual average concentration is divided by the REL to calculate a chronic HI, with no adjustment for worker versus residential exposure. Because the HI is the ratio of the exposed concentration to the REL, the HI is can be converted to a percent of the REL by multiplying by 100. That is, an HI of 0.02 is 2 percent of the REL.

For potential carcinogenic effects, the incremental cancer risk as the result of the exposure is calculated. For residential exposure, it is assumed that the person is exposed continuously to the maximum concentration for 30 years. In actuality, people rarely reside at the same location for 30 years and are never continuously exposed to the maximum concentration. To calculate the incremental cancer risk, the URF is multiplied by the chronic (annual) concentration. The URF expresses the probability that a person could contract cancer if the person were exposed to one microgram per cubic meter of the pollutant continuously for a lifetime. The URFs are based on a 70-year exposure applicable to residences. In addition, workers do not work in the same place for 70 years.

There are various systems to account for worker versus residential exposure. Two components that determine the worker exposure to facility emissions include the estimated concentration the worker is exposed to during the work shift and the amount of time the worker's schedule overlaps with the facility's emission schedule. To estimate the modeled concentration the worker is breathing during the work shift, a worker adjustment factor is used to approximate what the worker is breathing based on the modeling run used for residential receptors. The HARP software uses a worker adjustment factor in calculating worker impacts.

Cancer risk probability is often expressed as the number of cases of cancer that could occur if one million persons were exposed. This is calculated by multiplying the cancer risk times one million. Cancer risks less than 1 in 1 million or 10 in 1 million with T-BACT are considered acceptable by the SDAPCD under Rule 1201. The results for Phases 2 and 3 operational activities are shown in Table 23 for HI and for cancer risk. The chronic and acute HIs are less than 1.0 and the cancer risk is less than 10 in 1 million. The results in Table 23 for the MEI off-site worker are overstated by a very large margin, as the maximum impacted receptor, Otay Mesa Power Plant, which is a peaking power plant, is not continuously operated. Therefore, the worker exposure adjustment factor is much less than 0.20.

Table 23 CANCER RISK AND HAZARD INDEX AT THE MAXIMUM EXPOSED INDIVIDUALS FOR PHASES 2 AND 3 OPERATIONAL ACTIVITIES		
	MEI Off-site Worker	MEI Residence
Location of MEI	Otay Mesa Generating Project	Kuebler Ranch Residence
Cancer Risk per 1 Million Persons Exposed	4.42	5.92
Exceed 10 in 1 Million Threshold?	No	No
Chronic Hazard Index	0.38	0.06
Exceed HI of 1?	No	No
Acute Hazard Index	0.29	0.15
Exceed HI of 1?	No	No

4.4.3 Mitigation Measures and Design Considerations

Because the screening health risk modeling showed that operations-period TAC emissions would result in emissions leading to a health risk factor of less than 10 in 1 million, no additional design consideration or mitigation is required.

4.4.4 Conclusions

Impacts to nearby sensitive receptors would be less than significant.

4.5 Odor Impacts

4.5.1 Guidelines for the Determination of Significance

Based on the County Guidelines (2007), a project would have a significant impact if it would generate objectionable odors or place sensitive receptors next to existing objectionable odors that would affect a considerable number of persons or the public. While offensive odors rarely cause any physical harm, they can be very unpleasant, leading to considerable distress among the public and often generating citizen complaints to local governments and air districts. Any project with the potential to frequently expose the public to objectionable odors would be deemed as one having a significant impact. Odor impacts on residential areas and other sensitive receptors warrant the closest scrutiny; but consideration should also be given to other land uses where people may congregate, such as recreational parks, etc.

The Environmental Checklist (Appendix G) of the California Environmental Quality Act (CEQA) Guidelines indicates that a project would have a significant air quality impact if it would create objectionable odors affecting a substantial number of people. Potential impacts associated with odor nuisance were determined through consideration of the Project's potential odor sources and proximity of residences or other land uses where individuals could be sensitive to odors.

4.5.2 Significance of Impacts Prior to Mitigation

According to the County's Zoning Ordinance, Section 6318, "all commercial and industrial uses shall be so operated as to not emit matter causing unpleasant odors which are perceptible by the average person at or beyond any lot line of the lot containing said uses." In general, this ordinance applies to industrial land uses. The mining operation itself would not be a source of odor impacts. According to the SCAQMD's CEQA Air Quality Handbook, land uses associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting activities, refineries, landfills, dairies, and fiberglass molding operations. These objectionable odors-related land uses are not proposed for the Project.

Minor odors would be generated from vehicles and/or equipment exhaust emissions during construction of the Proposed Project. Odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of heavy-duty equipment and vehicles. Such odors are temporary and may create an occasional "whiff" of diesel exhaust that would not affect substantial numbers of people.

The Project would generate potential odors and gaseous fumes by evaporative emissions and tailpipe emissions from vehicles and diesel-powered equipment during operations. Odor impacts would be limited to the traffic circulation routes and unloading/loading areas. Odors associated with diesel exhaust may be detectable for a short period, but would not be located in a singular area and would quickly disperse.

Operation of the asphalt plant, the only major odor source for the Proposed Project, would emit a number of hydrocarbon compounds that are considered by many people to be objectionable. Hydrogen sulfide (H₂S) is the most emissive hydrocarbon compound from hot mix asphalt operation. Emissions of odorous H₂S compounds would be reduced by implementation of BACT such as fiber bed mist collectors, as required by the SDAPCD. However, odors would still be emitted from the facility even with these controls.

Odor produced from a project that creates an odor nuisance pursuant to SDAPCD Rule 51 is considered a potential significant impact. The nearest residence to the proposed asphalt plant site is located approximately two miles away. Although odor has been associated with asphalt plants in the past, modern emission control techniques required by SDAPCD regulations and silo storage vented through a baghouse greatly reduce the potential for odors. The facility would practice a "blue smoke" program whereby routine visual inspection of the plant is conducted to ensure that there are not significant sources of fugitive emissions; the facility operators also would practice other nationally accepted practices that reduce the potential for odor from asphalt production.

It is also noted that the asphalt plant would have to obtain an authority to construct and permit to operate from the SDAPCD. As part of the permitting process, the Applicant would need to demonstrate to the satisfaction of the SDAPCD permitting staff that the plant would be equipped with BACT for controlling air emissions. Although the odors from the asphalt plant are not likely to cause a nuisance, the wind direction is favorable to nearby residents, and the asphalt plant design would reduce odor to insubstantial levels.

A blue smoke control method would apply to all plant components which would entail collecting and transporting hydrocarbon-laden air. Individual pieces of the blue smoke control system must all work together to form a scavenger system. This involves:

- Sealing all material transfer points to trap blue smoke (from dryer to silo, and from silo to hopper for haul trucks),
- Ductwork to transport smoke from collection points (from the dryer exhaust stack, silo tops, and the truck loadout zone) to the chosen disposal method,
- Utilizing separate scavenger fan to convey captured emissions through the ductwork, and
- Installing dampers within the ductwork to control airflow.

Blue smoke systems are likely to become a standard pollution control device for the hot-mix asphalt facility.

Because odor-producing operations are monitored, impacts to adjacent sensitive receptors (the nearest of which is located about two miles away) are not anticipated. Because of truck travel associated with the asphalt oil that is delivered to the Project site and the asphalt product that is transported from the Project site to a construction site is essentially all on the freeway, the trucks are traveling at relatively high speeds. At freeway speeds, odor is not detected because of the rapid dispersion of any potential odor-causing chemicals. When the asphalt trucks are traveling at low speed on local arterial thoroughfares, there may be a brief detectable local asphalt odor.

During Phase 4 of the Proposed Project, the open pit would be backfilled with inert fill dirt material. The rate of backfill is estimated at 500,000 cy per year. All fill material would be inspected upon arrival to ensure that contaminated soils or garbage are not present. Only clean demolition materials from redevelopment projects would be considered as an inert fill material.

No sanitary waste would be disposed at the Project site, as all sanitary waste must be disposed at other local sanitary landfills or hauled to locations where sanitary waste receiver sites are available. The inert dirt fill materials would not generate any odors at the Proposed Project site.

Neither on-site diesel exhaust nor diesel exhaust odors from local arterial is anticipated to occur on the nearest residence located approximately two miles from the Project site.

In summary, based on the temporary and de-localized nature of odorific emissions during construction and from mobile equipment, odor impacts associated with construction and operation of the Project would not be adverse. Further, best management practices and Project features such as fiber bed mist collectors and blue smoke control systems would reduce odors associated with quarry operation to a less than significant level.

4.5.3 Mitigation Measures and Design Considerations

Blue smoke system would be a standard pollution control device for the hot-mix asphalt facility, which will help control hydrocarbon emissions, including hydrogen sulfide. The blue smoke control system would include but not limited to:

- Sealing all material transfer points to trap blue smoke (from dryer to silo, and from silo to hopper for haul trucks),
- Ductwork to transport smoke from collection points (from the dryer exhaust stack, silo tops, and the truck loadout zone) to the chosen disposal method,
- Utilizing separate scavenger fan to convey captured emissions through the ductwork, and
- Installing dampers within the ductwork to control airflow.

Because the Project would not generate objectionable odors or place sensitive receptors near existing odor sources that would affect a considerable number of persons or the public, no mitigation measures or additional design considerations are required.

4.5.4 Conclusions

Due to the nature of the Project, there are no significant odorous air emissions anticipated from normal operations at the Project site. Impacts associated with the Project construction and operation would be less than significant.

5.0 SUMMARY OF RECOMMENDED DESIGN FEATURES, IMPACTS AND MITIGATION

In summary, the Proposed Project would result in the emission of air pollutants during the construction and operational phases of the Project. The AQIA evaluated the potential for adverse impacts to the ambient air quality due to construction and operational emissions. Operational emissions would include emissions associated with fugitive dust, heavy equipment, workers commuting to and from the site, and haul truck trips.

The Proposed Project would comply with the SDAPCD Rules and Regulations. According to the SDAPCD Rule 55 – Fugitive Dust Control, it states that no dust and/or dirt shall leave the property line, as follows:

- (1) Airborne Dust Beyond the Property Line: No person shall engage in construction or demolition activity subject to this rule in a manner that discharges visible dust emissions into the atmosphere beyond the property line for a period or periods aggregating more than 3 minutes in any 60-minute period.

(2) Track-Out/Carry-Out: Visible roadway dust as a result of active operations, spillage from transport trucks, erosion, or track-out/carry-out shall:

- (i) be minimized by the use of any of the following or equally effective track-out/carry-out and erosion control measures that apply to the project or operation:
 - (a) track-out grates or gravel beds at each egress point,
 - (b) wheel-washing at each egress during muddy conditions, soil binders, chemical soil stabilizers, geotextiles, mulching, or seeding; and for outbound transport trucks:
 - (c) using secured tarps or cargo covering, watering, or treating of transported material; and
- (ii) be removed at the conclusion of each work day when active operations cease, or every 24 hours for continuous operations. If a street sweeper is used on public roads to remove any track-out/carry-out, only PM₁₀-efficient street sweepers certified to meet the most current SCAQMD Rule 1186 requirements shall be used. The use of blowers for removal of track-out/carry-out is prohibited under any circumstances.

Being consistent with the Rule 55 requirements, the measures that are incorporated into the Project design to reduce emissions associated with construction include the following:

- A minimum of three applications of water during grading between dozer/scrapper passes – reduces PM₁₀ emissions by 61 percent;
- Use of sweepers or water trucks to remove “track-out” at any point of public street access – reduces PM₁₀ emissions by 25 percent; and
- Stabilization of storage piles by sprinkling watering, tarps, fencing or other erosion control – reduces PM₁₀ emissions by 30 percent.

The measures listed above constitute BMPs for dust control, diesel particulate, and construction equipment emissions. With the implementation of the fugitive dust control measures, the phased operational impacts are less than significant.

Superior’s design for the operation of the Proposed Project includes the implementation of the following measures, some of which fall under the required BACT guidelines. These designs were included in the air quality modeling and assessment discussed below.

- Installation of baghouse emission control on cone crusher and impact crushers with the potential for emissions. This reduces PM₁₀ emissions by estimated between 95 and 99 percent (NIOSH 2012).
- Installation of water spray emission controls on transfer points with the potential for emissions that are associated with the conveyors and screens. This reduces emissions by estimated 75 percent (NIOSH 2012).

- Paved access roads for the majority of the haul routes used by on-road delivery vehicles. Limited on-site haul roads will be unpaved, and those will be chemically stabilized and/or routinely watered.
- Installation of an efficient material loading system to minimize the amount of product delivery trucks idling time.
- Utilization of material load-out chutes to minimize the potential for dust generation during product loading.
- Use of off-road equipment (such as off-road quarry haul trucks, loaders, graders, etc.) that meet required, stringent emission controls under USEPA and CARB off-road diesel vehicle regulations.
- Installation of emission controls on drilling equipment to minimize dust generation.
 - Hot Mix Asphalt Plant: Compliance with APCD permits would require the use of BACT, such as fiber bed mist collectors, which would ensure a relatively emission- and dust-free operation. A blue smoke control method would apply to all plant components which would entail collecting and transporting hydrocarbon-laden air. Individual pieces of the blue smoke control system must all work together to form a scavenger system. This involves sealing all material transfer points to trap blue smoke (from dryer to silo, and from silo to hopper for haul trucks),
 - Ductwork to transport smoke from collection points (from the dryer exhaust stack, silo tops, and the truck loadout zone) to the chosen disposal method,
 - Utilizing separate scavenger fan to convey captured emissions through the ductwork, and
 - Installing dampers within the ductwork to control airflow.

Blue smoke systems are likely to become a standard pollution control device for the hot-mix asphalt facility.

- Concrete Batch Plant: Compliance with APCD permits would require the use of BACT, such as baghouse dust collectors, which would ensure a relatively emission- and dust-free operation. Baghouse dust collectors capture the particulate matter in an airstream by forcing the airflow through filter bags.
 - 90 percent efficient Fabric or Cartridge type vent filters on silos.
 - Enclosed aggregate and cement weigh hoppers, screw conveyors and concrete batcher vented to a 90 percent efficient fabric filter baghouse.
 - Flexible shroud which seals to the truck along with a water sprinkler system used when dry products are mixed.

- Shroud vented to 90 percent efficient fabric filter baghouse

All heavy duty off-road equipment operating on the Project site should meet CARB's Off-road Vehicle Regulations with a minimum of Tier 2 engines for Phases 1 and 2 and a minimum of Tier 4 engines for Phases 3 and 4. In addition, all off-road equipment shall be outfitted with BACT devices certified by the CARB. Any emissions control device used by the contractor and/or operator shall achieve emissions reductions that are no less than what could be achieved by a Level 2 diesel emissions control strategy for a similarly sized engine as defined by the CARB regulations.

The On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation requires diesel trucks that operate in California to be upgraded to reduce emissions. Heavier trucks must be retrofitted with PM filters beginning January 1, 2012, and older trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks will need to have 2010 model year engines or equivalent. The regulation applies to nearly all privately and federally owned diesel fueled trucks with a gross vehicle weight rating (GVWR) greater than 14,000 pounds.

Portable engines such as generator sets are regulated by an air toxic control measure that limits diesel particulate matter and must be registered under the Portable Equipment Registration Program (PERP) or comply with local air district permit.

Also, because the Project is consistent with the General Plan and would not exceed the growth projections in the SANDAG growth forecasts for the OSP Area, impacts associated with Project potential interference with the RAQS would be less than significant.

The peak daily operational NO_x emissions during Phase 2 would exceed the daily threshold and would, therefore, result in a significant impact under CEQA. The majority of the Phase 2 emissions are a direct result of off-site truck trips. As described previously, the aggregate produced by the Proposed Project would reduce demand on other aggregate operations currently supplying materials over a longer distance. An independent market analysis has estimated that the total distance from the distant quarries in San Diego County to the Otay Hills Quarry market area is approximately 29 miles (see Appendix H). The average distance to the market area from the Proposed Project site is 10 miles per trip. The difference in the trip length between the local and regional trips would help reduce the emissions from the truck trips. Nevertheless, the Project would result in a direct and cumulative significant and unavoidable operational impact to related to emissions of NO_x during Phase 2. Emissions of all other criteria pollutants would be below the screening-level and significant thresholds for Project construction and operations and, therefore, would be less than significant under CEQA.

Both construction-period and operational health risk effects related to DPM would be less than significant.

An evaluation of odors indicated that odor impacts would be less than significant.

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APPENDIX A

EMISSION CALCULATION SPREADSHEETS

Otay Hills Construction Aggregate and IDEFO Operations Data

Production Data

Activity	High Production		
	Annual (TPY)	Daily (TPD)	Hourly (TPH)
Total Aggregate Throughput			
Primary Processing Production	1,600,000	8,000	800
Secondary Processing Production	1,400,000	7,000	700
Recycled Material Production	420,000	3,000	300
Sand Screen Plant	200,000	2,000	200
Concrete Batch Plant	1,000,000	10,000	1,000
Cement-Treated Base Plant	320,000	4,000	400
Hot Mix Asphalt Batch Plant	600,000	5,000	500
Note: Total aggregate throughput will be 2,020,000 and may include up to 420,000 TPY of recycle aggregate, asphalt, and concrete materials			

Production Schedule

Activity	Daily Schedule at Maximum Production Rate (hrs/day)	Annual Schedule at Maximum Production Rate (hrs/year)
Aggregate Plant Schedule		
Primary Processing Schedule	10	2,000
Secondary Processing Schedule	10	2,000
Recycled Material Schedule	10	1,400
Sand Screen Plant Schedule	10	1,000
Concrete Batch Plant Schedule	10	1,000
Cement-Treated Base Plant Schedule	10	800
Hot Mix Asphalt Batch Plant Schedule	10	1,200
Note: Typical hours of operation are 6am to 4pm. 2,400 - 2,500 hrs/yr		

Aggregate Material Transfer Rates

Activity	Percent of Products as Aggregate (%)	Aggregate Transferred for Trip Generation		Transfer Method
		Annual Production (TPY)	Daily Max Production (TPD)	
Rock to Primary Plant	100	1,600,000	8,000	Loader to on-site/off-road haul truck to plant
Rock to Secondary Plant	100	1,400,000	7,000	Conveyor
Aggregates to On-Road Product Haul Truck	100	549,000	3,000	Loader to overhead bins
Aggregates to Concrete Batch Plant	80	305,000	1,500	Conveyor
Aggregates to Cement-Treated Base Plant	90	61,000	1,000	Loader operations
Aggregates to Hot Mix Asphalt Batch Plant	80	305,000	2,000	Conveyor
Notes:				
1. Aggregate transfer data obtained from Table 4 of the TIS (Darnell and Associates 2017)				
2. Aggregate to On-Road Haul Truck represents the loading of product that will be transported off-site. The amount of aggregate product is based on the balance of total aggregate minus the aggregate sent to the concrete and asphalt plants.				
3. The concrete, cement treated base, and asphalt plants are fed by the aggregate secondary plant and product stockpiles.				

Haul Rates

Activity	Material Transferred			Method
	Annual (TPY)	Daily Max Production (TPD)	Truck Capacity (Tons)	
Aggregate Product	549,000	3,000	27	Truck
Concrete Product	1,000,000	10,000	20	Truck
CTB Product	320,000	4,000	27	Truck
Asphalt Product	600,000	5,000	27	Truck
Cement Delivery	140,000	1,400	27	Truck
Asphalt Oil Delivery	30,000	250	27	Truck
Notes:				
1. Cement and Cement Supplement delivery represents the amount of cement and supplements (fly-ash) brought on-site to be used for concrete production and is based on a mixing ratio of approximately 14% cement, as shown in average concrete composition, AP-42, Table 11.12-2				
2. The asphalt oil delivery represents the amount of oil brought on-site to be used for asphalt production and is based on a mixing ratio of approximately 5% oil with 95% aggregate.				

Off-Road Diesel Engine Emission Factors

PHASE 1 - CONSTRUCTION EQUIPMENT REQUIREMENTS

Off-Road Equipment Type	Horsepower	Load Factors	Output (hp)	Grading			Backbone Infrastructure			Building Construction			Paving		
				Pieces	Hrs/Day	Hrs/Yr	Pieces	Hrs/Day	Hrs/Yr	Pieces	Hrs/Day	Hrs/Yr	Pieces	Hrs/Day	Hrs/Yr
Aerial Lift	63	0.31	19.53	-	-	-	-	-	-	2	8	208	-	-	-
Air Compressors	78	0.48	37.44	-	-	-	-	-	-	2	8	208	-	-	-
Bore/Drill Rigs	221	0.50	110.50	-	-	-	1	8	120	-	-	-	-	-	-
Cement and Mortar Mixers	9	0.56	5.04	-	-	-	-	-	-	2	8	208	1	8	80
Cranes	231	0.29	66.99	-	-	-	-	-	-	2	4	104	-	-	-
Crawler Tractors	212	0.43	91.16	2	8	160	-	-	-	-	-	-	4	8	80
Dumpers/Tenders	16	0.38	6.08	4	4	80	-	-	-	-	-	-	2	4	40
Excavators	158	0.38	60.04	-	-	-	1	8	120	1	4	104	-	-	-
Forklifts	89	0.20	17.80	-	-	-	1	8	120	4	8	208	-	-	-
Generator Sets	84	0.74	62.16	-	-	-	-	-	-	3	8	208	-	-	-
Graders	187	0.41	76.67	2	8	160	-	-	-	-	-	-	1	8	80
Off-Highway Tractors	124	0.44	54.56	1	8	160	1	8	120	1	8	208	1	4	40
Off-Highway Trucks	402	0.38	152.76	4	8	160	2	8	120	-	-	-	1	4	40
Other Construction Equipment	172	0.42	72.24	2	4	80	2	4	60	2	4	104	2	4	40
Other General Industrial Equipment	88	0.34	29.92	1	4	80	1	4	60	4	4	104	-	-	-
Pavers	130	0.42	54.60	-	-	-	-	-	-	-	-	-	1	8	80
Paving Equipment	132	0.36	47.52	-	-	-	-	-	-	-	-	-	2	8	80
Plate Compactors	8	0.43	3.44	-	-	-	-	-	-	2	8	208	1	8	80
Pressure Washers	13	0.30	3.90	-	-	-	-	-	-	2	8	208	-	-	-
Pumps	84	0.74	62.16	-	-	-	-	-	-	1	8	208	-	-	-
Rollers	80	0.38	30.40	2	8	160	-	-	-	-	-	-	1	8	80
Rough Terrain Forklifts	100	0.40	40.00	-	-	-	-	-	-	2	8	208	-	-	-
Rubber Tired Dozers	247	0.40	98.80	4	4	80	-	-	-	-	-	-	1	4	40
Rubber Tired Loaders	203	0.36	73.08	2	8	160	-	-	-	-	-	-	1	8	80
Scrapers	367	0.48	176.16	4	8	160	-	-	-	-	-	-	-	-	-
Skid Steer Loaders	65	0.37	24.05	2	8	160	-	-	-	1	8	208	-	-	-
Sweepers/Scrubbers	64	0.46	29.44	-	-	-	-	-	-	1	4	104	-	-	-
Tractors/Loaders/Backhoes	97	0.37	35.89	2	8	160	2	8	120	2	8	208	-	-	-
Trenchers	78	0.50	39.00	-	-	-	1	8	120	-	-	-	-	-	-
Welders	46	0.45	20.70	-	-	-	-	-	-	8	8	208	-	-	-

Note: List of equipment, horsepower ratings, and emission factors were obtained from the Air Resources Board's 2011 OFFROAD emission factor inventory.

Number of equipment pieces and hours of operations are estimated for Phase 1 of the Otay Hills Project (grading 20 days, backbone infrastructure 15 days, building 26 days, and paving 10 days)

Off-Road Diesel Engine Emission Factors

Off-Road Equipment Type	Emission Factors (g/hp-hr)					
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Aerial Lift	0.1150	3.1768	1.8686	0.0050	0.0420	0.0380
Air Compressors	0.4890	3.6980	3.4000	0.0060	0.2240	0.2240
Bore/Drill Rigs	0.1420	1.0677	1.8073	0.0050	0.0520	0.0480
Cement and Mortar Mixers	0.6610	3.4700	4.1420	0.0080	0.1610	0.1610
Cranes	0.3840	1.7904	4.5633	0.0050	0.1880	0.1730
Crawler Tractors	0.3600	1.5549	4.6323	0.0050	0.1750	0.1610
Dumpers/Tenders	0.6850	2.3390	4.3360	0.0070	0.1650	0.1650
Excavators	0.2310	3.0860	2.2784	0.0050	0.1100	0.1020
Forklifts	0.4590	3.7595	4.1330	0.0050	0.3080	0.2830
Generator Sets	0.3640	3.3800	3.1730	0.0060	0.1790	0.1790
Graders	0.3600	1.3593	4.8658	0.0050	0.1560	0.1440
Off-Highway Tractors	0.2710	3.2151	2.8903	0.0050	0.1400	0.1290
Off-Highway Trucks	0.2460	1.4142	2.3468	0.0050	0.0860	0.0790
Other Construction Equipment	0.3880	3.2353	4.1120	0.0050	0.2170	0.2000
Other General Industrial Equipment	0.4460	3.7707	4.0608	0.0050	0.2960	0.2720
Pavers	0.2730	3.0097	2.9183	0.0050	0.1420	0.1310
Paving Equipment	0.2480	3.0239	2.5550	0.0050	0.1280	0.1180
Plate Compactors	0.6610	3.4690	4.1420	0.0080	0.1610	0.1610
Pressure Washers	0.7210	2.4730	4.5380	0.0070	0.2050	0.2050
Pumps	0.3860	3.4320	3.2190	0.0060	0.1890	0.1890
Rollers	0.3880	3.5314	3.8815	0.0050	0.2470	0.2280
Rough Terrain Forklifts	0.1890	3.2558	2.4522	0.0050	0.1030	0.0940
Rubber Tired Dozers	0.6190	2.3710	6.5033	0.0050	0.3180	0.2930
Rubber Tired Loaders	0.2900	1.2689	3.4212	0.0050	0.1140	0.1040
Scrapers	0.3200	2.4006	3.7825	0.0050	0.1480	0.1360
Skid Steer Loaders	0.1880	3.2771	2.5046	0.0050	0.1080	0.1000
Sweepers/Scrubbers	0.5200	3.8275	4.4821	0.0050	0.3600	0.3310
Tractors/Loaders/Backhoes	0.3310	3.6015	3.3257	0.0050	0.2100	0.1930
Trenchers	0.6100	3.8327	5.5195	0.0050	0.4130	0.3800
Welders	0.9370	4.8400	4.3040	0.0070	0.2380	0.2380

Daily Emissions

Off-Road Equipment Type	Emissions (lbs/day)					
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Grading						
Crawler Tractors	1.1576	4.9999	14.8954	0.0161	0.5627	0.5177
Dumpers/Tenders	0.1469	0.5016	0.9299	0.0015	0.0354	0.0354
Graders	0.9736	3.6761	13.1592	0.0135	0.4219	0.3894
Off-Highway Tractors	0.2608	3.0938	2.7813	0.0048	0.1347	0.1241
Off-Highway Trucks	2.6511	15.2404	25.2909	0.0539	0.9268	0.8514
Other Construction Equipment	0.4943	4.1221	5.2391	0.0064	0.2765	0.2548
Other General Industrial Equipment	0.1177	0.9949	1.0714	0.0013	0.0781	0.0718
Rollers	0.4161	3.7868	4.1623	0.0054	0.2649	0.2445
Rubber Tired Dozers	2.1573	8.2632	22.6645	0.0174	1.1083	1.0211
Rubber Tired Loaders	0.7476	3.2709	8.8191	0.0129	0.2939	0.2681
Scrapers	3.9769	29.8344	47.0084	0.0621	1.8393	1.6902
Skid Steer Loaders	0.1595	2.7801	2.1248	0.0042	0.0916	0.0848
Tractors/Loaders/Backhoes	0.4190	4.5594	4.2103	0.0063	0.2659	0.2443
Grading Total	13.6783	85.1236	152.3567	0.2059	6.2999	5.7977
Backbone Infrastructure						
Bore/Drill Rigs	0.2767	2.0807	3.5223	0.0097	0.1013	0.0935
Excavators	0.2446	3.2678	2.4126	0.0053	0.1165	0.1080
Forklifts	0.1441	1.1803	1.2975	0.0016	0.0967	0.0888
Off-Highway Tractors	0.2608	3.0938	2.7813	0.0048	0.1347	0.1241
Off-Highway Trucks	1.3256	7.6202	12.6455	0.0269	0.4634	0.4257
Other Construction Equipment	0.4943	4.1221	5.2391	0.0064	0.2765	0.2548
Other General Industrial Equipment	0.1177	0.9949	1.0714	0.0013	0.0781	0.0718
Tractors/Loaders/Backhoes	0.4190	4.5594	4.2103	0.0063	0.2659	0.2443
Trenchers	0.4196	2.6363	3.7966	0.0034	0.2841	0.2614
Backbone Infrastructure Total	3.7024	29.5555	36.9766	0.0658	1.8172	1.6725
Building Construction						
Aerial Lift	0.0792	2.1885	1.2873	0.0034	0.0289	0.0262
Air Compressors	0.6458	4.8838	4.4902	0.0079	0.2958	0.2958
Cement and Mortar Mixers	0.1175	0.6169	0.7364	0.0014	0.0286	0.0286
Cranes	0.4537	2.1154	5.3915	0.0059	0.2221	0.2044
Excavators	0.1223	1.6339	1.2063	0.0026	0.0582	0.0540
Forklifts	0.5764	4.7211	5.1900	0.0063	0.3868	0.3554
Generator Sets	1.1972	11.1166	10.4358	0.0197	0.5887	0.5887
Off-Highway Tractors	0.2608	3.0938	2.7813	0.0048	0.1347	0.1241
Other Construction Equipment	0.4943	4.1221	5.2391	0.0064	0.2765	0.2548
Other General Industrial Equipment	0.4707	3.9796	4.2857	0.0053	0.3124	0.2871
Plate Compactors	0.0802	0.4209	0.5026	0.0010	0.0195	0.0195
Pressure Washers	0.0992	0.3402	0.6243	0.0010	0.0282	0.0282
Pumps	0.4232	3.7626	3.5290	0.0066	0.2072	0.2072
Rough Terrain Forklifts	0.2667	4.5937	3.4599	0.0071	0.1453	0.1326
Skid Steer Loaders	0.0797	1.3900	1.0624	0.0021	0.0458	0.0424
Sweepers/Scrubbers	0.1350	0.9937	1.1636	0.0013	0.0935	0.0859
Tractors/Loaders/Backhoes	0.4190	4.5594	4.2103	0.0063	0.2659	0.2443
Welders	2.7367	14.1361	12.5706	0.0204	0.6951	0.6951
Building Construction Total	8.6577	68.6683	68.1665	0.1096	3.8334	3.6745
Paving						
Cement and Mortar Mixers	0.0588	0.3084	0.3682	0.0007	0.0143	0.0143
Crawler Tractors	2.3152	9.9999	29.7907	0.0322	1.1255	1.0354
Dumpers/Tenders	0.0735	0.2508	0.4650	0.0008	0.0177	0.0177
Graders	0.4868	1.8380	6.5796	0.0068	0.2109	0.1947
Off-Highway Tractors	0.1304	1.5469	1.3906	0.0024	0.0674	0.0621
Off-Highway Trucks	0.3314	1.9050	3.1614	0.0067	0.1159	0.1064
Other Construction Equipment	0.4943	4.1221	5.2391	0.0064	0.2765	0.2548
Pavers	0.2629	2.8983	2.8103	0.0048	0.1367	0.1262
Paving Equipment	0.4157	5.0688	4.2827	0.0084	0.2146	0.1978
Plate Compactors	0.0401	0.2105	0.2513	0.0005	0.0098	0.0098
Rollers	0.2080	1.8934	2.0811	0.0027	0.1324	0.1222
Rubber Tired Dozers	0.5393	2.0658	5.6661	0.0044	0.2771	0.2553
Rubber Tired Loaders	0.3738	1.6354	4.4096	0.0064	0.1469	0.1340
Paving Total	5.7302	33.7433	66.4957	0.0831	2.7456	2.5307

Annual Emissions

Off-Road Equipment Type	Emissions (tons/year)					
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Grading						
Crawler Tractors	0.0116	0.0500	0.1490	0.0002	0.0056	0.0052
Dumpers/Tenders	0.0015	0.0050	0.0093	0.0000	0.0004	0.0004
Graders	0.0097	0.0368	0.1316	0.0001	0.0042	0.0039
Off-Highway Tractors	0.0026	0.0309	0.0278	0.0000	0.0013	0.0012
Off-Highway Trucks	0.0265	0.1524	0.2529	0.0005	0.0093	0.0085
Other Construction Equipment	0.0049	0.0412	0.0524	0.0001	0.0028	0.0025
Other General Industrial Equipment	0.0012	0.0099	0.0107	0.0000	0.0008	0.0007
Rollers	0.0042	0.0379	0.0416	0.0001	0.0026	0.0024
Rubber Tired Dozers	0.0216	0.0826	0.2266	0.0002	0.0111	0.0102
Rubber Tired Loaders	0.0075	0.0327	0.0882	0.0001	0.0029	0.0027
Scrapers	0.0398	0.2983	0.4701	0.0006	0.0184	0.0169
Skid Steer Loaders	0.0016	0.0278	0.0212	0.0000	0.0009	0.0008
Tractors/Loaders/Backhoes	0.0042	0.0456	0.0421	0.0001	0.0027	0.0024
Grading Total	0.1368	0.8512	1.5236	0.0021	0.0630	0.0580
Backbone Infrastructure						
Bore/Drill Rigs	0.0021	0.0156	0.0264	0.0001	0.0008	0.0007
Excavators	0.0018	0.0245	0.0181	0.0000	0.0009	0.0008
Forklifts	0.0011	0.0089	0.0097	0.0000	0.0007	0.0007
Off-Highway Tractors	0.0020	0.0232	0.0209	0.0000	0.0010	0.0009
Off-Highway Trucks	0.0099	0.0572	0.0948	0.0002	0.0035	0.0032
Other Construction Equipment	0.0037	0.0309	0.0393	0.0000	0.0021	0.0019
Other General Industrial Equipment	0.0009	0.0075	0.0080	0.0000	0.0006	0.0005
Tractors/Loaders/Backhoes	0.0031	0.0342	0.0316	0.0000	0.0020	0.0018
Trenchers	0.0031	0.0198	0.0285	0.0000	0.0021	0.0020
Backbone Infrastructure Total	0.0278	0.2217	0.2773	0.0005	0.0136	0.0125
Building Construction						
Aerial Lift	0.0010	0.0285	0.0167	0.0000	0.0004	0.0003
Air Compressors	0.0084	0.0635	0.0584	0.0001	0.0038	0.0038
Cement and Mortar Mixers	0.0015	0.0080	0.0096	0.0000	0.0004	0.0004
Cranes	0.0059	0.0275	0.0701	0.0001	0.0029	0.0027
Excavators	0.0016	0.0212	0.0157	0.0000	0.0008	0.0007
Forklifts	0.0075	0.0614	0.0675	0.0001	0.0050	0.0046
Generator Sets	0.0156	0.1445	0.1357	0.0003	0.0077	0.0077
Off-Highway Tractors	0.0034	0.0402	0.0362	0.0001	0.0018	0.0016
Other Construction Equipment	0.0064	0.0536	0.0681	0.0001	0.0036	0.0033
Other General Industrial Equipment	0.0061	0.0517	0.0557	0.0001	0.0041	0.0037
Plate Compactors	0.0010	0.0055	0.0065	0.0000	0.0003	0.0003
Pressure Washers	0.0013	0.0044	0.0081	0.0000	0.0004	0.0004
Pumps	0.0055	0.0489	0.0459	0.0001	0.0027	0.0027
Rough Terrain Forklifts	0.0035	0.0597	0.0450	0.0001	0.0019	0.0017
Skid Steer Loaders	0.0010	0.0181	0.0138	0.0000	0.0006	0.0006
Sweepers/Scrubbers	0.0018	0.0129	0.0151	0.0000	0.0012	0.0011
Tractors/Loaders/Backhoes	0.0054	0.0593	0.0547	0.0001	0.0035	0.0032
Welders	0.0356	0.1838	0.1634	0.0003	0.0090	0.0090
Building Construction Total	0.1125	0.8927	0.8862	0.0014	0.0498	0.0478
Paving						
Cement and Mortar Mixers	0.0003	0.0015	0.0018	0.0000	0.0001	0.0001
Crawler Tractors	0.0116	0.0500	0.1490	0.0002	0.0056	0.0052
Dumpers/Tenders	0.0004	0.0013	0.0023	0.0000	0.0001	0.0001
Graders	0.0024	0.0092	0.0329	0.0000	0.0011	0.0010
Off-Highway Tractors	0.0007	0.0077	0.0070	0.0000	0.0003	0.0003
Off-Highway Trucks	0.0017	0.0095	0.0158	0.0000	0.0006	0.0005
Other Construction Equipment	0.0025	0.0206	0.0262	0.0000	0.0014	0.0013
Pavers	0.0013	0.0145	0.0141	0.0000	0.0007	0.0006
Paving Equipment	0.0021	0.0253	0.0214	0.0000	0.0011	0.0010
Plate Compactors	0.0002	0.0011	0.0013	0.0000	0.0000	0.0000
Rollers	0.0010	0.0095	0.0104	0.0000	0.0007	0.0006
Rubber Tired Dozers	0.0027	0.0103	0.0283	0.0000	0.0014	0.0013
Rubber Tired Loaders	0.0019	0.0082	0.0220	0.0000	0.0007	0.0007
Paving Total	0.0287	0.1687	0.3325	0.0004	0.0137	0.0127

Product Delivery Trucks/Employee Vehicle On-Site Emissions

Product Delivery Truck Activity

Haul Truck Type	Average Daily Truck Trips (trucks/day)	Maximum Daily Truck Trips (trucks/day)	Unloaded Truck Weight (tons)	Loaded Truck Weight (tons)	Avg Truck Weight (tons)	Delivery Days (days/year)	Truck Idling Time (min/truck)	Total Travel Distance (miles)
Phase 1								
Equipment/Plant Deliveries	20	20	12	38	25	260	5	2
Phase 2 and Phase 3								
<i>Quarry Production</i>								
Aggregate Rock Sales Product Truck	68	112	12	40	26	305	5	0.73
Asphalt Product Truck	37	74	12	39	25.5	305	5	0.6
Concrete Product Truck	119	179	12	32	22	305	5	0.39
CTB Product Truck	8	37	12	39	25.5	305	5	0.77
<i>Sand Import</i>								
Concrete Product Truck	14	14	12	39	25.5	305	5	0.39
Asphalt Product Truck	4	7	12	40	26	305	5	0.6
<i>Cement Import</i>								
Cement & Supp Delivery Truck	11	11	12	40	26	305	5	0.77
<i>Oil Import</i>								
Asphalt Oil Delivery Truck	2	4	12	40	26	305	5	0.6
<i>Recycle</i>								
Recycle Production	23	37	12	37	24.5	305	5	0.84
Recycle Import	28	45	12	37	24.5	305	5	0.84
<i>Fuel Import</i>								
Fuel Truck	1	2	12	38	25	305	5	2
Phase 4								
<i>Landfill</i>								
Infill Material Truck	78	130	12	37	24.5	305	5	2
Total HHD Trucks	413	672						

Number of trips based on TIS Table 5 (Darnell & Associates, 2017)

Employee Vehicles

Source	Vehicle Trips (trips/day)	Operating Days (days/year)	Vehicle Weight (tons)	Travel Distance (total miles)
Phase 1				
Construction Workers	38	260	2.38	0.5
Vendors	30	260	2.38	0.75
Phase 2, Phase 3, and Phase 4				
Processing Plant	38	305	2.38	0.25
Truck Drivers	40	305	2.38	1.5

Number of trips based on TIS Table 5 (Darnell & Associates, 2017)

Idling Tailpipe Emissions

Vehicle Type	Emission Factors (lbs/min)						
	ROG	CO	NOX	SOX	PM10	PM2.5	CO2
T7 single construction	0.000247779	0.001393233	0.001746435	2.46942E-06	4.43893E-06	4.08382E-06	0.232952856

Idling emission factors from EMFAC2011 for operational year 2020.

Driving Tailpipe Emissions

Vehicle Type	Emission Factors (lbs/mile)						
	ROG	CO	NOX	SOX	PM10	PM2.5	CO2
Light Duty Trucks	4.03531E-05	0.002033677	0.00019656	7.74433E-06	0.000102206	4.23954E-05	0.782586757
T7 single construction	0.000939251	0.002507285	0.014251387	3.87359E-05	0.000469583	0.000321286	4.100122257

Running emission factors from EMFAC2017 for operational year 2020

Re-Entrained Dust

Source	k(PM10) (lb/VMT)	k(PM2.5) (lb/VMT)	sL (g/m ²)	W (tons)	PM10 Emissions (lbs/VMT)	PM2.5 Emissions (lbs/VMT)	Precipitation (days)	Control Efficiency (%)	PM10 EF (lbs/VMT)	PM2.5 EF (lbs/VMT)
Phase 1										
Equipment/Plant Deliveries	0.0022	0.00054	0.22	25	0.001478857	0.000362992	42	90%	4.12847E-06	1.55875E-06
Light Duty Trucks	0.0022	0.00054	0.22	2.38	0.000134318	3.29691E-05	42	90%	3.74972E-07	1.41575E-07
Phase 2 and Phase 3										
<i>Quarry Production</i>										
Aggregate Rock Sales Product Truck	0.0022	0.00054	0.22	26	0.001539218	0.000377808	42	90%	4.29698E-06	1.62237E-06
Asphalt Product Truck	0.0022	0.00054	0.22	25.5	0.001509031	0.000370399	42	90%	4.21271E-06	1.59056E-06
Concrete Product Truck	0.0022	0.00054	0.22	22	0.001298071	0.000318617	42	90%	3.62378E-06	1.3682E-06
CTB Product Truck	0.0022	0.00054	0.22	25.5	0.001509031	0.000370399	42	90%	4.21271E-06	1.59056E-06
Light Duty Trucks	0.0022	0.00054	0.22	2.38	0.000134318	3.29691E-05	42	90%	3.74972E-07	1.41575E-07
<i>Sand Import</i>										
Concrete Product Truck	0.0022	0.00054	0.22	25.5	0.001509031	0.000370399	42	90%	4.21271E-06	1.59056E-06
Asphalt Product Truck	0.0022	0.00054	0.22	26	0.001539218	0.000377808	42	90%	4.29698E-06	1.62237E-06
<i>Cement Import</i>										
Cement & Supp Delivery Truck	0.0022	0.00054	0.22	26	0.001539218	0.000377808	42	90%	4.29698E-06	1.62237E-06
<i>Oil Import</i>										
Asphalt Oil Delivery Truck	0.0022	0.00054	0.22	26	0.001539218	0.000377808	42	90%	4.29698E-06	1.62237E-06
<i>Recycle</i>										
Recycle Production	0.0022	0.00054	0.22	24.5	0.001448694	0.000355589	42	90%	4.04427E-06	1.52696E-06
Recycle Import	0.0022	0.00054	0.22	24.5	0.001448694	0.000355589	42	90%	4.04427E-06	1.52696E-06
<i>Fuel Import</i>										
Fuel Truck	0.0022	0.00054	0.22	25	0.001478857	0.000362992	42	90%	4.12847E-06	1.55875E-06
Phase 4										
<i>Landfill</i>										
Infill Material Truck	0.0022	0.00054	0.22	24.5	0.001448694	0.000355589	42	90%	4.04427E-06	1.52696E-06
Light Duty Trucks	0.0022	0.00054	0.22	2.38	0.000134318	3.29691E-05	42	90%	3.74972E-07	1.41575E-07

Particle size multiplier (k) is based on values for PM10 and PM2.5 shown in January 2011 AP-42 Section 13.2.1, Table 13.1.1-1.

Silt loading (sL) value is based on SCAQMD CEQA Air Quality Handbook page A9-96.

Based on January 2011 AP-42 Section 13.2.1.3, predictive emission factor equation.

Number of wet days with precipitation of at least 0.254 mm (0.01in), average 42 days per year in San Diego County from <http://www.met.utah.edu/jhorel/html/wx/climate/days/rain.html>.

SDAPCD Rule 55 requires no dirt track out on paved surface street, all roads must be swept each shift, resulting in 70% control efficiency.

Emission factors include control efficiency for sweeping and excludes wet days.

Daily Emissions

Vehicle Type	Emission Source	Emissions (lbs/day)						
Phase 1		ROG	CO	NOX	SOX	PM10	PM2.5	CO2
Equipment/Plant Deliveries	Idling	0.024777919	0.139323277	0.174643526	0.000246942	0.000443893	0.000408382	23.29528563
	Driving	0.03757002	0.100291404	0.570055495	0.001549437	0.018783307	0.01285145	164.0048903
	Re-entrained Dust					0.000165139	6.235E-05	
Light Duty Trucks	Driving	0.001674654	0.084397585	0.008157239	0.00032139	0.004241549	0.001759409	32.47735042
	Re-entrained Dust					1.55613E-05	5.87536E-06	
Phase 1 Total		0.064022593	0.324012266	0.75285626	0.002117769	0.023649449	0.015087466	219.7775263
Phase 2 and Phase 3								
Quarry Production								
Aggregate Rock Sales Product Truck	Idling	0.138756347	0.780210352	0.978003747	0.001382876	0.002485802	0.002286937	130.4535995
	Driving	0.076793121	0.20499563	1.165193432	0.003167049	0.038393079	0.026268364	335.2259957
	Re-entrained Dust					0.000351321	0.000132645	
Asphalt Product Truck	Idling	0.091678301	0.515496125	0.646181047	0.000913686	0.001642405	0.001511012	86.19255683
	Driving	0.041702722	0.111323458	0.6327616	0.001719875	0.02084947	0.014265109	182.0454282
	Re-entrained Dust					0.000187044	7.06207E-05	
Concrete Product Truck	Idling	0.221762376	1.24694333	1.563059559	0.002210132	0.003972843	0.003655016	208.4928064
	Driving	0.065569077	0.175033573	0.994889353	0.002704155	0.032781566	0.022428993	286.2295348
	Re-entrained Dust					0.000252976	3.898E-05	
CTB Product Truck	Idling	0.04583915	0.257748063	0.323090523	0.000456843	0.000821202	0.000755506	43.09627841
	Driving	0.026759247	0.071432553	0.406022027	0.001103586	0.01337841	0.009153445	116.8124831
	Re-entrained Dust					0.00012002	4.53149E-05	
Sand Import								
Concrete Product Truck	Idling	0.017344543	0.097526294	0.122250468	0.000172859	0.000310725	0.000285867	16.30669994
	Driving	0.005128308	0.013689777	0.077812575	0.000211498	0.002563921	0.001754223	22.38666752
	Re-entrained Dust					2.30014E-05	8.68443E-06	
Asphalt Product Truck	Idling	0.008672272	0.048763147	0.061125234	8.64297E-05	0.000155363	0.000142934	8.15334997
	Driving	0.003944852	0.010530597	0.059855827	0.000162691	0.001972247	0.001349402	17.22051348
	Re-entrained Dust					1.80473E-05	6.81397E-06	
Cement Import								
Cement & Supp Delivery Truck	Idling	0.013627856	0.076627802	0.096053939	0.000135818	0.000244141	0.00022461	12.8124071
	Driving	0.007955452	0.021236705	0.120709251	0.000328093	0.003977365	0.002721295	34.72803552
	Re-entrained Dust					3.63954E-05	1.37415E-05	
Oil Import								
Asphalt Oil Delivery Truck	Idling	0.004955584	0.027864655	0.034928705	4.93884E-05	8.87786E-05	8.16763E-05	4.659057126
	Driving	0.002254201	0.006017484	0.03420333	9.29662E-05	0.001126998	0.000771087	9.840293417
	Re-entrained Dust					1.03128E-05	3.8937E-06	
Recycle								
Recycle Production	Idling	0.04583915	0.257748063	0.323090523	0.000456843	0.000821202	0.000755506	43.09627841
	Driving	0.029191906	0.077926421	0.44293312	0.001203912	0.014594629	0.009985577	127.4317998
	Re-entrained Dust					0.000125696	4.74579E-05	
Recycle Import	Idling	0.055750318	0.313477373	0.392947934	0.00055562	0.00099876	0.000918859	52.41439266
	Driving	0.035503669	0.094775377	0.538702443	0.001464218	0.017750225	0.01214462	154.9846213
	Re-entrained Dust					0.000152873	5.7719E-05	
Fuel Import								
Fuel Truck	Idling	0.002477792	0.013932328	0.017464353	2.46942E-05	4.43893E-05	4.08382E-05	2.329528563
	Driving	0.003757002	0.01002914	0.05700555	0.000154944	0.001878331	0.001285145	16.40048903
	Re-entrained Dust					1.65139E-05	6.235E-06	
Combined Phase 2 and Phase 3								
Light Duty Trucks	Driving	0.00280454	0.141340534	0.013660918	0.000538231	0.007103316	0.00294648	54.38977962
	Re-entrained Dust					2.60606E-05	9.83946E-06	
Phase 2 and Phase 3 Total		0.948067785	4.574668781	9.101945458	0.019296408	0.16927543	0.116174447	1965.702596
Phase 4								
Landfill								
Infill Material Truck	Idling	0.161056474	0.905601301	1.13518292	0.001605124	0.002885305	0.002654481	151.4193566
	Driving	0.24420513	0.651894126	3.70536072	0.01007134	0.122091492	0.083534425	1066.031787
	Re-entrained Dust					0.00105151	0.000397009	
Light Duty Trucks	Driving	0.00280454	0.141340534	0.013660918	0.000538231	0.007103316	0.00294648	54.38977962
	Re-entrained Dust					2.60606E-05	9.83946E-06	
Phase 4 Total		0.408066145	1.698835962	4.854204558	0.012214695	0.133157684	0.089542234	1271.840923

Annual Emission

		Emissions (tons/year)						
Vehicle Type	Emission Source	ROG	CO	NOX	SOX	PM10	PM2.5	CO2 (MT)
Phase 1								
Equipment/Plant Deliveries	Idling	0.003221129	0.018112026	0.022703658	3.21025E-05	5.77061E-05	5.30896E-05	2.74730986
	Driving	0.004884103	0.013037883	0.074107214	0.000201427	0.00244183	0.001670688	19.34177839
	Re-entrained Dust					2.14681E-05	8.10551E-06	
Light Duty Trucks	Driving	0.000217705	0.010971686	0.001060441	4.17807E-05	0.000551401	0.000228723	3.830188926
	Re-entrained Dust					2.02297E-06	7.63797E-07	
Phase 1 Total		0.008322937	0.042121595	0.097871314	0.00027531	0.003074428	0.001961371	25.91927718
Phase 2 and Phase 3								
Quarry Production								
Aggregate Rock Sales Product Truck	Idling	0.012847351	0.072239119	0.090552668	0.000128039	0.000230159	0.000211746	10.95753971
	Driving	0.007111022	0.018980399	0.107884428	0.000293235	0.003554788	0.002432169	28.15753781
	Re-entrained Dust					3.25286E-05	1.22815E-05	
Asphalt Product Truck	Idling	0.00699047	0.03930658	0.049271305	6.96685E-05	0.000125233	0.000115215	5.962190725
	Driving	0.003179833	0.008488414	0.048248072	0.00013114	0.001589772	0.001087715	12.5926136
	Re-entrained Dust					1.42621E-05	5.38483E-06	
Concrete Product Truck	Idling	0.022482864	0.126418459	0.15846717	0.000224069	0.000402778	0.000370555	19.17569449
	Driving	0.006647569	0.017745373	0.10086455	0.000274154	0.003323483	0.002273911	26.32536925
	Re-entrained Dust					2.56474E-05	3.95189E-06	
CTB Product Truck	Idling	0.001511453	0.00849872	0.010653255	1.50635E-05	2.70775E-05	2.49113E-05	1.289122319
	Driving	0.000882332	0.002355344	0.013387753	3.63885E-05	0.000441126	0.000301816	3.494166658
	Re-entrained Dust					3.95742E-06	1.49417E-06	
Sand Import								
Concrete Product Truck	Idling	0.002645043	0.01487276	0.018643196	2.63611E-05	4.73856E-05	4.35947E-05	2.255964058
	Driving	0.000782067	0.002087691	0.011866418	3.22535E-05	0.000390998	0.000267519	3.097102265
	Re-entrained Dust					3.50771E-06	1.32438E-06	
Asphalt Product Truck	Idling	0.000755727	0.00424936	0.005326628	7.53173E-06	1.35387E-05	1.24556E-05	0.644561159
	Driving	0.000343766	0.000917666	0.005216008	1.41773E-05	0.000171867	0.000117591	1.361363633
	Re-entrained Dust					1.57269E-06	5.93789E-07	
Cement Import								
Cement & Supp Delivery Truck	Idling	0.002078248	0.01168574	0.014648226	2.07123E-05	3.72315E-05	3.4253E-05	1.772543188
	Driving	0.001213206	0.003238597	0.018408161	5.00342E-05	0.000606548	0.000414997	4.804479154
	Re-entrained Dust					5.5503E-06	2.09558E-06	
Oil Import								
Asphalt Oil Delivery Truck	Idling	0.000377863	0.00212468	0.002663314	3.76587E-06	6.76937E-06	6.22782E-06	0.32228058
	Driving	0.000171883	0.000458833	0.002608004	7.08867E-06	8.59336E-05	5.87954E-05	0.680681816
	Re-entrained Dust					7.86347E-07	2.96894E-07	
Recycle								
Recycle Production	Idling	0.004345428	0.02443382	0.030628108	4.33075E-05	7.78478E-05	7.16199E-05	3.706226667
	Driving	0.002767314	0.007387214	0.041988863	0.000114128	0.001383531	0.000946606	10.95897724
	Re-entrained Dust					1.19156E-05	4.49888E-06	
Recycle Import	Idling	0.005290086	0.02974552	0.037286393	5.27221E-05	9.47712E-05	8.71895E-05	4.511928116
	Driving	0.003368904	0.00899313	0.051116876	0.000138938	0.001684299	0.00115239	13.3413636
	Re-entrained Dust					1.4506E-05	5.4769E-06	
Fuel Import								
Fuel Truck	Idling	0.000188932	0.00106234	0.001331657	1.88293E-06	3.38469E-06	3.11391E-06	0.16114029
	Driving	0.000286471	0.000764722	0.004346673	1.18145E-05	0.000143223	9.79923E-05	1.134469694
	Re-entrained Dust					1.25918E-06	4.75419E-07	
Combined Phase 2 and Phase 3								
Light Duty Trucks	Driving	0.000427692	0.021554431	0.00208329	8.20802E-05	0.001083256	0.000449338	7.524599606
	Re-entrained Dust					3.97424E-06	1.50052E-06	
Phase 2 and Phase 3 Total		0.086694721	0.427608911	0.827491015	0.001778556	0.015644468	0.010621096	164.2319156
Phase 4								
Landfill								
Infill Material Truck	Idling	0.014736667	0.082862519	0.103869237	0.000146869	0.000264005	0.000242885	12.56894261
	Driving	0.022344769	0.059648313	0.339040506	0.000921528	0.011171372	0.0076434	88.48863613
	Re-entrained Dust					9.62131E-05	3.63264E-05	
Light Duty Trucks	Driving	0.000427692	0.021554431	0.00208329	8.20802E-05	0.001083256	0.000449338	7.524599606
	Re-entrained Dust					3.97424E-06	1.50052E-06	
Phase 4 Total		0.037509129	0.164065263	0.444993033	0.001150477	0.01261882	0.00837345	108.5821784

Phase 1 Trip Characteristics				
Trip Purpose	Max Daily Truck Trips	Average Trip Length	Daily Vehicle Miles Traveled	Working Days Per Year
Deliveries	20	40.00	800	260

Emissions are calculated using the equations described below:

For running emissions

$$\text{Emissions}_{\text{pollutant}} = \text{VMT} * \text{EF}_{\text{pollutant}}$$

Where:

$\text{Emissions}_{\text{pollutant}}$ = emissions for each pollutant

VMT = vehicle miles traveled

$\text{EF}_{\text{pollutant}}$ = emission factor for each pollutant

Other emission types are calculated from trip rates as follows

$$\text{Emissions}_{\text{pollutant}} = \text{Trip} * \text{EF}_{\text{pollutant}}$$

Where:

$\text{Emissions}_{\text{pollutant}}$ = emissions for each pollutant

Trip = number of vehicle trips

$\text{EF}_{\text{pollutant}}$ = emission factor for each pollutant

Grams per Trip Emission Factors						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.00142	0.01799	3.53695	0.00003	0.00003	0.00003
Grams per Mile Emission Factors						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.42604	1.13728	6.46432	0.01757	0.21300	0.11927
Total Trip Emissions (lbs/day)						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.0001	0.0008	0.1560	0.0000	0.0000	0.0000
Total VMT Emissions (lbs/day)						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.7514	2.0058	11.4011	0.0310	0.3757	0.2104
Total Delivery Truck-Related Emissions						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Pounds per Day	0.7515	2.0066	11.5571	0.0310	0.3757	0.2104
Tons per Year	0.0977	0.2609	1.5024	0.0040	0.0488	0.0273

Phase 2 Trip Characteristics						
Trip Purpose	Max Daily Truck Trips	Average Trip Length	Daily Vehicle Miles Traveled			
Quarry Production	401	20.00	8,020			
Sand Import	21	40.00	840			
Cement Import	11	40.00	440			
Oil Import	4	40.00	160			
Recycle	82	40.00	3,280			
TOTAL	519		12,740			
Working Days	260					
Annual Trips	134,940					
Annual VMT	3,312,400					
Grams per Trip Emission Factors						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.00142	0.01799	3.53695	0.00003	0.00003	0.00003
Grams per Mile Emission Factors						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.42604	1.13728	6.46432	0.01757	0.21300	0.11927
Total Trip Emissions (lbs/day)						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.001620423	0.020580992	4.046981418	3.80078E-05	3.32237E-05	3.17865E-05
Total VMT Emissions (lbs/day)						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	11.97	31.94	181.56	0.49	5.98	3.35
Total Delivery Truck-Related Emissions						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Pounds per Day	11.97	31.96	185.61	0.49	5.98	3.35
Tons per Year	1.56	4.16	24.13	0.06	0.78	0.44

Phase 3 Trip Characteristics						
Trip Purpose	Max Daily Truck Trips	Average Trip Length	Daily Vehicle Miles Traveled			
Quarry Production	401	20.00	8,020			
Sand Import	21	40.00	840			
Cement Import	11	40.00	440			
Oil Import	4	40.00	160			
Recycle	82	40.00	3,280			
TOTAL	519		12,740			
Working Days	260					
Annual Trips	134,940					
Annual VMT	3,312,400					
Grams per Trip Emission Factors						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.00090	0.01326	4.56740	0.00002	0.00000	0.00000
Grams per Mile Emission Factors						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.03116	0.42997	3.25107	0.01287	0.11338	0.02397
Total Trip Emissions (lbs/day)						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.001026797	0.015170476	5.226021948	1.9082E-05	4.38026E-06	4.19077E-06
Total VMT Emissions (lbs/day)						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.88	12.08	91.31	0.36	3.18	0.67
Total Delivery Truck-Related Emissions						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Pounds per Day	0.88	12.09	96.54	0.36	3.18	0.67
Tons per Year	0.11	1.57	12.55	0.05	0.41	0.09

Phase 4 Trip Characteristics						
Trip Purpose	Max Daily Truck Trips	Average Trip Length	Daily Vehicle Miles Traveled	Working Days Per Year		
Infill Opreation	78	40.00	3,120	260		
Grams per Trip Emission Factors						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.00090	0.01326	4.56740	0.00002	0.00000	0.00000
Grams per Mile Emission Factors						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.03116	0.42997	3.25107	0.01287	0.11338	0.02397
Total Trip Emissions (lbs/day)						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.0002	0.0023	0.7854	0.0000	0.0000	0.0000
Total VMT Emissions (lbs/day)						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
	0.2143	2.9575	22.3622	0.0885	0.7799	0.1648
Total Delivery Truck-Related Emissions						
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Pounds per Day	0.2145	2.9598	23.1476	0.0885	0.7799	0.1648
Tons per Year	0.0279	0.3848	3.0092	0.0115	0.1014	0.0214

Phase 1, 2, 3, and 4 Trip Characteristics				
Trip Purpose	Average Daily Worker Trips	Average Trip Length	Daily Vehicle Miles Traveled	Working Days Per Year
Worker Commute	78	40.00	3,120	260

Emissions are calculated using the equations described below:

For running emissions

$$\text{Emissions}_{\text{pollutant}} = \text{VMT} * \text{EF}_{\text{pollutant}}$$

Where:

$\text{Emissions}_{\text{pollutant}}$ = emissions for each pollutant

VMT = vehicle miles traveled

$\text{EF}_{\text{pollutant}}$ = emission factor for each pollutant

Other emission types are calculated from trip rates as follows

$$\text{Emissions}_{\text{pollutant}} = \text{Trip} * \text{EF}_{\text{pollutant}}$$

Where:

$\text{Emissions}_{\text{pollutant}}$ = emissions for each pollutant

Trip = number of vehicle trips

$\text{EF}_{\text{pollutant}}$ = emission factor for each pollutant

Grams per Trip Emission Factors

ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
0.95650	2.89297	0.32628	0.00073	0.00188	0.00173

Grams per Mile Emission Factors

ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
0.01830	0.92246	0.08916	0.00351	0.04636	0.01923

Total Trip Emissions (lbs/day)

ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
0.16448	0.49748	0.05611	0.00013	0.00032	0.00030

Total VMT Emissions (lbs/day)

ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
0.00315	0.15863	0.01533	0.00060	0.00797	0.00331

Total Worker Commute Related Emissions

	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
Pounds per Day	0.17	0.66	0.07	0.00	0.01	0.00
Tons per Year	0.02	0.09	0.01	0.00	0.00	0.00

	PHASE 2 THROUGH 4 - OFFROAD EQUIPMENT REQUIREMENTS					
Off-road Equipment Type	Horsepower	Load Factors	Output (hp)	Pieces	Hrs/day	Hrs/yr
Bore/Drill Rigs	221	0.50	110.50	1	10	2,000
Generator Sets	84	0.74	62.16	1	10	2,000
Off-Highway Trucks	402	0.38	152.76	2	10	2,000
Other General Industrial Equipment	88	0.34	29.92	1	10	2,000
Rubber Tired Dozers	247	0.40	98.80	1	12	600
Rubber Tired Loaders	203	0.36	73.08	2	10	2,000
Tractors/Loaders/Backhoes	97	0.37	35.89	1	10	2,000

Note: List of equipment, horsepower ratings, and emission factors were obtained from the Air Resources Board's 2011 OFFROAD emission factor inventory.

	PHASE 2 THROUGH 4 EMISSION FACTORS (2021)								
Off-road Equipment Type	Emission Factors (g/hp-hr)								
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O
Bore/Drill Rigs	0.1320	1.0642	1.5510	0.0050	0.0470	0.0430	#####	0.1510	-
Generator Sets	0.3260	3.3610	2.8880	0.0060	0.1530	0.1530	#####	0.0290	-
Off-Highway Trucks	0.2250	1.3378	1.9536	0.0050	0.0720	0.0660	#####	0.1530	-
Other General Industrial Equipment	0.4040	3.7403	3.7177	0.0050	0.2560	0.2350	#####	0.1520	-
Rubber Tired Dozers	0.6000	2.3172	6.2962	0.0050	0.3060	0.2810	#####	0.1540	-
Rubber Tired Loaders	0.2660	1.2403	2.9977	0.0050	0.1000	0.0920	#####	0.1520	-
Tractors/Loaders/Backhoes	0.2960	3.5707	2.9950	0.0050	0.1770	0.1620	#####	0.1540	-

Note: List of equipment, horsepower ratings, and emission factors were obtained from the Air Resources Board's 2011 OFFROAD emission factor inventory.

	PHASE 2 THROUGH 4 EMISSIONS (2021)									
Off-road Equipment Type	Emissions (lbs/day)									
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O	CO ₂ e
Bore/Drill Rigs	0.31	2.46	3.59	0.01	0.11	0.10	1,083.08	0.35	-	1,090.41
Generator Sets	0.45	4.61	3.96	0.01	0.21	0.21	778.79	0.04	-	779.63
Off-Highway Trucks	1.44	8.56	12.50	0.03	0.46	0.42	3,036.49	0.98	-	3,057.05
Other General Industrial Equipment	0.25	2.34	2.33	0.00	0.16	0.15	294.52	0.10	-	296.52
Rubber Tired Dozers	1.57	6.06	16.46	0.01	0.80	0.73	1,241.03	0.40	-	1,249.48
Rubber Tired Loaders	0.81	3.80	9.18	0.02	0.31	0.28	1,437.41	0.47	-	1,447.18
Tractors/Loaders/Backhoes	0.22	2.68	2.25	0.00	0.13	0.12	357.32	0.12	-	359.75
Total	5.05	30.51	50.26	0.09	2.18	2.02	8,228.65	2.45	-	8,280.04

	PHASE 2 THROUGH 4 EMISSIONS (2021)									
Off-road Equipment Type	Emissions (tons/year)						(metric tons/year)			
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}	CO ₂	CH ₄	N ₂ O	CO ₂ e
Bore/Drill Rigs	0.03	0.26	0.38	0.00	0.01	0.01	103.43	0.03	-	104.13
Generator Sets	0.04	0.46	0.40	0.00	0.02	0.02	70.65	0.00	-	70.73
Off-Highway Trucks	0.15	0.90	1.32	0.00	0.05	0.04	289.96	0.09	-	291.93
Other General Industrial Equipment	0.03	0.25	0.25	0.00	0.02	0.02	28.12	0.01	-	28.32
Rubber Tired Dozers	0.04	0.15	0.41	0.00	0.02	0.02	28.15	0.01	-	28.34
Rubber Tired Loaders	0.09	0.40	0.97	0.00	0.03	0.03	137.26	0.04	-	138.20
Tractors/Loaders/Backhoes	0.02	0.28	0.24	0.00	0.01	0.01	34.12	0.01	-	34.35
Total	0.40	2.70	3.95	0.01	0.16	0.15	691.70	0.2042	-	695.98

Bulldozing, Overburden, and Wind Erosion - Fugitive PM Emissions

Bulldozing and Overburden - Particulate Matter Emissions

ID	Source	hrs/day	hrs/year	s%	M%	PM10 Scale	PM2.5 Scale	PM10 EF (lb/hr)	PM2.5 EF (lb/hr)	PM10 Emissions		PM2.5 Emissions	
										lb/day	TPY	lb/day	TPY
DZ-1	Bulldozer - Excavation and Overburden	12	600	6.9	7.9	0.75	0.105	0.753	0.414	9.03	0.23	4.97	0.12
LD-1	Loader	12	600	6.9	7.9	0.75	0.105	0.753	0.414	9.03	0.23	4.97	0.12

Notes:

1. Emission Factor Source: AP-42 5th Edition Section 11.9 (Western Surface Mining) Final Section, July 1998, Tables 11.9-1 and 11.9-3.

$$PM_{10} \text{ (lb/hr)} = (1.0 \cdot s^{1.5} / M^{1.4}) \cdot \text{scaling factor}$$

where s = silt content of material = 6.9%; M = moisture content = 7.9%; scaling factor = 0.75

$$PM_{10} \text{ (lb/hr)} = 0.753 \text{ lb/hr}$$

$$PM_{2.5} \text{ (lb/hr)} = (5.7 \cdot s^{1.2} / M^{1.3}) \cdot \text{scaling factor}$$

where s = silt content of material = 6.9%; M = moisture content = 7.9%; scaling factor = 0.105

$$PM_{2.5} \text{ (lb/hr)} = 0.414 \text{ lb/hr}$$

2. SDAPCD Rule 55 requires routine watering of excavated areas

3. Silt and moisture content is geometric means for overburden reported in Table 11.9-3 of AP-42

4. Dozer emissions will be split 98% for excavation/site prep and 2% for overburden rock based on the quantity of overburden.

Portable Sand Screen in Quarry

ID	Source	Throughput per Hour	Description	Control Efficiency	Emission Multiplier	PM10 Controlled Factor (lb/ton)	PM2.5 Controlled	PM10 Emissions			PM2.5 Emissions		
								lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
SP-1	Portable Sand Screen #S-3	800	Quarry Screening	0	1	7.40E-04	5.00E-05	5.92E-01	5.92E+00	5.90E-01	4.00E-02	4.00E-01	4.00E-02

1. The emission factors for the portable sand screen are calculated using the controlled emission factor for screening provided the on-site watering control factor is applied as stated in Table 11.19.2-2 (Crushed Stone Processing and Pulverized Mineral Processing), AP-42 5th Ed., Final Section, updated August 2004. The controlled emission factors were used since carry over of the moisture required to obtain wet suppression in previous process steps will result in a higher moisture content of the materials being processed. The PM10 and PM2.5 emission factors for the screens are 0.00074 lbs/ton and 0.00005 lbs/ton, respectively.

Wind Erosion of Exposed Active Areas - Particulate Matter Emissions

ID	Source	PM10 EF (ton/acre/year)	PM2.5 EF (ton/acre/year)	Control Method	Control Efficiency	Exp Area Acres	PM10 Emissions			PM2.5 Emissions		
							lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
WE-1	Exposed Active Areas	0.19	0.03	Dust Suppressant	0.84	1.04	0.0066	0.17	0.166	0.001	0.03	0.005

Notes:

1. Emission factor obtained from AP-42, Table 11.9-4 for TSP. It is assumed that PM10 is 50% of TSP, so 0.38 ton/acre/yr x 50% = 0.19 ton/acre/yr

2. Since there is no PM2.5 emission factor data available from Table 11.19.2-2, the emission factor for PM10 was scaled to PM2.5, based on particle size ratio 0.053 to 0.35, as defined in AP-42 5th Edition Final Section 13.2.4, dated November 2006.

3. Control measures for open area wind erosion are designed to stabilize the exposed surface. Applying dust suppressants or gravel to stabilize disturbed areas after cessation of the disturbance is estimated to yield 84% control efficiency, as defined in the Western Regional Air Partnership (WRAP) Fugitive Dust handbook, Open Area Wind Blown Dust, Section 8.0, Table 8-7.

4. Exposed area is assumed to be the proposed aggregate processing area, but not the drilling and blasting area consisting of rock surface. Exposed areas are assumed to be the area of the pit that are exposed over a two-week duration, where topsoils are removed and drilling and blasting occur. Since 10,800 sq ft (0.23 acres) are disturbed for each blast and there are about 1 blast per week (~50 blasts per year), then 1.04 acres is assumed to be disturbed at any given time during the two weeks period. Areas that are not disturbed consist of hard rock and have negligible potential for wind erosion.

Bulldozing Operations - Toxic Particulate Emissions

Source ID	Source	hr/day	hr/yr	s%	M%	AB2588 Toxic Air Contaminant	Ci (lbs/lb)	EF ² (lbs/hr)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
DZ1	Bulldozer - excavation & overburden	10	600	6.9	7.9	Arsenic	1.70E-05	1.28E-05	1.28E-05	1.28E-04	3.84E-06
						Beryllium	1.00E-06	7.53E-07	7.53E-07	7.53E-06	2.26E-07
						Cadmium	1.00E-06	7.53E-07	7.53E-07	7.53E-06	2.26E-07
						Hex-Chromium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
						Chromium	4.60E-05	3.46E-05	3.46E-05	3.46E-04	1.04E-05
						Copper	2.60E-05	1.96E-05	1.96E-05	1.96E-04	5.87E-06
						Lead	2.20E-05	1.66E-05	1.66E-05	1.66E-04	4.97E-06
						Manganese	4.25E-04	3.20E-04	3.20E-04	3.20E-03	9.60E-05
						Mercury	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
						Nickel	4.70E-05	3.54E-05	3.54E-05	3.54E-04	1.06E-05
						Selenium	1.00E-06	7.53E-07	7.53E-07	7.53E-06	2.26E-07

Notes:

1. Emission Factor Source: AP-42 5th Edition Section 11.9 (Western Surface Mining) Final Section, July 1998, Tables 11.9-1 and 11.9-3.

$$PM_{10} \text{ (lb/hr)} = (1.0 \cdot s^{1.5} / M^{1.4}) \cdot \text{scaling factor}$$

where s = silt content of material = 6.9%; M = moisture content = 7.9%; scaling factor = 0.75

$$PM_{10} \text{ (lb/hr)} = 0.753 \text{ lb/hr}$$

2. The following methods are used by the San Diego Air Pollution Control District to estimate emissions from "Quarry Operations", modified September 1, 1998. Trace metal values obtained from San Diego Air Pollution Control District Emission Factor Guidance, "Quarry Operations, Dozer Mining", updated August 25, 1999.

$$\text{Toxic Eh} = PM_{10}EF \times Ci$$

Where:

Ci = Concentration of each listed toxic substance in bulldozer particulate (lbs/lb)

Example Calculation:

$$\text{Arsenic Eh (lb/hr)} = 0.753 \text{ (lb/hr)} \times 1.70E-05 \text{ (lb/lb)} = 1.28E-05 \text{ lb/hr}$$

Wind Erosion of Exposed Active Areas - Particulate Matter Emissions

Source ID	Source	PM10 EF ¹ (t/ac/yr)	Control Method	Control Efficiency ²	Exp Area ³ (acres)	AB2588 Toxic Air Contaminant	Ci (lbs/lb)	EF ² (t/ac/yr)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
WE1	Exposed Active Areas	0.19	Dust Suppressants	0.84	1.04	Arsenic	1.70E-05	3.23E-06	1.23E-07	2.95E-06	5.37E-07
						Beryllium	1.00E-06	1.90E-07	7.22E-09	1.73E-07	3.16E-08
						Cadmium	1.00E-06	1.90E-07	7.22E-09	1.73E-07	3.16E-08
						Hex-Chromium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
						Chromium	4.60E-05	8.74E-06	3.32E-07	7.97E-06	1.45E-06
						Copper	2.60E-05	4.94E-06	1.88E-07	4.50E-06	8.22E-07
						Lead	2.20E-05	4.18E-06	1.59E-07	3.81E-06	6.96E-07
						Manganese	4.25E-04	8.08E-05	3.07E-06	7.36E-05	1.34E-05
						Mercury	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
						Nickel	4.70E-05	8.93E-06	3.39E-07	8.14E-06	1.49E-06
						Selenium	1.00E-06	1.90E-07	7.22E-09	1.73E-07	3.16E-08

Notes:

1. Emission factor obtained from AP-42, Table 11.9-4, for TSP. It is assumed that PM10 is 50% of TSP, so 0.38 T/ac/yr x 50% = 0.19 T/ac/yr.

2. Control measures for open area wind erosion are designed to stabilize the exposed surface. Applying dust suppressants or gravel to stabilize disturbed areas after cessation of the disturbance is estimated to yield 84% control efficiency, as defined in the Western Regional Air Partnership (WRAP) Fugitive Dust Handbook, Open Area Wind Blown Dust, Section 8.0, Table 8-7.

3. Exposed area is assumed to be the proposed aggregate processing area, but not the drilling and blasting area consisting of rock surface. Exposed areas are assumed to be the areas of the pit that are exposed over a two-week duration, where topsoils are removed and drilling and blasting occur, as well as berms and benches prior to stabilization. Since 3,600 ft² (0.083 acres) are disturbed for each blast and there are 25 blasts per month, then 1.04 acres is assumed to be disturbed at any given time during the two week period. Areas that are not disturbed consist of hard rock and have negligible potential for wind erosion.

4. Toxic air contaminant emissions are defined in the San Diego Air Pollution Control District to estimate emissions from "Quarry Operations", modified September 1, 1998. Wind erosion emissions are assumed similar to dozer emissions, therefore the trace metal values were obtained from San Diego Air Pollution Control District Emission Factor Guidance, "Quarry Operations, Dozer Mining", updated August 25, 1999.

$$\text{Toxic Eh} = PM_{10}EF \times Ci$$

Where:

Ci = Concentration of each listed toxic substance in bulldozer particulate (lbs/lb)

Example Calculation:

$$\text{Arsenic EF (lb/hr)} = 0.19 \text{ (t/ac/yr)} \times 1.70E-05 \text{ (lb/lb)} = 3.23E-06 \text{ t/ac/yr}$$

Bulldozing Operations - Crystalline Silica Emissions

Particulate Emission Factors

ID	Source	hrs/day	hrs/year	s%	M%	PM10 Scale	PM2.5 Scale	PM10 EF (lb/hr)	PM2.5 EF (lb/hr)	PM4 EF (lb/hr)	Cr. Silica EF (lb/hr)
DZ-1	Bulldozer - Excavation and Overburden	10	600	6.9	7.9	0.75	0.105	0.753	0.414	0.482	0.049
LD-1	Loader	10	600	6.9	7.9	0.75	0.105	0.753	0.414	0.482	0.049

Notes:

1. Emission Factor Source: AP-42 5th Edition Section 11.9 (Western Surface Mining) Final Section, July 1998, Tables 11.9-1 and 11.9-3.

PM10 (lb/hr) = $(1.0 \cdot s^{1.5} / M^{1.4}) \cdot \text{scaling factor}$

where s = silt content of material = 6.9%; M = moisture content = 7.9%; scaling factor = 0.75

PM10 (lb/hr) = 0.753 lb/hr

PM2.5 (lb/hr) = $(5.7 \cdot s^{1.2} / M^{1.3}) \cdot \text{scaling factor}$

where s = silt content of material = 6.9%; M = moisture content = 7.9%; scaling factor = 0.105

PM2.5 (lb/hr) = 0.414 lb/hr

2. SDAPCD Rule 55 requires routine watering of excavated areas

3. Silt and moisture content is geometric means for overburden reported in Table 11.9-3 of AP-42

4. There are no published emission factors for PM4 provided in AP-42 5th Ed., Section 11.9. Initially, the PM10 scaling factor was used and scaled to PM4 using the ratio 0.14/0.35; however, this resulted in a PM4 emission factor that falls outside the range of PM10 and PM2.5 emission factors. Finally, linear interpolation between the two emission factors was used to obtain a PM4 emission factor as follows:

$$(\text{PM10 EF} - \text{PM2.5 EF}) / (10 - 2.5) = (\text{PM10 EF} - \text{PM4 EF}) / (10 - 4)$$

$$\text{Solving for PM4 EF} = -((\text{PM10 EF} - \text{PM2.5 EF}) / (7.5 \cdot 6)) - \text{PM10 EF}$$

$$\text{PM4 EF} = 0.482 \text{ lb/hr}$$

5. In a recent study, it was found that the crystalline silica percentage of PM4 particles is only 44% of the crystalline silica percentage in bulk samples of the same rock (Air Control Technologies, 2007). Average bulk sample results at Liberty Quarry indicate 23% crystalline silica. Therefore, crystalline silica emission factors were calculated based on site-specific testing data and are estimated at 10.1% $(0.44 \times 0.23 = 0.101)$ of the PM4 emissions.

ID	Source	PM10 Emissions		PM2.5 Emissions		PM4 Emissions		Crystalline Silica Emissions	
		lb/day	TPY	lb/day	TPY	lb/day	TPY	lb/day	TPY
DZ-1	Bulldozer - Excavation and Overburden ⁶	7.53	0.23	4.14	0.12	4.82	0.14	0.49	0.01
LD-1	Loader	7.53	0.23	4.14	0.12	4.82	0.14	0.49	0.01

Example Calculation: Dozer PM10 = 10 hrs/day x 0.753 lb/hr = 7.53 lb/day

6. Dozer emissions will be split 98% for Excavation/Site Prep and 2% for overburden rock based on the quantity of overburden (49,800 cu yd x 1.8 ton/yd = 89,640 tons per year moved = 89,640/5,000,000 = 1.8% of total material handled in the mine).

Wind Erosion of Exposed Active Areas - Particulate Matter Emissions

ID	Source	PM10 EF ¹ (t/ac/yr)	PM2.5 EF ² (t/ac/yr)	PM4 EF ² (t/ac/yr)	Control Method	Control Efficiency ³	Exp Area ⁴ (ac)	PM10 Emissions			PM2.5 Emissions			PM4 Emissions			Crystalline Silica Emissions		
								lb/hr	lb/day	TPY	lb/hr	lb/day	TPY	lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
WE1	Exposed Active Areas	0.19	0.03	0.08	Dust Suppressants	84%	1.04	0.007	0.173	0.032	0.001	0.027	0.005	0.003	0.073	0.013	0.000	0.007	0.001

Notes:

1. Emission factor obtained from AP-42, Table 11.9-4, for TSP. It is assumed that PM10 is 50% of TSP, so $0.38 \text{ T/acre/yr} \times 50\% = 0.19 \text{ T/acre/yr}$.

2. Since there is no PM2.5 emission factor data available from Table 11.19.2-2, the emission factor for PM10 was scaled to PM2.5, based on particle size ratio 0.053 to 0.35, as defined in AP-42 5th Ed., Final Section 13.2.4, dated November 2006.

3. Control measures for open area wind erosion are designed to stabilize the exposed surface. Applying dust suppressants or gravel to stabilize disturbed areas after cessation of the disturbance is estimated to yield 84% control efficiency, as defined in the Western Regional Air Partnership (WRAP) Fugitive Dust Handbook, Open Area Wind Blown Dust, Section 8.0, Table 8-7.

4. Exposed area is assumed to be the proposed aggregate processing area, but not the drilling and blasting area consisting of rock surface. Exposed areas are assumed to be the areas of the pit that are exposed over a two-week duration, where topsoils are removed and drilling and blasting occur, as well as berms and benches prior to stabilization. Since 3,600 ft² (0.083 acres) are disturbed for each blast and there are 25 blasts per month, then 1.04 acres is assumed to be disturbed at any given time during the two week period. Areas that are not disturbed consist of hard rock and have negligible potential for wind erosion.

5. Since there was no data for PM4, the emission factor for PM10 was used and scaled to PM4 with the ratio 0.14/0.35, using linear interpolation from PM2.5 and PM5 k values, provided in AP-42, Section 13.2.4, dated November 2006. In a recent study, it was found that the crystalline silica percentage of PM4 particles is only 44% of the crystalline silica percentage in bulk samples of the same rock (Air Control Technologies, 2007). Average bulk sample results at Liberty Quarry indicate 23% crystalline silica. Therefore, crystalline silica emission factors were calculated based on site-specific testing data and are estimated at 10.1% $(0.44 \times 0.23 = 0.101)$ of the PM4 emissions.

Drilling and Blasting - Parameters

ID	Source	Area (ft ²)	holes/blast	Blast Frequency			Tons ANFO/Blast
				blasts/day	blasts/month	blasts/year	
B-1	Blasting Activity	10,800	90	1	4	50	5

Blasting Dust - Emission Factors

ID	Source	Drilling (lb/hole) ^{1, 2}		Blasting (lb/blast) ³	
		PM ₁₀	PM _{2.5}	PM ₁₀	PM _{2.5}
B-1	Blasting	-	-	8.171	0.471
D-1	Drilling	0.169	0.031	-	-

Notes:

1. Emissions Factor Source: AP-42 5th Edition, Section 11.9, Table 11.9-4, October 1998. Assumes 75% Control Efficiency based on drill rotoclone or similar dust shroud device (estimated to be between 63% and 88%, midpoint assumed).

PM₁₀ = TSPx0.52x(1-75%) = 1.3 lbs/hole x 0.52 x 0.25 = 0.169 lb/hole.

2. Emissions factor for PM_{2.5} is calculated based on a similar mechanical process for aggregate rock crushing. The emission factors for tertiary rock crushing will be used, based on AP-42 11.19.2, Table 11.19.2-2, Final Section, updated August 2004. The tertiary crushing emission factor for PM₁₀ is 0.00054 lb/ton and the emissions factor for PM_{2.5} is 0.00010 lb/ton. The ratio of PM_{2.5} to PM₁₀ is 0.00010/0.00054 = 0.185. Since the PM₁₀ emission

3. AP-42 5th Edition, Section 11.9, Table 11.9-1:

PM₁₀ EF = 0.000014(A)^{1.5}(0.52), where A = horizontal area in ft² with a scaling factor for ≤10um of 0.52

PM_{2.5} EF = 0.000014(A)^{1.5}(0.03), where A = horizontal area in ft² with a scaling factor for ≤2.5um of 0.03

4. Drill goes 40 feet deep. Total of 3,000 ft drilling (for 90 holes). Assumes up to 1,000 ft/day drilling

Blasting Dust - Emission Rates

ID	Source	PM ₁₀ Emissions		PM _{2.5} Emissions	
		lb/day	TPY	lb/day	TPY
B-1	Blasting	8.1708	0.20427114	0.4714	0.0118
D-1	Drilling	4.2250	0.38025	2.8139	0.0703
	Total	12.3958	0.5845	3.2852	0.0821

Blasting Gases - ANFO Emission Factors

ID	Source	Pounds of Pollutant per Ton ANFO ¹					
		CO	NO _x	SO _x	CO ₂	CH ₄	N ₂ O
B-1	Blasting Activity	67	17	2	566	0.02	0.005

Notes:

1. Emission Factor Source: AP-42 5th Edition, Section 13.3, Table 13.3-1, February 1980.

Blasting Gases - ANFO Emission Rates Criteria Pollutants

ID	Emissions	CO Emissions		NO _x Emissions		SO _x Emissions	
		lb/day	TPY	lb/day	TPY	lb/day	TPY
B-1	Blasting Activity	335.00	8.38	85.00	2.125	10	0.25

Blasting Gases - ANFO Emission Rates Greenhouse Gases

ID	Emissions	Metric Tons per Year			
		CO ₂	CH ₄	N ₂ O	CO ₂ e
B-1	Blasting Activity	64.18	0.00227	0.00057	64.41

Drilling and Blasting Toxic Air Contaminants

ID	Source	holes/blast	Blast Frequency			Tons ANFO/Blast
			blasts/day	blasts/month	blasts/year	
B1	Blasting Activity	90	1	25	50	5

Dust - PM10

ID	Source	Area (sqft)	PM10 EF Drilling ¹ (lb/hole)	Drilling Control Efficiency ² (%)	PM10 EF Blasting ³ (lb/blast)
B1	Blasting	10800	0	0	8.170845762
Drill1	Drilling ⁴	10800	0.65	75%	0

Notes:

1. Emission Factor Source: AP-42 5th Ed., Section 11.9.2, Table 11.9-4, October 1998. Assumes TSP/PM10 = 2.
2. Control efficiency estimated to be between 63% and 88%, based on drill rotoclone or similar dust shroud device. Assumed midpoint of range reported.
3. AP-42 5th Ed., Section 11.9.2, Table 11.9-1, Also Ref. Appendix E.2 of Background document to AP-42 5th Ed, Section 11.9. PM10 EF = 0.000014(A)1.5(0.52) , where A = horizontal area in ft² with a scaling factor for <10um of 0.52

ID	Source	Area (sqft)	AB2588 Toxic Air Contaminant	Ci (lbs/lb)	EF ¹ (lbs/blast) or (lb/hole)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
B1	Blasting	10,800	Arsenic	1.50E-05	1.23E-04	1.23E-04	1.23E-04	3.06E-06
			Beryllium	1.00E-06	8.17E-06	8.17E-06	8.17E-06	2.04E-07
			Cadmium	1.00E-06	8.17E-06	8.17E-06	8.17E-06	2.04E-07
			Hex-Chromium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Chromium	4.60E-05	3.76E-04	3.76E-04	3.76E-04	9.40E-06
			Copper	9.40E-05	7.68E-04	7.68E-04	7.68E-04	1.92E-05
			Lead	3.00E-05	2.45E-04	2.45E-04	2.45E-04	6.13E-06
			Manganese	5.65E-04	4.62E-03	4.62E-03	4.62E-03	1.15E-04
			Mercury	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Nickle	3.00E-05	2.45E-04	2.45E-04	2.45E-04	6.13E-06
			Selenium	1.00E-06	8.17E-06	8.17E-06	8.17E-06	2.04E-07
Drill1	Drilling ²	10,800	Arsenic	1.50E-05	9.75E-06	2.44E-06	1.60E-05	5.48E-06
			Beryllium	1.00E-06	6.50E-07	1.63E-07	1.07E-06	3.66E-07
			Cadmium	1.00E-06	6.50E-07	1.63E-07	1.07E-06	3.66E-07
			Hex-Chromium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Chromium	4.60E-05	2.99E-05	7.48E-06	4.90E-05	1.68E-05
			Copper	9.40E-05	6.11E-05	1.53E-05	1.00E-04	3.44E-05
			Lead	3.00E-05	1.95E-05	4.88E-06	3.20E-05	1.10E-05
			Manganese	5.65E-04	3.67E-04	9.18E-05	6.02E-04	2.07E-04
			Mercury	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Nickle	3.00E-05	1.95E-05	4.88E-06	3.20E-05	1.10E-05
			Selenium	1.00E-06	6.50E-07	1.63E-07	1.07E-06	3.66E-07

Notes:

1. Calculation procedures to estimate Drilling and Blasting toxic emissions is based on AP-42 5th Ed., Section 11.9.2 , Table 11.9-4 and Table 11.9-1, October 1998. Assumes TSP/PM10 = 2. Also Ref. Appendix E.2 of Background document to AP-42 5th Ed, Section 11.9. This equation has been modified by the San Diego Air Pollution Control District to incorporate toxic emissions, based on trace metal concentrations in Drilling and Blasting operations at Mineral Industry sites, based upon test results from several San Diego County mineral product facilities provided to the District by AWR Consultants in July 1996.
2. Daily drilling emissions based on ability to drill one hole per hour per drill rig for 6.56 hour sper day with two drill rigs.

Drilling and Blasting Crystalline Silica

ID	Source	holes/blast	Blast Frequency			Tons ANFO/Blast
			blasts/day	blasts/month	blasts/year	
B1	Blasting Activity	90	1	25	50	5

ID	Source	Area (sqft)	PM10 EF Drilling ¹ (lb/hole)	PM2.5 EF Drilling ² (lb/hole)	PM4 EF Drilling ⁶ (lb/hole)	Drilling Control Efficiency ³ (%)	PM10 EF Blasting ⁴ (lb/blast)	PM2.5 EF Blasting ⁴ (lb/blast)	PM4 EF Blasting ⁶ (lb/blast)	PM10 Emissions			PM2.5 Emissions			PM4 Emissions			Crystalline Silica Emissions		
										(lb/hr)	(lb/day)	(TPY)	(lb/hr)	(lb/day)	(TPY)	(lb/hr)	(lb/day)	(TPY)	(lb/hr)	(lb/day)	(TPY)
B1	Blasting	10800	-	-	-	-	8.17	0.47	2.01	8.17	8.17	0.20	0.47	0.47	0.01	2.01	2.01	0.05	0.20	0.20	0.01
Drill1	Drilling ⁵	10800	0.65	0.12	0.26	0.75	-	-	-	0.16	1.07	0.37	0.03	0.20	0.07	0.07	0.43	0.15	0.01	0.04	0.01
Total										8.33	9.24	0.57	0.50	0.67	0.08	2.08	2.44	0.20	0.21	0.25	0.02

Notes:

1. Emission Factor Source: AP-42 5th Ed., Section 11.9.2, Table 11.9-4, October 1998. Assumes TSP/PM10 = 2.

2. Emission factor for PM2.5 is calculated based on a similar mechanical process, for aggregate rock crushing. The emission factors for tertiary rock crushing will be used, based on AP-42 11.19.2, Table 11.19.2-2, Final Section, updated August 2004. The tertiary crushing emission factor for PM10 is 0.00054 lb/ton and the emission factor for PM2.5 is 0.00010 lb/ton. The ratio of PM2.5 to PM10 is $0.00010/0.00054 = 0.185$. Since the PM10 emission factor is estimated to be 0.65 lb/hole (see note 1), the emission factor for PM2.5 is estimated to be $0.65 \text{ lb/hole} \times 0.185 = 0.12 \text{ lb/hole}$.

3. Control efficiency estimated to be between 63% and 88%, based on drill rotoclone or similar dust shroud device. Assumed midpoint of range reported.

4. AP-42 5th Ed., Section 11.9.2, Table 11.9-1, Also Ref. Appendix E.2 of Background document to AP-42 5th Ed, Section 11.9.

PM10 EF = $0.000014(A)1.5(0.52)$, where A = horizontal area in ft² with a scaling factor for <10um of 0.52

PM2.5 EF = $0.000014(A)1.5(0.03)$, where A = horizontal area in ft² with a scaling factor for <2.5um of 0.03

PM4 EF = $0.000014(A)1.5(0.128)$, where A = horizontal area in ft² with a scaling factor for <4um of 0.128 (Based on linear interpolation of PM2.5 and PM10).

5. Daily drilling emissions based on ability to drill one hole per hour per drill rig for 6.56 hour per day with two drill rigs.

6. Since there are no emission factors for PM4 provided in AP-42 5th Ed., Section 11.9, the PM10 scaling factor was used and scaled to PM4 using the ratio 0.14/0.35.

7. In a recent study, it was found that the crystalline silica percentage of PM4 particles is only 44% of the crystalline silica percentage in bulk samples of the same rock (Air Control Technologies, 2007). Average bulk sample results at Liberty Quarry indicate 23% crystalline silica. Therefore, crystalline silica emission factors were calculated based on site-specific testing data and are estimated at 10.1% ($0.44 \times 0.23 = 0.101$) of the PM4 emissions.

SUPERIOR READY MIX - PRIMARY PLANT
 OTAY HILLS ROCK CRUSHING PLANT - PM10 EMISSIONS
 800 TON/HOUR 8,000 TON/DAY 1,600,000 TON/YEAR

ID	Source	Throughput (ton/hr)	Description	Description	Control Efficiency	Emission Multiplier	PM10 Emission Factors		PM10 Emission Rates - Controlled		
							Uncontrolled Factor (lb/ton)	Controlled Factor (lb/ton)	lbs/hr	lbs/day	ton/year
TP-1	TRANSFER POINT # 1	800	QUARRY TRUCK TO FEEDER	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	2.80E-01	2.80E+00	2.80E-01
TP-2	TRANSFER POINT # 2	300	GRIZZLY TO CONV. #1	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	1.05E-01	1.05E+00	1.05E-01
TP-3	TRANSFER POINT # 3	800	CONV. #1 TO CONV. #2	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	2.80E-01	2.80E+00	2.80E-01
TP-4	TRANSFER POINT # 4	700	CONV. #3 TO CONV. #4	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	2.45E-01	2.45E+00	2.45E-01
TP-5	TRANSFER POINT # 5	700	CONV. #4 TO CONV. #5	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	2.45E-01	2.45E+00	2.45E-01
TP-6	TRANSFER POINT # 6	100	CONV. #6 TO CONV. #7	WET	0%	1	4.80E-05	4.80E-05	4.80E-03	4.80E-02	4.80E-03
TP-7	TRANSFER POINT # 7	100	CONV. #7 TO CONV. #8	WET	0%	1	4.80E-05	4.80E-05	4.80E-03	4.80E-02	4.80E-03
SUBTOTAL TRANSFER									1.16E+00	1.16E+01	1.16E+00
CR-1	JAW CRUSHER	500	PRIMARY CRUSHING	DRY	0	1	7.00E-04	7.00E-04	3.50E-01	3.50E+00	3.50E-01
CR-2	CONE CRUSHER #1	500	PROCESS CRUSHING	DRY, WITH BAGHOUSE	95%	0.05	2.40E-03	1.20E-04	6.00E-02	6.00E-01	6.00E-02
SUBTOTAL CRUSHING									4.10E-01	4.10E+00	4.10E-01
SC-1	TRIPLE DECK SCREEN #1	800	PROCESS SCREENING	WET	0	1	8.40E-04	8.40E-04	6.72E-01	6.72E+00	6.72E-01
SUBTOTAL SCREENING									6.72E-01	6.72E+00	6.72E-01
TOTAL EMISSIONS PRIMARY PLANT									2.25E+00	2.25E+01	2.25E+00

SUPERIOR READY MIX - SECONDARY PLANT
OTAY HILLS ROCK CRUSHING PLANT - PM10 EMISSIONS
700 TON/HOUR 7,000 TON/DAY 1,400,000 TON/YEAR

ID	Source	Throughput (ton/hr)	Description	Description	Control Efficiency	Emission Multiplier	PM10 Emission Factors		PM10 Emission Rates - Controlled		
							Uncontrolled Factor (lb/ton)	Controlled Factor (lb/ton)	lbs/hr	lbs/day	ton/year
TP-8	TRANSFER POINT # 8	700	BELT FEEDERS TO CONV. # 9	DRY, WATER SPRAY,TUNNEL	75%	0.25	1.40E-03	3.50E-04	2.45E-01	2.45E+00	2.45E-01
TP-9	TRANSFER POINT # 9	700	CONV. # 9 TO CONV. # 10	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	2.45E-01	2.45E+00	2.45E-01
TP-10	TRANSFER POINT # 10	200	CONV. # 11 TO SURGE BIN	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-11	TRANSFER POINT # 11	200	CONV. # 12 TO CONV. # 10	WET	0%	1	4.80E-05	4.80E-05	9.60E-03	9.60E-02	9.60E-03
TP-12	TRANSFER POINT # 12	700	CONV. # 13 TO CONV. # 14	WET	0%	1	4.80E-05	4.80E-05	3.36E-02	3.36E-01	3.36E-02
TP-13	TRANSFER POINT # 13	700	CONV. # 14 TO FEED BINS	WET	0%	1	4.80E-05	4.80E-05	3.36E-02	3.36E-01	3.36E-02
TP-14	TRANSFER POINT # 14	400	FEED BIN #1 TO CONV #15	WET	0%	1	4.80E-05	4.80E-05	1.92E-02	1.92E-01	1.92E-02
TP-15	TRANSFER POINT # 15	400	FEED BIN #2 TO CONV #16	WET	0%	1	4.80E-05	4.80E-05	1.92E-02	1.92E-01	1.92E-02
TP-16	TRANSFER POINT # 16	800	CONV. # 17 TO CONV. # 18	WET	0%	1	4.80E-05	4.80E-05	3.84E-02	3.84E-01	3.84E-02
TP-17	TRANSFER POINT # 17	500	CONV. # 20 TO CONV. # 29	WET	0%	1	4.80E-05	4.80E-05	2.40E-02	2.40E-01	2.40E-02
TP-18	TRANSFER POINT # 18	175	CONV. # 21 TO CONV. # 22	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	6.13E-02	6.13E-01	6.13E-02
TP-19	TRANSFER POINT # 19	175	CONV # 22 TO CONV # 23	DRY, WATER SPRAY, FOG	75%	0.25	1.40E-03	3.50E-04	6.13E-02	6.13E-01	6.13E-02
TP-20	TRANSFER POINT # 20	0	CONV. # 26 TO CONV #13	WET	0%	1	4.80E-05	4.80E-05	0.00E+00	0.00E+00	0.00E+00
TP-21	TRANSFER POINT # 21	100	CONV. # 27 TO CONV #28	WET	0%	1	4.80E-05	4.80E-05	4.80E-03	4.80E-02	4.80E-03
TP-22	TRANSFER POINT # 22	100	CONV. #30 TO CONV #31	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-23	TRANSFER POINT # 23	100	CONV. #31 TO FEED BINS	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SUBTOTAL TRANSFER									7.95E-01	7.95E+00	7.95E-01
CR-3	CONE CRUSHER #2	200	PROCESS CRUSHING	WET	0	1	5.90E-04	5.90E-04	1.18E-01	1.18E+00	1.18E-01
CR-4	VSI CRUSHER #1	400	FINES CRUSHING	DRY, WITH INSERTABLE BAGHO	0.975	0.025	1.50E-02	3.75E-04	1.50E-01	1.50E+00	1.50E-01
CR-5	VSI CRUSHER #1	400	FINES CRUSHING	DRY, WITH INSERTABLE BAGHO	0.975	0.025	1.50E-02	3.75E-04	1.50E-01	1.50E+00	1.50E-01
SUBTOTAL CRUSHING									4.18E-01	4.18E+00	4.18E-01
SC-2	TRIPLE DECK SCREEN #2	700	PROCESS SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-3	DOUBLE DECK SCREEN #3	200	PROCESS SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-4	TRIPLE DECK SCREEN #4	800	PROCESS SCREENING	WET	0	1	8.40E-04	8.40E-04	6.72E-01	6.72E+00	6.72E-01
SC-5	DOUBLE DECK SCREEN #5	175	FINES SCREENING	WET	0	1	2.10E-03	2.10E-03	3.68E-01	3.68E+00	3.68E-01
SC-6	TRIPLE DECK SCREEN #6	500	FINES SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-7	SINGLE DECK SCREEN #7	250	FINES SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SUBTOTAL SCREENING									1.04E+00	1.04E+01	1.04E+00
TOTAL EMISSIONS SECONDARY PLANT									2.25E+00	2.25E+01	2.25E+00
TOTAL ROCK PLANT EMISSIONS									4.50E+00	4.50E+01	4.50E+00

SUPERIOR READY MIX - PRIMARY PLANT
 OTAY HILLS ROCK CRUSHING PLANT - PM2.5 EMISSIONS
 800 TON/HOUR 8,000 TON/DAY 1,600,000 TON/YEAR

ID	Source	Throughput (ton/hr)	Description	Description	Control Efficiency	Emission Multiplier	PM2.5 Emission Factors		PM2.5 Emission Rates - Controlled		
							Controlled PM10 EF (lb/ton)	Ratio PM2.5/PM10	lbs/hr	lbs/day	ton/year
TP-1	TRANSFER POINT # 1	800	QUARRY TRUCK TO FEEDER	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	7.92E-02	7.92E-01	7.92E-02
TP-2	TRANSFER POINT # 2	300	GRIZZLY TO CONV. #1	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	2.97E-02	2.97E-01	2.97E-02
TP-3	TRANSFER POINT # 3	800	CONV. #1 TO CONV. #2	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	7.92E-02	7.92E-01	7.92E-02
TP-4	TRANSFER POINT # 4	700	CONV. #3 TO CONV. #4	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	6.93E-02	6.93E-01	6.93E-02
TP-5	TRANSFER POINT # 5	700	CONV. #4 TO CONV. #5	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	6.93E-02	6.93E-01	6.93E-02
TP-6	TRANSFER POINT # 6	100	CONV. #6 TO CONV. #7	WET	0%	1	4.80E-05	2.83E-01	1.36E-03	1.36E-02	1.36E-03
TP-7	TRANSFER POINT # 7	100	CONV. #7 TO CONV. #8	WET	0%	1	4.80E-05	2.83E-01	1.36E-03	1.36E-02	1.36E-03
SUBTOTAL TRANSFER									3.30E-01	3.30E+00	3.30E-01
CR-1	JAW CRUSHER	500	PRIMARY CRUSHING	DRY	0	1	7.00E-04	1.85E-01	6.48E-02	6.48E-01	6.48E-02
CR-2	CONE CRUSHER #1	500	PROCESS CRUSHING	DRY, WITH BAGHOUSE	95%	0.05	1.20E-04	1.85E-01	1.11E-02	1.11E-01	1.11E-02
SUBTOTAL CRUSHING									7.59E-02	7.59E-01	7.59E-02
SC-1	TRIPLE DECK SCREEN #1	800	PROCESS SCREENING	WET	0	1	8.40E-04	6.80E-02	4.57E-02	4.57E-01	4.57E-02
SUBTOTAL SCREENING									4.57E-02	4.57E-01	4.57E-02
TOTAL EMISSIONS PRIMARY PLANT									4.51E-01	4.51E+00	4.51E-01

SUPERIOR READY MIX - SECONDARY PLANT
OTAY HILLS ROCK CRUSHING PLANT - PM2.5 EMISSIONS
700 TON/HOUR 7,000 TON/DAY 1,400,000 TON/YEAR

ID	Source	Throughput (ton/hr)	Description	Description	Control Efficiency	Emission Multiplier	PM2.5 Emission Factors		PM2.5 Emission Rates - Controlled		
							Controlled PM10 EF (lb/ton)	Ratio PM2.5/PM10	lbs/hr	lbs/day	ton/year
TP-8	TRANSFER POINT # 8	700	BELT FEEDERS TO CONV. # 9	DRY, WATER SPRAY,TUNNEL	75%	0.25	3.50E-04	2.83E-01	6.93E-02	6.93E-01	6.93E-02
TP-9	TRANSFER POINT # 9	700	CONV. # 9 TO CONV. # 10	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	6.93E-02	6.93E-01	6.93E-02
TP-10	TRANSFER POINT # 10	200	CONV. # 11 TO SURGE BIN	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	2.83E-01	0.00E+00	0.00E+00	0.00E+00
TP-11	TRANSFER POINT # 11	200	CONV. # 12 TO CONV. # 10	WET	0%	1	4.80E-05	2.83E-01	2.72E-03	2.72E-02	2.72E-03
TP-12	TRANSFER POINT # 12	700	CONV. # 13 TO CONV. # 14	WET	0%	1	4.80E-05	2.83E-01	9.51E-03	9.51E-02	9.51E-03
TP-13	TRANSFER POINT # 13	700	CONV. # 14 TO FEED BINS	WET	0%	1	4.80E-05	2.83E-01	9.51E-03	9.51E-02	9.51E-03
TP-14	TRANSFER POINT # 14	400	FEED BIN #1 TO CONV #15	WET	0%	1	4.80E-05	2.83E-01	5.43E-03	5.43E-02	5.43E-03
TP-15	TRANSFER POINT # 15	400	FEED BIN #2 TO CONV #16	WET	0%	1	4.80E-05	2.83E-01	5.43E-03	5.43E-02	5.43E-03
TP-16	TRANSFER POINT # 16	800	CONV. # 17 TO CONV. # 18	DRY, WATER SPRAY	50%	0.5	4.80E-05	2.83E-01	1.09E-02	1.09E-01	1.09E-02
TP-17	TRANSFER POINT # 17	500	CONV. # 20 TO CONV. # 29	WET	0%	1	4.80E-05	2.83E-01	6.79E-03	6.79E-02	6.79E-03
TP-18	TRANSFER POINT # 18	175	CONV. # 21 TO CONV. # 22	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	1.73E-02	1.73E-01	1.73E-02
TP-19	TRANSFER POINT # 19	175	CONV # 22 TO CONV # 23	DRY, WATER SPRAY, FOG	75%	0.25	3.50E-04	2.83E-01	1.73E-02	1.73E-01	1.73E-02
TP-20	TRANSFER POINT # 20	0	CONV. # 26 TO CONV #13	DRY, WATER SPRAY	50%	0.5	4.80E-05	2.83E-01	0.00E+00	0.00E+00	0.00E+00
TP-21	TRANSFER POINT # 21	100	CONV. # 27 TO CONV #28	WET	0%	1	4.80E-05	2.83E-01	1.36E-03	1.36E-02	1.36E-03
TP-22	TRANSFER POINT # 22	100	CONV. #30 TO CONV #31	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	2.83E-01	0.00E+00	0.00E+00	0.00E+00
TP-23	TRANSFER POINT # 23	100	CONV. #31 TO FEED BINS	WET WASHED - NO EMISSIONS	0%	1	0.00E+00	2.83E-01	0.00E+00	0.00E+00	0.00E+00
SUBTOTAL TRANSFER									2.25E-01	2.25E+00	2.25E-01
CR-3	CONE CRUSHER #2	200	PROCESS CRUSHING	WET	0	1	5.90E-04	1.85E-01	2.18E-02	2.18E-01	2.18E-02
CR-4	VSI CRUSHER #1	400	FINES CRUSHING	DRY, WITH INSERTABLE BAGHO	0.975	0.025	3.75E-04	1.85E-01	2.78E-02	2.78E-01	2.78E-02
CR-5	VSI CRUSHER #1	400	FINES CRUSHING	DRY, WITH INSERTABLE BAGHO	0.975	0.025	3.75E-04	1.85E-01	2.78E-02	2.78E-01	2.78E-02
SUBTOTAL CRUSHING									7.73E-02	7.73E-01	7.73E-02
SC-2	TRIPLE DECK SCREEN #2	700	PROCESS SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	6.80E-02	0.00E+00	0.00E+00	0.00E+00
SC-3	DOUBLE DECK SCREEN #3	200	PROCESS SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	6.80E-02	0.00E+00	0.00E+00	0.00E+00
SC-4	TRIPLE DECK SCREEN #4	800	PROCESS SCREENING	WET	0	1	8.40E-04	6.80E-02	4.57E-02	4.57E-01	4.57E-02
SC-5	DOUBLE DECK SCREEN #5	175	FINES SCREENING	WET	0	1	2.10E-03	6.80E-02	2.50E-02	2.50E-01	2.50E-02
SC-6	TRIPLE DECK SCREEN #6	500	FINES SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	6.80E-02	0.00E+00	0.00E+00	0.00E+00
SC-7	SINGLE DECK SCREEN #7	250	FINES SCREENING	WET WASH - NO EMISSIONS	0	1	0.00E+00	6.80E-02	0.00E+00	0.00E+00	0.00E+00
SUBTOTAL SCREENING									7.07E-02	7.07E-01	7.07E-02
TOTAL EMISSIONS SECONDARY PLANT									3.73E-01	3.73E+00	3.73E-01
TOTAL ROCK PLANT EMISSIONS									8.24E-01	8.24E+00	8.24E-01

SUPERIOR READY MIX - PRIMARY PLANT

OTAY HILLS ROCK CRUSHING PLANT - TOXICS CALCULATIONS

	ARSENIC		BERYLLIUM		CADMIUM		HEX-CHROMIUM		COPPER	
	22 PPM		1 PPM		1 PPM		0 PPM		37 PPM	
SOURCE	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec
TP-1	1.23E-02	1.77E-07	5.60E-04	8.05E-09	5.60E-04	8.05E-09	0.00E+00	0.00E+00	2.07E-02	2.98E-07
TP-2	4.62E-03	6.65E-08	2.10E-04	3.02E-09	2.10E-04	3.02E-09	0.00E+00	0.00E+00	7.77E-03	1.12E-07
TP-3	1.23E-02	1.77E-07	5.60E-04	8.05E-09	5.60E-04	8.05E-09	0.00E+00	0.00E+00	2.07E-02	2.98E-07
TP-4	1.08E-02	1.55E-07	4.90E-04	7.05E-09	4.90E-04	7.05E-09	0.00E+00	0.00E+00	1.81E-02	2.61E-07
TP-5	1.08E-02	1.55E-07	4.90E-04	7.05E-09	4.90E-04	7.05E-09	0.00E+00	0.00E+00	1.81E-02	2.61E-07
TP-6	2.11E-04	3.04E-09	9.60E-06	1.38E-10	9.60E-06	1.38E-10	0.00E+00	0.00E+00	3.55E-04	5.11E-09
TP-7	2.11E-04	3.04E-09	9.60E-06	1.38E-10	9.60E-06	1.38E-10	0.00E+00	0.00E+00	3.55E-04	5.11E-09
CR-1	1.54E-02	2.22E-07	7.00E-04	1.01E-08	7.00E-04	1.01E-08	0.00E+00	0.00E+00	2.59E-02	3.73E-07
CR-2	2.64E-03	3.80E-08	1.20E-04	1.73E-09	1.20E-04	1.73E-09	0.00E+00	0.00E+00	4.44E-03	6.39E-08
SC-1	2.96E-02	4.25E-07	1.34E-03	1.93E-08	1.34E-03	1.93E-08	0.00E+00	0.00E+00	4.97E-02	7.15E-07
SUBTOTAL	9.89E-02		4.49E-03		4.49E-03		0.00E+00		1.66E-01	

SUPERIOR READY MIX - SECONDARY PLANT

OTAY HILLS ROCK CRUSHING PLANT - TOXICS CALCULATIONS

	ARSENIC		BERYLLIUM		CADMIUM		HEX-CHROMIUM		COPPER	
	22 PPM		1 PPM		1 PPM		0 PPM		37 PPM	
SOURCE	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec
TP-8	1.08E-02	1.55E-07	4.90E-04	7.05E-09	4.90E-04	7.05E-09	0.00E+00	0.00E+00	1.81E-02	2.61E-07
TP-9	1.08E-02	1.55E-07	4.90E-04	7.05E-09	4.90E-04	7.05E-09	0.00E+00	0.00E+00	1.81E-02	2.61E-07
TP-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-11	4.22E-04	6.08E-09	1.92E-05	2.76E-10	1.92E-05	2.76E-10	0.00E+00	0.00E+00	7.10E-04	1.02E-08
TP-12	1.48E-03	2.13E-08	6.72E-05	9.67E-10	6.72E-05	9.67E-10	0.00E+00	0.00E+00	2.49E-03	3.58E-08
TP-13	1.48E-03	2.13E-08	6.72E-05	9.67E-10	6.72E-05	9.67E-10	0.00E+00	0.00E+00	2.49E-03	3.58E-08
TP-14	8.45E-04	1.22E-08	3.84E-05	5.52E-10	3.84E-05	5.52E-10	0.00E+00	0.00E+00	1.42E-03	2.04E-08
TP-15	8.45E-04	1.22E-08	3.84E-05	5.52E-10	3.84E-05	5.52E-10	0.00E+00	0.00E+00	1.42E-03	2.04E-08
TP-16	1.69E-03	2.43E-08	7.68E-05	1.10E-09	7.68E-05	1.10E-09	0.00E+00	0.00E+00	2.84E-03	4.09E-08
TP-17	1.06E-03	1.52E-08	4.80E-05	6.90E-10	4.80E-05	6.90E-10	0.00E+00	0.00E+00	1.78E-03	2.55E-08
TP-18	2.70E-03	3.88E-08	1.23E-04	1.76E-09	1.23E-04	1.76E-09	0.00E+00	0.00E+00	4.53E-03	6.52E-08
TP-19	2.70E-03	3.88E-08	1.23E-04	1.76E-09	1.23E-04	1.76E-09	0.00E+00	0.00E+00	4.53E-03	6.52E-08
TP-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-21	2.11E-04	3.04E-09	9.60E-06	1.38E-10	9.60E-06	1.38E-10	0.00E+00	0.00E+00	3.55E-04	5.11E-09
TP-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CR-3	5.19E-03	7.47E-08	2.36E-04	3.39E-09	2.36E-04	3.39E-09	0.00E+00	0.00E+00	8.73E-03	1.26E-07
CR-4	6.60E-03	9.49E-08	3.00E-04	4.31E-09	3.00E-04	4.31E-09	0.00E+00	0.00E+00	1.11E-02	1.60E-07
CR-5	6.60E-03	9.49E-08	3.00E-04	4.31E-09	3.00E-04	4.31E-09	0.00E+00	0.00E+00	1.11E-02	1.60E-07
SC-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-4	2.96E-02	4.25E-07	1.34E-03	1.93E-08	1.34E-03	1.93E-08	0.00E+00	0.00E+00	4.97E-02	7.15E-07
SC-5	1.62E-02	2.33E-07	7.35E-04	1.06E-08	7.35E-04	1.06E-08	0.00E+00	0.00E+00	2.72E-02	3.91E-07
SC-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SUBTOTAL	9.91E-02		4.50E-03		4.50E-03		0.00E+00		1.67E-01	
TOTAL	1.98E-01		9.00E-03		9.00E-03		0.00E+00		3.33E-01	

SUPERIOR READY MIX - PRIMARY PLANT

OTAY HILLS ROCK CRUSHING PLANT - TOXICS CALCULATIONS

	LEAD		MANGANESE		NICKLE		SELENIUM		ZINC		C. SILICA	
	50	PPM	530	PPM	28	PPM	1	PPM	99	PPM	100,000	PPM
SOURCE	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec
TP-1	2.80E-02	4.03E-07	2.97E-01	4.27E-06	1.57E-02	2.26E-07	5.60E-04	8.05E-09	5.54E-02	7.97E-07	5.60E+01	8.05E-04
TP-2	1.05E-02	1.51E-07	1.11E-01	1.60E-06	5.88E-03	8.46E-08	2.10E-04	3.02E-09	2.08E-02	2.99E-07	2.10E+01	3.02E-04
TP-3	2.80E-02	4.03E-07	2.97E-01	4.27E-06	1.57E-02	2.26E-07	5.60E-04	8.05E-09	5.54E-02	7.97E-07	5.60E+01	8.05E-04
TP-4	2.45E-02	3.52E-07	2.60E-01	3.74E-06	1.37E-02	1.97E-07	4.90E-04	7.05E-09	4.85E-02	6.98E-07	4.90E+01	7.05E-04
TP-5	2.45E-02	3.52E-07	2.60E-01	3.74E-06	1.37E-02	1.97E-07	4.90E-04	7.05E-09	4.85E-02	6.98E-07	4.90E+01	7.05E-04
TP-6	4.80E-04	6.90E-09	5.09E-03	7.32E-08	2.69E-04	3.87E-09	9.60E-06	1.38E-10	9.50E-04	1.37E-08	9.60E-01	1.38E-05
TP-7	4.80E-04	6.90E-09	5.09E-03	7.32E-08	2.69E-04	3.87E-09	9.60E-06	1.38E-10	9.50E-04	1.37E-08	9.60E-01	1.38E-05
CR-1	3.50E-02	5.03E-07	3.71E-01	5.34E-06	1.96E-02	2.82E-07	7.00E-04	1.01E-08	6.93E-02	9.97E-07	7.00E+01	1.01E-03
CR-2	6.00E-03	8.63E-08	6.36E-02	9.15E-07	3.36E-03	4.83E-08	1.20E-04	1.73E-09	1.19E-02	1.71E-07	1.20E+01	1.73E-04
SC-1	6.72E-02	9.67E-07	7.12E-01	1.02E-05	3.76E-02	5.41E-07	1.34E-03	1.93E-08	1.33E-01	1.91E-06	1.34E+02	1.93E-03
SUBTOTAL	2.25E-01		2.38E+00		1.26E-01		4.49E-03		4.45E-01		4.49E+02	

SUPERIOR READY MIX - SECONDARY PLANT

OTAY HILLS ROCK CRUSHING PLANT - TOXICS CALCULATIONS

	LEAD		MANGANESE		NICKLE		SELENIUM		ZINC		C. SILICA	
	50 PPM		530 PPM		28 PPM		1 PPM		99 PPM		100,000 PPM	
SOURCE	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec	LBS/YR	g/sec
TP-8	2.45E-02	3.52E-07	2.60E-01	3.74E-06	1.37E-02	1.97E-07	4.90E-04	7.05E-09	4.85E-02	6.98E-07	4.90E+01	7.05E-04
TP-9	2.45E-02	3.52E-07	2.60E-01	3.74E-06	1.37E-02	1.97E-07	4.90E-04	7.05E-09	4.85E-02	6.98E-07	4.90E+01	7.05E-04
TP-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-11	9.60E-04	1.38E-08	1.02E-02	1.46E-07	5.38E-04	7.73E-09	1.92E-05	2.76E-10	1.90E-03	2.73E-08	1.92E+00	2.76E-05
TP-12	3.36E-03	4.83E-08	3.56E-02	5.12E-07	1.88E-03	2.71E-08	6.72E-05	9.67E-10	6.65E-03	9.57E-08	6.72E+00	9.67E-05
TP-13	3.36E-03	4.83E-08	3.56E-02	5.12E-07	1.88E-03	2.71E-08	6.72E-05	9.67E-10	6.65E-03	9.57E-08	6.72E+00	9.67E-05
TP-14	1.92E-03	2.76E-08	2.04E-02	2.93E-07	1.08E-03	1.55E-08	3.84E-05	5.52E-10	3.80E-03	5.47E-08	3.84E+00	5.52E-05
TP-15	1.92E-03	2.76E-08	2.04E-02	2.93E-07	1.08E-03	1.55E-08	3.84E-05	5.52E-10	3.80E-03	5.47E-08	3.84E+00	5.52E-05
TP-16	3.84E-03	5.52E-08	4.07E-02	5.85E-07	2.15E-03	3.09E-08	7.68E-05	1.10E-09	7.60E-03	1.09E-07	7.68E+00	1.10E-04
TP-17	2.40E-03	3.45E-08	2.54E-02	3.66E-07	1.34E-03	1.93E-08	4.80E-05	6.90E-10	4.75E-03	6.83E-08	4.80E+00	6.90E-05
TP-18	6.13E-03	8.81E-08	6.49E-02	9.34E-07	3.43E-03	4.93E-08	1.23E-04	1.76E-09	1.21E-02	1.74E-07	1.23E+01	1.76E-04
TP-19	6.13E-03	8.81E-08	6.49E-02	9.34E-07	3.43E-03	4.93E-08	1.23E-04	1.76E-09	1.21E-02	1.74E-07	1.23E+01	1.76E-04
TP-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-21	4.80E-04	6.90E-09	5.09E-03	7.32E-08	2.69E-04	3.87E-09	9.60E-06	1.38E-10	9.50E-04	1.37E-08	9.60E-01	1.38E-05
TP-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TP-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CR-3	1.18E-02	1.70E-07	1.25E-01	1.80E-06	6.61E-03	9.50E-08	2.36E-04	3.39E-09	2.34E-02	3.36E-07	2.36E+01	3.39E-04
CR-4	1.50E-02	2.16E-07	1.59E-01	2.29E-06	8.40E-03	1.21E-07	3.00E-04	4.31E-09	2.97E-02	4.27E-07	3.00E+01	4.31E-04
CR-5	1.50E-02	2.16E-07	1.59E-01	2.29E-06	8.40E-03	1.21E-07	3.00E-04	4.31E-09	2.97E-02	4.27E-07	3.00E+01	4.31E-04
SC-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-4	6.72E-02	9.67E-07	7.12E-01	1.02E-05	3.76E-02	5.41E-07	1.34E-03	1.93E-08	1.33E-01	1.91E-06	1.34E+02	1.93E-03
SC-5	3.68E-02	5.29E-07	3.90E-01	5.60E-06	2.06E-02	2.96E-07	7.35E-04	1.06E-08	7.28E-02	1.05E-06	7.35E+01	1.06E-03
SC-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SUBTOTAL	2.25E-01		2.39E+00		1.26E-01		4.50E-03		4.46E-01		4.50E+02	
TOTAL	4.50E-01		4.77E+00		2.52E-01		9.00E-03		8.91E-01		9.00E+02	

Storage Piles and Loading Operations Dust and Toxic Air Contaminants

Storage Piles

ID	Source	PM10 EF ² (lb/ac/day)	Control Method	Control Efficiency ³	Pile Size ⁴ (acres)	PM10 Emissions			PM2.5 Emissions ⁵		
						lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
SP1	Primary Surge Pile	6.5	Wet Suppression	90%	0.406	0.03	0.26	0.05	0.01	0.08	0.01
SP2	Quarry Fines Pile	6.5	Wet Suppression	90%	0.256	0.01	0.17	0.03	0.00	0.05	0.01
SP6	3/4 Active Storage Pile	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP7	1/2 Active Storage Pile	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP8	3/8 Active Storage Pile	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP9	Asphalt Sand Pile 1	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP10	Asphalt Sand Pile 2	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP11	Recycle Asphalt Pile	6.5	Wet Suppression	90%	0.064	0.00	0.04	0.01	0.00	0.01	0.00
SP12	Concrete Sand Pile 1	6.5	Underground Conveyor Tunnel	100%	0.226	-	-	-	-	-	-
SP13	Concrete Sand Pile 2	6.5		100%	0.226	-	-	-	-	-	-
SP14	Concrete Sand Pile 3	6.5		100%	0.226	-	-	-	-	-	-
SP15	Concrete & Asphalt Recycle Pile 1	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP16	Concrete & Asphalt Recycle Pile 2	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP17	Concrete & Asphalt Recycle Pile 3	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
SP18	Concrete & Asphalt Recycle Pile 4	6.5	Wet Suppression	90%	0.18	0.01	0.12	0.02	0.00	0.03	0.01
TOTAL						0.13	1.52	0.28	0.04	0.45	0.08

1.Storage Piles are active 365 days per year.

2.Emission Factor Source: SDAPCD Engineering Emissions Inventory

https://www.sandiegocounty.gov/content/sdc/apcd/en/engineering/Permits/Engineering_Emissions_Inventory/Mineral_Products_Calc.html

3.AP-42 Section 13.2.4-4 states wet suppression results in 90% control.

4.Storage pile areas (acreage) are based on estimated capacity area of the storage piles in the facility diagram, provided by Superior Ready Mix, March 29, 2012.

5. PM2.5 emissions estimated using fraction of PM10 as shown in the California Emission Inventory Data and Reporting System (CEIDARS) tables available at [http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-\(pm\)-2.5-significance-thresholds-and-calculation-methodology/final_pm2_5methodology.pdf?sfvrsn=2](http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-(pm)-2.5-significance-thresholds-and-calculation-methodology/final_pm2_5methodology.pdf?sfvrsn=2)

Trace Metal Concentrations in Aggregate Released From Storage Piles

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-1	Primary Surge Pile	Arsenic	20	2.00E-05	1.30E-04	2.20E-07	5.28E-06	9.63E-07
		Beryllium	1	1.00E-06	6.50E-06	1.10E-08	2.64E-07	4.82E-08
		Cadmium	1	1.00E-06	6.50E-06	1.10E-08	2.64E-07	4.82E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	50	5.00E-05	3.25E-04	5.50E-07	1.32E-05	2.41E-06
		Copper	100	1.00E-04	6.50E-04	1.10E-06	2.64E-05	4.82E-06
		Lead	50	5.00E-05	3.25E-04	5.50E-07	1.32E-05	2.41E-06
		Manganese	500	5.00E-04	3.25E-03	5.50E-06	1.32E-04	2.41E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	20	2.00E-05	1.30E-04	2.20E-07	5.28E-06	9.63E-07
		Selenium	5	5.00E-06	3.25E-05	5.50E-08	1.32E-06	2.41E-07
		Crystalline Silica	100,000	1.00E-01	6.50E-01	1.10E-03	2.64E-02	4.82E-03
		Zinc	200	2.00E-04	1.30E-03	2.20E-06	5.28E-05	9.63E-06
ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-2	Quarry Fines Pile	Arsenic	22	2.20E-05	1.43E-04	1.53E-07	3.66E-06	6.68E-07
		Beryllium	1	1.00E-06	6.50E-06	6.93E-09	1.66E-07	3.04E-08
		Cadmium	1	1.00E-06	6.50E-06	6.93E-09	1.66E-07	3.04E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.94E-07	4.66E-06	8.50E-07
		Copper	37	3.70E-05	2.41E-04	2.57E-07	6.16E-06	1.12E-06
		Lead	50	5.00E-05	3.25E-04	3.47E-07	8.32E-06	1.52E-06
		Manganese	530	5.30E-04	3.45E-03	3.67E-06	8.82E-05	1.61E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.94E-07	4.66E-06	8.50E-07
		Selenium	1	1.00E-06	6.50E-06	6.93E-09	1.66E-07	3.04E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	6.93E-04	1.66E-02	3.04E-03
		Zinc	200	2.00E-04	1.30E-03	1.39E-06	3.33E-05	6.07E-06
ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-6	3/4 Active Storage Pile	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-7	1/2 Active Storage Pile	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06
ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-8	3/8 Active Storage Pile	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06
ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-9	Asphalt Sand Pile 1	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-10	Asphalt Sand Pile 2	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06
ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-11	Recycle Asphalt Pile	Arsenic	22	2.20E-05	1.43E-04	3.81E-08	9.15E-07	1.67E-07
		Beryllium	1	1.00E-06	6.50E-06	1.73E-09	4.16E-08	7.59E-09
		Cadmium	1	1.00E-06	6.50E-06	1.73E-09	4.16E-08	7.59E-09
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	4.85E-08	1.16E-06	2.13E-07
		Copper	37	3.70E-05	2.41E-04	6.41E-08	1.54E-06	2.81E-07
		Lead	50	5.00E-05	3.25E-04	8.67E-08	2.08E-06	3.80E-07
		Manganese	530	5.30E-04	3.45E-03	9.19E-07	2.20E-05	4.02E-06
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	4.85E-08	1.16E-06	2.13E-07
		Selenium	1	1.00E-06	6.50E-06	1.73E-09	4.16E-08	7.59E-09
		Crystalline Silica	100,000	1.00E-01	6.50E-01	1.73E-04	4.16E-03	7.59E-04
		Zinc	200	2.00E-04	1.30E-03	3.47E-07	8.32E-06	1.52E-06
ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-12	Concrete Sand Pile 1 No Emissions Due to underground conveyor	Arsenic	22	2.20E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00
		Beryllium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Cadmium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Copper	37	3.70E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00
		Lead	50	5.00E-05	3.25E-04	0.00E+00	0.00E+00	0.00E+00
		Manganese	530	5.30E-04	3.45E-03	0.00E+00	0.00E+00	0.00E+00
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Selenium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Crystalline Silica	100,000	1.00E-01	6.50E-01	0.00E+00	0.00E+00	0.00E+00
		Zinc	200	2.00E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-13	Concrete Sand Pile 2 No Emissions Due to underground conveyor	Arsenic	22	2.20E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00
		Beryllium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Cadmium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Copper	37	3.70E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00
		Lead	50	5.00E-05	3.25E-04	0.00E+00	0.00E+00	0.00E+00
		Manganese	530	5.30E-04	3.45E-03	0.00E+00	0.00E+00	0.00E+00
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Selenium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Crystalline Silica	100,000	1.00E-01	6.50E-01	0.00E+00	0.00E+00	0.00E+00
		Zinc	200	2.00E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00
ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-14	Concrete Sand Pile 3 No Emissions Due to underground conveyor	Arsenic	22	2.20E-05	1.43E-04	0.00E+00	0.00E+00	0.00E+00
		Beryllium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Cadmium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Copper	37	3.70E-05	2.41E-04	0.00E+00	0.00E+00	0.00E+00
		Lead	50	5.00E-05	3.25E-04	0.00E+00	0.00E+00	0.00E+00
		Manganese	530	5.30E-04	3.45E-03	0.00E+00	0.00E+00	0.00E+00
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
		Selenium	1	1.00E-06	6.50E-06	0.00E+00	0.00E+00	0.00E+00
		Crystalline Silica	100,000	1.00E-01	6.50E-01	0.00E+00	0.00E+00	0.00E+00
		Zinc	200	2.00E-04	1.30E-03	0.00E+00	0.00E+00	0.00E+00
ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-15	Concrete & Asphalt Recycle Pile 1	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-16	Concrete & Asphalt Recycle Pile 2	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06
ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-17	Concrete & Asphalt Recycle Pile 3	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06

ID	Source	AB2588 Toxic Air Contaminant	Ci (ppmw)	Ci (lbs/lb)	EF ¹ (lb/ac/day)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
SP-18	Concrete & Asphalt Recycle Pile 4	Arsenic	22	2.20E-05	1.43E-04	1.07E-07	2.57E-06	4.70E-07
		Beryllium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Cadmium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Hex-Chromium	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Chromium	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Copper	37	3.70E-05	2.41E-04	1.80E-07	4.33E-06	7.90E-07
		Lead	50	5.00E-05	3.25E-04	2.44E-07	5.85E-06	1.07E-06
		Manganese	530	5.30E-04	3.45E-03	2.58E-06	6.20E-05	1.13E-05
		Mercury	-	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
		Nickle	28	2.80E-05	1.82E-04	1.37E-07	3.28E-06	5.98E-07
		Selenium	1	1.00E-06	6.50E-06	4.88E-09	1.17E-07	2.14E-08
		Crystalline Silica	100,000	1.00E-01	6.50E-01	4.88E-04	1.17E-02	2.14E-03
		Zinc	200	2.00E-04	1.30E-03	9.75E-07	2.34E-05	4.27E-06

Notes:

1. Trace metal concentrations in aggregate, released from storage piles estimates are based upon test results from several San Diego County mineral product facilities provided to the District by AWR Consultants in July 1996. Trace metal values obtained from San Diego Air Pollution Control District Emission Factor Guidance, "Mineral Products Industry - Aggregate", modified December 30, 1998.

Example Storage Pile Calculation:

Arsenic (lb/acre/day):

$$EF = PM_{10} EF \times Ci \times (1-e)$$

Arsenic (lb/day):

$$EAs = EF \times \text{Pile Size (acres)} \times (1 - \text{control Eff})$$

$$= 2.10E-04 \text{ lb/acre/day} \times 0.406 \text{ acres} \times (1 - 0.9) = 3.35E-06 \text{ lb/day}$$

Summary Totals - Storage Piles

AB2588 Toxic Air Contaminant	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
Arsenic	1.38E-06	3.30E-05	6.03E-06
Beryllium	6.35E-08	1.52E-06	2.78E-07
Cadmium	6.35E-08	1.52E-06	2.78E-07
Hex-Chromium	0.00E+00	0.00E+00	0.00E+00
Chromium	2.02E-06	4.85E-05	8.85E-06
Copper	3.04E-06	7.30E-05	1.33E-05
Lead	3.18E-06	7.62E-05	1.39E-05
Manganese	3.33E-05	8.00E-04	1.46E-04
Mercury	0.00E+00	0.00E+00	0.00E+00
Nickle	1.69E-06	4.06E-05	7.41E-06
Selenium	1.08E-07	2.58E-06	4.71E-07
Crystalline Silica	6.35E-03	1.52E-01	2.78E-02
Zinc	1.27E-05	3.05E-04	5.57E-05

Cement Treated Base - Dust and Toxic Emissions

High Production:

	2% Cement	90% Aggregate and Sand
400 TPH	8 TPH Cement	360 TPH Agg&Sand
4,000 TPD	80 TPD Cement	3,600 TPD Agg&Sand
320,000 TPY	6,400 TPY Cement	288,000 TPY Agg&Sand
10 hrs/day	Note: 8% Water	

Emission Factors

ID	Source	PM10 (lb/ton)	PM2.5 (lb/ton)
CTB2	Cement Unloading to Silo	4.90E-03	1.13E-03
CTB1	Aggregate Unloading to Pugmill	3.40E-04	7.85E-05

*Conveyors to Concrete Batch Plant are shown with the Aggregate emission sources.

ID	Source	PM10 Emissions			PM2.5 Emissions		
		lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
CTB2	Cement Unloading to Silo	3.92E-02	3.92E-01	1.57E-02	9.04E-03	9.04E-02	3.62E-03
CTB1	Aggregate Unloading to Pugmill	1.22E-01	1.22E+00	4.90E-02	2.83E-02	2.83E-01	1.13E-02
	Total	1.62E-01	1.62E+00	6.46E-02	3.73E-02	3.73E-01	1.49E-02

Notes:

1. Emission Factor Source: SDAPCD Engineering Emissions Inventory

https://www.sandiegocounty.gov/content/sdc/apcd/en/engineering/Permits/Engineering_Emissions_Inventory/Mineral_Products_Calc.html

ID	Operation	AB2588 Toxic Air Contaminant	CI (ppmw)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
CTB2	Concrete Plant Cement Unloading to Storage Silo w/ Baghouse	Arsenic	15	5.88E-07	5.88E-06	2.35E-07
		Beryllium	1	3.92E-08	3.92E-07	1.57E-08
		Cadmium	1	3.92E-08	3.92E-07	1.57E-08
		Hex-Chromium	2	7.84E-08	7.84E-07	3.14E-08
		Chromium	50	1.96E-06	1.96E-05	7.84E-07
		Copper	46	1.80E-06	1.80E-05	7.21E-07
		Lead	33	1.29E-06	1.29E-05	5.17E-07
		Manganese	420	1.65E-05	1.65E-04	6.59E-06
		Nickel	18	7.06E-07	7.06E-06	2.82E-07
		Selenium	1	3.92E-08	3.92E-07	1.57E-08
		Crystalline Silica	100,000	3.92E-03	3.92E-02	1.57E-03
		Zinc	140	5.49E-06	5.49E-05	2.20E-06
CTB1	Concrete Plant Aggregate Unloading to Pugmill	Arsenic	15	1.84E-06	1.84E-05	7.34E-07
		Beryllium	1	1.22E-07	1.22E-06	4.90E-08
		Cadmium	1	1.22E-07	1.22E-06	4.90E-08
		Hex-Chromium	2	2.45E-07	2.45E-06	9.79E-08
		Chromium	50	6.12E-06	6.12E-05	2.45E-06
		Copper	46	5.63E-06	5.63E-05	2.25E-06
		Lead	33	4.04E-06	4.04E-05	1.62E-06
		Manganese	420	5.14E-05	5.14E-04	2.06E-05
		Nickel	18	2.20E-06	2.20E-05	8.81E-07
		Selenium	1	1.22E-07	1.22E-06	4.90E-08
		Crystalline Silica	100,000	1.22E-02	1.22E-01	4.90E-03
		Zinc	140	1.71E-05	1.71E-04	6.85E-06

1. Emission Factor Source: Concrete Batch Plant Toxic Emission Factors based on AP-42 11.12 Concrete Batching.

Summary Totals

Toxic	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
Arsenic	2.42E-06	2.42E-05	9.70E-07
Beryllium	1.62E-07	1.62E-06	6.46E-08
Cadmium	1.62E-07	1.62E-06	6.46E-08
Hex-Chromium	3.23E-07	3.23E-06	1.29E-07
Chromium	8.08E-06	8.08E-05	3.23E-06
Copper	7.43E-06	7.43E-05	2.97E-06
Lead	5.33E-06	5.33E-05	2.13E-06
Manganese	6.79E-05	6.79E-04	2.71E-05
Nickel	2.91E-06	2.91E-05	1.16E-06
Selenium	1.62E-07	1.62E-06	6.46E-08
Crystalline Silica	1.62E-02	1.62E-01	6.46E-03
Zinc	2.26E-05	2.26E-04	9.05E-06

Hot Mix Asphalt Plant - Utilizing RAP Crystalline Silica

Hot Mix Drum Burner

1,595 MMBtu/day
 26,250 MMBtu/year
 275,000 Btu/ton

Maximum Production

500 TPH asphalt (aggregate + RAP + oil)
 5,000 TPD asphalt (aggregate + RAP + oil)
 600,000 TPY asphalt (aggregate + RAP + oil)
 5 % oil in asphalt product
 15 % RAP in asphalt product
 500 TPH aggregate w/o RAP
 5,000 TPD aggregate w/o RAP
 600,000 TPY aggregate w/o RAP
 10 hrs/day

Production

ID	Equipment Category	Description	Hourly		Daily		Annual	
			TPH	MMBtu/hr	TPD	MMBtu/day	TPY	MMBtu/yr
Cold Side Aggregate								
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	50	0	500	0	600	0
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	50	0	500	0	600	0
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	100	0	1,000	0	1,200	0
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	200	0	2,000	0	2,400	0
AS1	Aggregate Screen	conveyor to scalping screen 1	400	0	4,000	0	4,800	0
TC5	Transfer Conveyor	scalping screen to conveyor	400	0	4,000	0	4800	0
Cold Side RAP								
RAP1	RAP Feeder Loading	RAP storage pile to bin	75	0	750	0	900	0
HSI1	Crusher (with Fabric Filter)	HSI crusher emissions	75	0	750	0	900	0
TC6	Transfer Conveyor	Conveyor to scalping screen #2	75	0	750	0	900	0
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	75	0	750	0	900	0
TC7	Transfer Conveyor	Conveyor to conveyor	75	0	750	0	900	0
HMA Plant								
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	500	100.7	5,000	1,007	600,000	120,080
HMA2	HMA Plant Loadout	Screens/bins /pug mill	50	0	500	0	600	0
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	450	0	4,500	0	5,400	0
HMA4	Hot Oil Heater	Hot Oil Heater	500	5	5,000	48	600,000	6,250

Emission Factors

ID	Equipment Category	Description	PM10	PM4	Crystalline Silica	Units
<i>Cold Side Aggregate</i>						
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	lb/ton
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	lb/ton
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	lb/ton
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	lb/ton
AS1	Aggregate Screen	conveyor to scalping screen 1	7.40E-04	2.96E-04	2.99E-05	lb/ton
TC5	Transfer Conveyor	scalping screen to conveyor	4.60E-05	1.84E-05	1.86E-06	lb/ton
<i>Cold Side RAP</i>						
RAP1	RAP Feeder Loading	RAP storage pile to bin	1.40E-03	5.60E-04	5.66E-05	lb/ton
HSI1	Crusher (with Fabric Filter)	HSI crusher emissions	2.40E-03	9.60E-04	9.70E-05	lb/ton
TC6	Transfer Conveyor	Conveyor to scalping screen #2	4.60E-05	1.84E-05	1.86E-06	lb/ton
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	7.40E-04	2.96E-04	2.99E-05	lb/ton
TC7	Transfer Conveyor	Conveyor to conveyor	4.60E-05	1.84E-05	1.86E-06	lb/ton
<i>HMA Plant</i>						
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse				lb/ton
HMA2	HMA Plant Loadout	Screens/bins /pug mill	5.22E-04	5.22E-04	5.27E-05	lb/ton
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	5.86E-04	5.86E-04	5.92E-05	lb/ton
HMA4	Hot Oil Heater	Hot Oil Heater				lb/ton

1.AP-42 5th Ed. Final Section 11.1 updated April 2004, Table 11.1-14. Predictive emission factor equations for loadout and filling operations. Total PM is assumed to be predominantly PM2.5 since emissions consist of condensed vapors based on Footnote b of Table 11.1-14.

Example Calculation: Total PM Loadout EF = $0.000181 + 0.00141(-V)e^{((0.0251)(T+460)-20.43)}$, where V = -0.5, T = 325oF, based on default equation

Total PM10 Loadout EF = $0.000181 + 0.00141(0.5)e^{((0.0251)(325+460)-20.43)}$ = 5.22E-04 lb/ton

2.AP-42 5th Ed. Final Section 11.1 updated April 2004, Table 11.1-14. Predictive emission factor equations for loadout and filling operations. Total PM is assumed to be predominantly PM2.5 since emissions consist of condensed vapors based on Footnote b of Table 11.1-14.

Example Calculation: Total PM Silo Filling EF = $0.000332 + 0.00105(-V)e^{((0.0251)(T+460)-20.43)}$, where V = -0.5, T = 325oF, based on default equation

Total PM10 Loadout EF = $0.000332 + 0.00105(0.5)e^{((0.0251)(325+460)-20.43)}$ = 5.86E-04 lb/ton

3.Based on controlled emission factors (with wet suppression) for applicable activity provided in Table 11.19.2-2 (Crushed Stone Processing and Pulverized Mineral Processing), AP-42 5th Ed. Final Section 11.19.2 updated August 2004. Since there was no data for PM4, the controlled emission factor for PM10 was used and scaled to PM4 using the ratio 0.14/0.35, using linear interpolation from PM2.5 and PM5 k values, provided in AP-42, Section 13.2.4, dated November 2006. In a recent AWMA study, it was found that the crystalline silica percentage of PM4 particles is only 44% of the crystalline silica percentage in bulk samples of the same rock (Air Control Technologies, 2007). Average bulk sample results indicate 23% crystalline silica. Therefore, crystalline silica emission factors were recalculated based on site-specific testing data and are estimated at 10.1% ($0.44 \times 0.23 = 0.101$) of the PM4 emissions.

4.Baghouses are assumed to have greater than 99% control efficiency, based on Martin, Insertable Dust Collector, vendor data, which states, "High efficiency filters remove 99.9 percent of all particles larger than one micron." <http://www.martin-eng.com/products.php?product=86>. However, 97.5% control efficiency was applied, as a conservative estimate for these PTE calculations.

Hourly Emissions

ID	Equipment Category	Description	PM10 (lb/hr)	PM4 (lb/hr)	Crystalline Silica (lb/hr)	Source Type
<i>Cold Side Aggregate</i>						
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
AS1	Aggregate Screen	conveyor to scalping screen 1	2.96E-01	1.18E-01	1.20E-02	Point
TC5	Transfer Conveyor	scalping screen to conveyor	1.84E-02	7.36E-03	7.43E-04	Point
<i>Cold Side RAP</i>						
RAP1	RAP Feeder Loading	RAP storage pile to bin	1.05E-01	4.20E-02	4.24E-03	Volume
HS1	Crusher (with Fabric Filter	HSI crusher emissions	1.80E-01	7.20E-02	7.27E-03	Volume
TC6	Transfer Conveyor	Conveyor to scalping screen #2	3.45E-03	1.38E-03	1.39E-04	Volume
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	5.55E-02	2.22E-02	2.24E-03	Volume
TC7	Transfer Conveyor	Conveyor to conveyor	3.45E-03	1.38E-03	1.39E-04	Point
<i>HMA Plant</i>						
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	0.00E+00	0.00E+00	0.00E+00	Volume
HMA2	HMA Plant Loadout	Screens/bins /pug mill	2.61E-02	2.61E-02	2.64E-03	Volume
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	2.64E-01	2.64E-01	2.66E-02	Volume
HMA4	Hot Oil Heater	Hot Oil Heater	0.00E+00	0.00E+00	0.00E+00	Point
		Total	9.52E-01	5.55E-01	5.60E-02	

Daily Emissions

ID	Equipment Category	Description	PM10 (lb/day)	PM4 (lb/day)	Crystalline Silica (lb/day)	Source Type
<i>Cold Side Aggregate</i>						
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
AS1	Aggregate Screen	conveyor to scalping screen 1	2.96E+00	1.18E+00	1.20E-01	Point
TC5	Transfer Conveyor	scalping screen to conveyor	1.84E-01	7.36E-02	7.43E-03	Point
<i>Cold Side RAP</i>						
RAP1	RAP Feeder Loading	RAP storage pile to bin	1.05E+00	4.20E-01	4.24E-02	Volume
HS1	Crusher (with Fabric Filter	HSI crusher emissions	1.80E+00	7.20E-01	7.27E-02	Volume
TC6	Transfer Conveyor	Conveyor to scalping screen #2	3.45E-02	1.38E-02	1.39E-03	Volume
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	5.55E-01	2.22E-01	2.24E-02	Volume
TC7	Transfer Conveyor	Conveyor to conveyor	3.45E-02	1.38E-02	1.39E-03	Point
<i>HMA Plant</i>						
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	0.00E+00	0.00E+00	0.00E+00	Volume
HMA2	HMA Plant Loadout	Screens/bins /pug mill	2.61E-01	2.61E-01	2.64E-02	Volume
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	2.64E+00	2.64E+00	2.66E-01	Volume
HMA4	Hot Oil Heater	Hot Oil Heater	0.00E+00	0.00E+00	0.00E+00	Point
		Total	9.52E+00	5.55E+00	5.60E-01	

Annual Emissions

ID	Equipment Category	Description	PM10 (TPY)	PM4 (TPY)	Crystalline Silica (TPY)	Source Type
<i>Cold Side Aggregate</i>						
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	0.00E+00	0.00E+00	0.00E+00	
AS1	Aggregate Screen	conveyor to scalping screen 1	1.78E-03	7.10E-04	7.18E-05	Point
TC5	Transfer Conveyor	scalping screen to conveyor	1.10E-04	4.42E-05	4.46E-06	Point
<i>Cold Side RAP</i>						
RAP1	RAP Feeder Loading	RAP storage pile to bin	6.30E-04	2.52E-04	2.55E-05	Volume
HSI1	Crusher (with Fabric Filter	HSI crusher emissions	1.08E-03	4.32E-04	4.36E-05	Volume
TC6	Transfer Conveyor	Conveyor to scalping screen #2	2.07E-05	8.28E-06	8.36E-07	Volume
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	3.33E-04	1.33E-04	1.35E-05	Volume
TC7	Transfer Conveyor	Conveyor to conveyor	2.07E-05	8.28E-06	8.36E-07	Point
<i>HMA Plant</i>						
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	0.00E+00	0.00E+00	0.00E+00	Point
HMA2	HMA Plant Loadout	Screens/bins /pug mill	1.57E-04	1.57E-04	1.58E-05	Volume
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	1.58E-03	1.58E-03	1.60E-04	Volume
HMA4	Hot Oil Heater	Hot Oil Heater	0.00E+00	0.00E+00	0.00E+00	Point
		Total	5.71E-03	3.33E-03	3.36E-04	

Reference:

John R. Richards, Todd T. Brozell, Charles Rea, Geoff Boraston & John Hayden (2009): PM4

Crystalline Silica Emission Factors and Ambient Concentrations at Aggregate-Producing Sources in California, Journal of the Air & Waste Management Association, 59:11, 1287-1295

Hot Mix Asphalt Plant - Utilizing RAP Criteria Pollutant and Toxic Air Contaminants

Hot Mix Drum Burner

1,595 MMBtu/day
 26,250 MMBtu/year
 275,000 Btu/ton

Maximum Production

500 TPH asphalt (aggregate + RAP + oil)
 5,000 TPD asphalt (aggregate + RAP + oil)
 600,000 TPY asphalt (aggregate + RAP + oil)
 5 % oil in asphalt product
 15 % RAP in asphalt product
 500 TPH aggregate w/o RAP
 5,000 TPD aggregate w/o RAP
 600,000 TPY aggregate w/o RAP
 10 hrs/day

Production

ID	Equipment Category	Description	Hourly		Daily		Annual	
			TPH	MMBtu/hr	TPD	MMBtu/day	TPY	MMBtu/yr
Cold Side Aggregate								
TC1	Transfer Conveyor	3/4" aggregate stockpile to conveyor	50	-	500	-	600	-
TC2	Transfer Conveyor	1/2" aggregate stockpile to conveyor	50	-	500	-	600	-
TC3	Transfer Conveyor	3/8" aggregate stockpile to conveyor	100	-	1,000	-	1,200	-
TC4	Transfer Conveyor	sand aggregate stockpile to conveyor	200	-	2,000	-	2,400	-
AS1	Aggregate Screen	conveyor to scalping screen 1	400	-	4,000	-	4,800	-
TC5	Transfer Conveyor	scalping screen to conveyor	400	-	4,000	-	4,800	-
Cold Side RAP								
RAP1	RAP Feeder Loading	RAP storage pile to bin	75	-	750	-	900	-
HS11	Crusher (with Fabric Filter)	HSI crusher emissions	75	-	750	-	900	-
TC6	Transfer Conveyor	Conveyor to scalping screen #2	75	-	750	-	900	-
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	75	-	750	-	900	-
TC7	Transfer Conveyor	Conveyor to conveyor	75	-	750	-	900	-
HMA Plant								
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	500	101	5,000	1,007	600,000	120,080
HMA2	HMA Plant Loadout	Screens/bins /pug mill	50	-	500	-	600	-
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	450	-	4,500	-	5,400	-
HMA4	Hot Oil Heater	Hot Oil Heater	500	5	5,000	48	600,000	6,250

Criteria Pollutant and GHG Emission Factors

ID	Equipment Category	Description	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O	Units
<i>Cold Side Aggregate</i>												
AS1	Aggregate Screen	conveyor to scalping screen 1	-	-	-	-	7.40E-04	5.00E-05	-	-	-	lb/ton
TC5	Transfer Conveyor	scalping screen to conveyor	-	-	-	-	4.60E-05	1.30E-05	-	-	-	lb/ton
<i>Cold Side RAP</i>												
RAP1	RAP Feeder Loading	RAP storage pile to bin	-	-	-	-	1.40E-03	3.90E-04	-	-	-	lb/ton
HS11	Crusher (with Fabric Filter)	HSI crusher emissions	-	-	-	-	2.40E-03	6.78E-04	-	-	-	lb/ton
TC6	Transfer Conveyor	Conveyor to scalping screen #2	-	-	-	-	4.60E-05	1.30E-05	-	-	-	lb/ton
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	-	-	-	-	7.40E-04	5.00E-05	-	-	-	lb/ton
TC7	Transfer Conveyor	Conveyor to conveyor	-	-	-	-	4.60E-05	1.30E-05	-	-	-	lb/ton
<i>HMA Plant</i>												
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	3.20E-02	1.30E-01	2.60E-02	3.40E-03	9.50E-03	6.60E-03	3.30E+01	1.20E-02	1.20E-02	lb/MMBtu
HMA2	HMA Plant Loadout	Screens/bins /pug mill	4.16E-03	1.35E-03	-	-	5.22E-04	5.20E-04	-	-	-	lb/ton
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	1.22E-02	1.18E-03	-	-	5.86E-04	5.90E-04	-	-	-	lb/ton
HMA4	Hot Oil Heater	Hot Oil Heater	1.30E-02	3.70E-02	1.50E-02	2.60E-05	7.00E-03	7.00E-03	1.18E+02	2.25E-03	2.16E-03	lb/MMBtu

Criteria Pollutant and GHG Emission Rates - Daily Emission Rates

ID	Equipment Category	Description	ROG lbs/day	CO lbs/day	NOX lbs/day	SOX lbs/day	PM10 lbs/day	PM2.5 lbs/day	CO2 lbs/day	CH4 lbs/day	N2O lbs/day	CO2e lbs/day
<i>Cold Side Aggregate</i>												
AS1	Aggregate Screen	conveyor to scalping screen 1	-	-	-	-	2.96	0.20	-	-	-	-
TC5	Transfer Conveyor	scalping screen to conveyor	-	-	-	-	0.18	0.05	-	-	-	-
<i>Cold Side RAP</i>												
RAP1	RAP Feeder Loading	RAP storage pile to bin	-	-	-	-	1.05	0.29	-	-	-	-
HS11	Crusher (with Fabric Filter)	HSI crusher emissions	-	-	-	-	1.80	0.51	-	-	-	-
TC6	Transfer Conveyor	Conveyor to scalping screen #2	-	-	-	-	0.03	0.01	-	-	-	-
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	-	-	-	-	0.56	0.04	-	-	-	-
TC7	Transfer Conveyor	Conveyor to conveyor	-	-	-	-	0.03	0.01	-	-	-	-
<i>HMA Plant</i>												
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	32.22	130.91	26.18	3.42	9.57	6.65	33,231.00	12.08	12.08	37,230.80
HMA2	HMA Plant Loadout	Screens/bins /pug mill	2.08	0.68	-	-	0.26	0.26	-	-	-	-
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	54.90	5.31	-	-	2.64	2.66	-	-	-	-
HMA4	Hot Oil Heater	Hot Oil Heater	0.62	1.78	0.72	0.00	0.34	0.34	5,647.20	0.11	0.10	5,681.61
		Total	89.83	138.67	26.90	3.43	19.42	11.01	38,878.20	12.19	12.19	42,912.41

Criteria Pollutant and GHG Emission Rates - Annual Emission Rates (tons per year)

ID	Equipment Category	Description	ROG tpy	CO tpy	NOX tpy	SOX tpy	PM10 tpy	PM2.5 tpy	CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
<i>Cold Side Aggregate</i>												
AS1	Aggregate Screen	conveyor to scalping screen 1	-	-	-	-	1.78E-03	1.20E-04	-	-	-	-
TC5	Transfer Conveyor	scalping screen to conveyor	-	-	-	-	1.10E-04	3.12E-05	-	-	-	-
<i>Cold Side RAP</i>												
RAP1	RAP Feeder Loading	RAP storage pile to bin	-	-	-	-	6.30E-04	1.76E-04	-	-	-	-
HS11	Crusher (with Fabric Filter)	HSI crusher emissions	-	-	-	-	1.08E-03	3.05E-04	-	-	-	-
TC6	Transfer Conveyor	Conveyor to scalping screen #2	-	-	-	-	2.07E-05	5.85E-06	-	-	-	-
AS2	Aggregate Screen	Scalping screen #2 to Conveyor	-	-	-	-	3.33E-04	2.25E-05	-	-	-	-
TC7	Transfer Conveyor	Conveyor to conveyor	-	-	-	-	2.07E-05	5.85E-06	-	-	-	-
<i>HMA Plant</i>												
HMA1	Hot Mix Asphalt Plant	Dryer Burner - Baghouse	1.92	7.81	1.56	0.20	0.57	0.40	1,797.43	0.65	0.65	2,013.77
HMA2	HMA Plant Loadout	Screens/bins /pug mill	1.25E-03	4.05E-04	-	-	1.57E-04	1.56E-04	-	-	-	-
HMA3	HMA Silo Filing	HMA Storage Silos /bluesmoke device	3.29E-02	3.19E-03	-	-	1.58E-03	1.59E-03	-	-	-	-
HMA4	Hot Oil Heater	Hot Oil Heater	0.04	0.12	0.05	0.00	0.02	0.02	367.66	0.01	0.01	369.90
		Total	2.00	7.92	1.61	0.20	0.60	0.42	2,165.08	0.66	0.66	2,383.67

Toxic Air Conatimant Emissions (Drum Mix Natural Gas Combustion)

ID	Equipment Category	Description	AB2588 Toxic Air Contaminant	EF ¹ (lb/ton HMA)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA1	Hot Mix Asphalt Plant	Dryer Burner/Baghouse-4	Benzene	3.90E-04	1.95E-01	1.95E+00	1.17E-01
			Ethylbenzene	2.40E-04	1.20E-01	1.20E+00	7.20E-02
			Formaldehyde	3.10E-03	1.55E+00	1.55E+01	9.30E-01
			Hexane	9.20E-04	4.60E-01	4.60E+00	2.76E-01
			Methyl chloroform	4.80E-05	2.40E-02	2.40E-01	1.44E-02
			Toluene	1.50E-04	7.50E-02	7.50E-01	4.50E-02
			Xylene	2.00E-04	1.00E-01	1.00E+00	6.00E-02
			2-Methylnaphthalene	7.40E-05	3.70E-02	3.70E-01	2.22E-02
			Acenaphthene	1.40E-06	7.00E-04	7.00E-03	4.20E-04
			Acenaphthylene	8.60E-06	4.30E-03	4.30E-02	2.58E-03
			Anthracene	2.20E-07	1.10E-04	1.10E-03	6.60E-05
			Benzo(a)anthracene	2.10E-07	1.05E-04	1.05E-03	6.30E-05
			Benzo(a)pyrene	9.80E-09	4.90E-06	4.90E-05	2.94E-06
			Benzo(b)fluoranthene	1.00E-07	5.00E-05	5.00E-04	3.00E-05
			Benzo(e)pyrene	1.10E-07	5.50E-05	5.50E-04	3.30E-05
			Benzo(g,h,i)perylene	4.00E-08	2.00E-05	2.00E-04	1.20E-05
			Benzo(k)fluoranthene	4.10E-08	2.05E-05	2.05E-04	1.23E-05
			Chrysene	1.80E-07	9.00E-05	9.00E-04	5.40E-05
			Fluoranthene	6.10E-07	3.05E-04	3.05E-03	1.83E-04
			Fluorene	3.80E-06	1.90E-03	1.90E-02	1.14E-03
			Indeno(1,2,3-cd)pyrene	7.00E-09	3.50E-06	3.50E-05	2.10E-06
			Naphthalene	9.00E-05	4.50E-02	4.50E-01	2.70E-02
			Perylene	8.80E-09	4.40E-06	4.40E-05	2.64E-06
			Phenanthrene	7.60E-06	3.80E-03	3.80E-02	2.28E-03
			Pyrene	5.40E-07	2.70E-04	2.70E-03	1.62E-04

1.Emission factors for hot mix asphalt plant were obtained from AP-42 5th Ed. Final Section 11.1, updated April 2004, Table 11.1-10, controlled emission factors for natural gas fired drum mix dryers.

Toxic Air Contaminant Emissions (Drum Mix Metal Emissions)

ID	Equipment Category	Description	AB2588 Toxic Air Contaminant	EF ² (lb/ton HMA)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA1	Hot Mix Asphalt Plant	Dryer Burner/Baghouse	Arsenic	5.60E-07	2.80E-04	2.80E-03	1.68E-04
			Barium	5.80E-06	2.90E-03	2.90E-02	1.74E-03
			Beryllium	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Cadmium	4.10E-07	2.05E-04	2.05E-03	1.23E-04
			Chromium	5.50E-06	2.75E-03	2.75E-02	1.65E-03
			Cobalt	2.60E-08	1.30E-05	1.30E-04	7.80E-06
			Copper	3.10E-06	1.55E-03	1.55E-02	9.30E-04
			Hex-Chromium	4.50E-07	2.25E-04	2.25E-03	1.35E-04
			Lead	6.20E-07	3.10E-04	3.10E-03	1.86E-04
			Manganese	7.70E-06	3.85E-03	3.85E-02	2.31E-03
			Mercury	2.40E-07	1.20E-04	1.20E-03	7.20E-05
			Nickel	6.30E-05	3.15E-02	3.15E-01	1.89E-02
			Phosphorous	2.80E-05	1.40E-02	1.40E-01	8.40E-03
			Silver	2.80E-05	1.40E-02	1.40E-01	8.40E-03
			Thallium	4.10E-09	2.05E-06	2.05E-05	1.23E-06
			Zinc	6.10E-05	3.05E-02	3.05E-01	1.83E-02
			Selenium	3.50E-07	1.75E-04	1.75E-03	1.05E-04

2.TAC metals emission factors for HMA plant were obtained from AP-42 5th Ed. Final Section 11.1, updated April 2004, Table 11.1-12, controlled emission factors for natural gas fired drum mix dryers.

Toxic Air Contaminant Emissions (Plant Loadout)

ID	Equipment Category	Description	Toxic Air Contaminant	EF ³ (lb/ton HMA)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA2	HMA Plant Loadout	HMA Plant Loadout	Organic PM	3.41E-04	1.71E-02	1.71E-01	1.02E-04
			Acenaphthene	8.86E-07	4.43E-05	4.43E-04	2.66E-07
			Acenaphthylene	9.55E-08	4.78E-06	4.78E-05	2.87E-08
			Anthracene	2.39E-07	1.20E-05	1.20E-04	7.17E-08
			Benzo(a)anthracene	6.48E-08	3.24E-06	3.24E-05	1.94E-08
			Benzo(b)fluoranthene	2.59E-08	1.30E-06	1.30E-05	7.77E-09
			Benzo(k)fluoranthene	7.50E-09	3.75E-07	3.75E-06	2.25E-09
			Benzo(g,h,i)perylene	6.48E-09	3.24E-07	3.24E-06	1.94E-09
			Benzo(a)pyrene	7.84E-09	3.92E-07	3.92E-06	2.35E-09
			Benzo(e)pyrene	2.66E-08	1.33E-06	1.33E-05	7.98E-09
			Chrysene	3.51E-07	1.76E-05	1.76E-04	1.05E-07
			Dibenz(a,h)anthracene	1.26E-09	6.30E-08	6.30E-07	3.78E-10
			Fluoranthene	1.70E-07	8.50E-06	8.50E-05	5.10E-08
			Fluorene	2.63E-06	1.32E-04	1.32E-03	7.89E-07
			Indeno(1,2,3-cd)pyrene	1.60E-09	8.00E-08	8.00E-07	4.80E-10
			2-Methylnaphthalene	8.11E-06	4.06E-04	4.06E-03	2.43E-06
			Naphthalene	4.26E-06	2.13E-04	2.13E-03	1.28E-06
			Perylene	7.50E-08	3.75E-06	3.75E-05	2.25E-08
			Phenanthrene	2.76E-06	1.38E-04	1.38E-03	8.28E-07
			Pyrene	5.11E-07	2.56E-05	2.56E-04	1.53E-07
			Phenol	4.02E-06	2.01E-04	2.01E-03	1.21E-06
			TOC (Organic Carbon)	4.16E-03	2.08E-01	2.08E+00	1.25E-03
			Benzene	2.16E-06	1.08E-04	1.08E-03	6.48E-07
			Bromomethane	3.99E-07	2.00E-05	2.00E-04	1.20E-07
			2-Butanone	2.04E-06	1.02E-04	1.02E-03	6.12E-07
			Carbon Disulfide	5.41E-07	2.71E-05	2.71E-04	1.62E-07
			Chloroethane	8.73E-09	4.37E-07	4.37E-06	2.62E-09
			Chloromethane	6.24E-07	3.12E-05	3.12E-04	1.87E-07
			Cumene	4.57E-06	2.29E-04	2.29E-03	1.37E-06
			Ethylbenzene	1.16E-05	5.80E-04	5.80E-03	3.48E-06
			Formaldehyde	3.66E-06	1.83E-04	1.83E-03	1.10E-06
			Hexane	6.24E-06	3.12E-04	3.12E-03	1.87E-06
			Isooctane	7.49E-08	3.75E-06	3.75E-05	2.25E-08
			Methylene Chloride	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			MTBE	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Styrene	3.04E-07	1.52E-05	1.52E-04	9.12E-08
			Tetrachloroethene	3.20E-07	1.60E-05	1.60E-04	9.60E-08
			Toluene	8.73E-06	4.37E-04	4.37E-03	2.62E-06
			1,1,1-Trichloroethane	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Trichloroethene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Trichlorofluoromethane	5.41E-08	2.71E-06	2.71E-05	1.62E-08
			Xylene (m-/p-)	1.71E-05	8.55E-04	8.55E-03	5.13E-06
			Xylene (o-)	3.33E-06	1.67E-04	1.67E-03	9.99E-07

3. Emission Factor Source: AP-42 5th Ed., updated April 2004, Tables 11.1-14, 11.1-15, and 11.1-16.

Emission Factor Equations:

Organic PM Plant Loadout $EF = 0.00141 (-V) e^{((0.0251)(T+460)-20.43)}$

Organic Carbon Plant Loadout $EF = 0.0172 (-V) e^{((0.0251)(T+460)-20.43)}$

Where T = Mix Temp. (325°F); V = Asphalt Volatility (-0.5)

Organic Toxic PM Plant Loadout $EF = \text{Organic PM EF} \times \% \text{ Toxic}$

Organic Toxic Carbon Plant Loadout $EF = \text{Organic Carbon EF} \times \% \text{ Toxic}$

Example Calculation:

Acenaphthene $EF = 0.00141 (-V) e^{((0.0251)(T+460)-20.43)} \times \% \text{ Toxic}$

$EF = 0.00141 (0.5) e^{((0.0251)(325+460)-20.43)} \times 0.26\% = 8.86E-07 \text{ lb/ton HMA}$

Emission (lb/hr) = $8.86E-07 \text{ lb/ton HMA} \times 600 \text{ ton/hr} = 5.32E-04 \text{ lb/hr}$

Toxic Air Contaminant Emissions (Silo Filling)

ID	Equipment Category	Description	Toxic Air Contaminant	EF ⁴ (lb/ton HMA)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA3	HMA Silo Filling	HMA Silo Filling	Organic PM	2.54E-04	1.14E-01	1.14E+00	6.86E-04
			Acenaphthene	1.19E-06	5.36E-04	5.36E-03	3.21E-06
			Acenaphthylene	3.55E-08	1.60E-05	1.60E-04	9.59E-08
			Anthracene	3.30E-07	1.49E-04	1.49E-03	8.91E-07
			Benzo(a)anthracene	1.42E-07	6.39E-05	6.39E-04	3.83E-07
			Benzo(b)fluoranthene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Benzo(k)fluoranthene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Benzo(g,h,i)perylene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Benzo(a)pyrene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Benzo(e)pyrene	2.41E-08	1.08E-05	1.08E-04	6.51E-08
			Chrysene	5.33E-07	2.40E-04	2.40E-03	1.44E-06
			Dibenz(a,h)anthracene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Fluoranthene	3.81E-07	1.71E-04	1.71E-03	1.03E-06
			Fluorene	2.56E-06	1.15E-03	1.15E-02	6.91E-06
			Indeno(1,2,3-cd)pyrene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			2-Methylnaphthalene	1.34E-05	6.03E-03	6.03E-02	3.62E-05
			Naphthalene	4.62E-06	2.08E-03	2.08E-02	1.25E-05
			Perylene	7.62E-08	3.43E-05	3.43E-04	2.06E-07
			Phenanthrene	4.57E-06	2.06E-03	2.06E-02	1.23E-05
			Pyrene	1.12E-06	5.04E-04	5.04E-03	3.02E-06
			Phenol	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			TOC (Organic Carbon)	1.22E-02	5.49E+00	5.49E+01	3.29E-02
			Benzene	3.90E-06	1.76E-03	1.76E-02	1.05E-05
			Bromomethane	5.97E-07	2.69E-04	2.69E-03	1.61E-06
			2-Butanone	4.75E-06	2.14E-03	2.14E-02	1.28E-05
			Carbon Disulfide	1.95E-06	8.78E-04	8.78E-03	5.27E-06
			Chloroethane	4.87E-07	2.19E-04	2.19E-03	1.31E-06
			Chloromethane	2.80E-06	1.26E-03	1.26E-02	7.56E-06
			Cumene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Ethylbenzene	4.63E-05	2.08E-02	2.08E-01	1.25E-04
			Formaldehyde	8.41E-05	3.78E-02	3.78E-01	2.27E-04
			Hexane	1.22E-05	5.49E-03	5.49E-02	3.29E-05
			Isooctane	3.78E-08	1.70E-05	1.70E-04	1.02E-07
			Methylene Chloride	3.29E-06	1.48E-03	1.48E-02	8.88E-06
			MTBE	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Styrene	6.58E-07	2.96E-04	2.96E-03	1.78E-06
			Tetrachloroethene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Toluene	7.56E-06	3.40E-03	3.40E-02	2.04E-05
			1,1,1-Trichloroethane	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Trichloroethene	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Trichlorofluoromethane	0.00E+00	0.00E+00	0.00E+00	0.00E+00
			Xylene (m-/p-)	2.44E-05	1.10E-02	1.10E-01	6.59E-05
			Xylene (o-)	6.95E-06	3.13E-03	3.13E-02	1.88E-05

4. Emission Factor Source: AP-42 5th Ed., updated April 2004, Tables 11.1-14, 11.1-15, and 11.1-16.

Emission Factor Equations:

Organic PM Silo Filling $EF = 0.00105 (-V) e^{((0.0251)(T+460)-20.43)}$

Organic Carbon Silo Filling $EF = 0.0504 (-V) e^{((0.0251)(T+460)-20.43)}$

Where T = Mix Temp. (325°F); V = Asphalt Volatility (-0.5)

Organic Toxic PM Silo Filling $EF = \text{Organic PM EF} \times \% \text{ Toxic}$

Organic Toxic Carbon Silo Filling $EF = \text{Organic Carbon EF} \times \% \text{ Toxic}$

Example Calculation:

Acenaphthene

$EF = 0.00105 (-V) e^{((0.0251)(T+460)-20.43)} \times \% \text{ Toxic}$

$EF = 0.00105 (0.5) e^{((0.0251)(325+460)-20.43)} \times 0.47\% = 1.19E-06 \text{ lb/ton HMA}$

Emission (lb/hr) = $1.19E-06 \text{ lb/ton HMA} \times 600 \text{ ton/hr} = 7.16E-04 \text{ lb/hr}$

Toxic Air Contaminant Emissions (Conveyors)

ID	Source	Description	PM10 EF (lb/ton)	Toxic Air Contaminant	TAC Conc (ppm)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
AS1	Aggregate Screen	Conveyor to scalping screen 1	7.40E-04	Arsenic	22	6.51E-06	6.51E-05	3.91E-08
				Beryllium	1	2.96E-07	2.96E-06	1.78E-09
				Cadmium	1	2.96E-07	2.96E-06	1.78E-09
				Hex-Chromium	0	0.00E+00	0.00E+00	0.00E+00
				Chromium	28	8.29E-06	8.29E-05	4.97E-08
				Copper	37	1.10E-05	1.10E-04	6.57E-08
				Lead	50	1.48E-05	1.48E-04	8.88E-08
				Manganese	530	1.57E-04	1.57E-03	9.41E-07
				Mercury	0	0.00E+00	0.00E+00	0.00E+00
				Nickel	28	8.29E-06	8.29E-05	4.97E-08
				Selenium	1	2.96E-07	2.96E-06	1.78E-09
TC5	Transfer Conveyor	Scalping screen to conveyor to drum burner	4.60E-05	Arsenic	22	4.05E-07	4.05E-06	2.43E-09
				Beryllium	1	1.84E-08	1.84E-07	1.10E-10
				Cadmium	1	1.84E-08	1.84E-07	1.10E-10
				Hex-Chromium	0	0.00E+00	0.00E+00	0.00E+00
				Chromium	28	5.15E-07	5.15E-06	3.09E-09
				Copper	37	6.81E-07	6.81E-06	4.08E-09
				Lead	50	9.20E-07	9.20E-06	5.52E-09
				Manganese	530	9.75E-06	9.75E-05	5.85E-08
				Mercury	0	0.00E+00	0.00E+00	0.00E+00
				Nickel	28	5.15E-07	5.15E-06	3.09E-09
				Selenium	1	1.84E-08	1.84E-07	1.10E-10
RAP1	RAP Feeder Loading	RAP storage pile to bin	1.60E-05	Arsenic	22	2.64E-08	2.64E-07	1.58E-10
				Beryllium	1	1.20E-09	1.20E-08	7.20E-12
				Cadmium	1	1.20E-09	1.20E-08	7.20E-12
				Hex-Chromium	0	0.00E+00	0.00E+00	0.00E+00
				Chromium	28	3.36E-08	3.36E-07	2.02E-10
				Copper	37	4.44E-08	4.44E-07	2.66E-10
				Lead	50	6.00E-08	6.00E-07	3.60E-10
				Manganese	530	6.36E-07	6.36E-06	3.82E-09
				Mercury	0	0.00E+00	0.00E+00	0.00E+00
				Nickel	28	3.36E-08	3.36E-07	2.02E-10
				Selenium	1	1.20E-09	1.20E-08	7.20E-12

HSI1	Crusher (with Fabric Filter)	HSI crusher emissions	4.60E-05	Arsenic	22	7.59E-08	7.59E-07	4.55E-10
				Beryllium	1	3.45E-09	3.45E-08	2.07E-11
				Cadmium	1	3.45E-09	3.45E-08	2.07E-11
				Hex-Chromium	0	0.00E+00	0.00E+00	0.00E+00
				Chromium	28	9.66E-08	9.66E-07	5.80E-10
				Copper	37	1.28E-07	1.28E-06	7.66E-10
				Lead	50	1.73E-07	1.73E-06	1.04E-09
				Manganese	530	1.83E-06	1.83E-05	1.10E-08
				Mercury	0	0.00E+00	0.00E+00	0.00E+00
				Nickel	28	9.66E-08	9.66E-07	5.80E-10
				Selenium	1	3.45E-09	3.45E-08	2.07E-11
TC6	Transfer Conveyor	Conveyor to scalping screen #2	4.60E-05	Arsenic	22	7.59E-08	7.59E-07	4.55E-10
				Beryllium	1	3.45E-09	3.45E-08	2.07E-11
				Cadmium	1	3.45E-09	3.45E-08	2.07E-11
				Hex-Chromium	0	0.00E+00	0.00E+00	0.00E+00
				Chromium	28	9.66E-08	9.66E-07	5.80E-10
				Copper	37	1.28E-07	1.28E-06	7.66E-10
				Lead	50	1.73E-07	1.73E-06	1.04E-09
				Manganese	530	1.83E-06	1.83E-05	1.10E-08
				Mercury	0	0.00E+00	0.00E+00	0.00E+00
				Nickel	28	9.66E-08	9.66E-07	5.80E-10
				Selenium	1	3.45E-09	3.45E-08	2.07E-11

5. Trace metal concentrations in aggregate dust released from aggregate transfer points estimates are based upon test results from several San Diego County mineral product facilities provided to the District by AWR Consultants in July 1996. Trace metal values obtained from San Diego Air Pollution Control District Emission Factor Guidance, "Aggregate Transfer Points", modified December 30, 1998. Concentrations were reported in parts per million by weight (ppmw), which is equivalent to milligrams per kilograms (mg/kg). Trace metal concentration were converted to lbs/lbs as follows:

Example Calculation: Arsenic (lbs/lbs) = 22 mg/kg x (0.4536 kg / 1 lb) x (1 lb / 453600 mg) = 2.20E-05 lbs/lbs

6. Trace metal emissions were calculated as follows:

Example Calculation: All Trace Metal Emissions = PM10 EF x Production Rate x Trace Metal Conc. (mg/kg) x (0.4536 kg / 1 lb) x (1 lb / 453600 mg)

Aggregate Hopper Bins - Arsenic (lb/hr) = (4.60E-05 lbs/ton) x (480 TPH) x (22 mg/kg) x (0.4536 kg / 1 lb) x (1 lb / 453600 mg) = 4.86E-07 lbs/hr

Aggregate Hopper Bins - Arsenic (lb/day) = (4.60E-05 lbs/ton) x (4,640 TPD) x (22 mg/kg) x (0.4536 kg / 1 lb) x (1 lb / 453600 mg) = 4.70E-06 lbs/day

Aggregate Hopper Bins - Arsenic (ton/yr) = (4.60E-05 lbs/ton) x (600,000 TPY) x (22 mg/kg) x (0.4536 kg / 1 lb) x (1 lb / 453600 mg) / 2000 lb/ton = 3.04E-07 ton/yr

Toxic Air Contaminant Emissions (Hot Oil System Emissions)

ID	Source	Description	Toxic Air Contaminant	EF ⁷ (lb/MMBtu)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA4	Hot Oil Heater	Hot Oil Heater	Formaldehyde	2.55E-05	1.28E-04	1.22E-03	7.97E-05

7.HAP emission factor for HMA plant hot oil systems provided in AP-42 Final Section 11.1 updated March 2004, Table 11.1-13.

Toxic Air Contaminant Emissions (Natural Gas Combustion Fine Particulate Emissions)

ID	Source	Description	Toxic Air Contaminant	EF ⁸ (lb/MMBtu)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
HMA1	Hot Mix Asphalt Burner	HMA Dryer Burner	PM0.5	7.45E-03	7.50E-01	7.50E+00	4.47E-01
HMA4	Hot Oil Heater	Hot Oil Heater	PM0.5	7.45E-03	3.73E-02	3.58E-01	2.33E-02

8.Emission factors for natural gas combustion fine particulates from the HMA dryer burner is based on AP-42, Section 1.4, Table 1.4-2 and assumes all particulate is less than 1 um in diameter.

Summary Totals

Toxic	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
Arsenic	2.87E-04	2.87E-03	1.68E-04
Beryllium	3.23E-07	3.23E-06	1.94E-09
Cadmium	2.05E-04	2.05E-03	1.23E-04
Hex-Chromium	2.25E-04	2.25E-03	1.35E-04
Chromium	2.76E-03	2.76E-02	1.65E-03
Copper	1.56E-03	1.56E-02	9.30E-04
Lead	3.26E-04	3.26E-03	1.86E-04
Manganese	4.02E-03	4.02E-02	2.31E-03
Mercury	1.20E-04	1.20E-03	7.20E-05
Nickel	3.15E-02	3.15E-01	1.89E-02
Selenium	1.75E-04	1.75E-03	1.05E-04
Zinc	3.05E-02	3.05E-01	1.83E-02

Concrete Ready Mix Plant - Dust and Toxic Emissions**High Production:**

5,000 cy/day

500,000 cy/year

1,000 TPH

10,000 TPD

100,000 TPY

10 hrs/day

11% Cement		2% Cement Supplement		80% Aggregate and Sand	
110	TPH Cement	20	TPH Supp	800	TPH Agg&Sand
1,100	TPD Cement	200	TPD Supp	8,000	TPD Agg&Sand
11,000	TPY Cement	2,000	TPY Supp	80,000	TPY Agg&Sand

Note 7% water

Emission Factors

ID	Source	PM10 (lb/ton)	PM2.5 (lb/ton)
CBP1	Cement Unloading	3.40E-04	7.85E-05
CBP2	Cement Supp Unload	4.90E-03	1.13E-03
CBP3	Weigh Hopper Load	2.40E-05	5.54E-06
CBP4	Central Mix Loading	2.43E-03	1.10E-03

*Conveyors to Concrete Batch Plant are shown with the Aggregate emission sources.

ID	Source	PM10 Emissions			PM2.5 Emissions		
		lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
CBP1	Cement Unloading	0.04	0.37	0.00	0.01	0.09	0.00
CBP2	Cement Supp Unload	0.10	0.98	0.00	0.02	0.23	0.00
CBP3	Weigh Hopper Load	0.02	0.19	0.00	0.00	0.04	0.00
CBP4	Central Mix Loading	0.32	3.16	0.02	0.14	1.43	0.01
	Total	0.47	4.71	0.02	0.18	1.79	0.01

Notes:

1. Emission Factor Source: SDAPCD Engineering Emissions Inventory

https://www.sandiegocounty.gov/content/sdc/apcd/en/engineering/Permits/Engineering_Emissions_Inventory/Mineral_Products_Calc.html

ID	Operation	AB2588 Toxic Air Contaminant	Ci (ppmw)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
CBP1	Concrete Plant Cement Unloading to Storage Silo w/ Baghouse	Arsenic	22	8.23E-07	8.23E-06	4.11E-08
		Beryllium	1	3.74E-08	3.74E-07	1.87E-09
		Cadmium	1	3.74E-08	3.74E-07	1.87E-09
		Hex-Chromium	5	1.87E-07	1.87E-06	9.35E-09
		Chromium	58	2.17E-06	2.17E-05	1.08E-07
		Copper	30	1.12E-06	1.12E-05	5.61E-08
		Lead	12	4.49E-07	4.49E-06	2.24E-08
		Manganese	400	1.50E-05	1.50E-04	7.48E-07
		Nickel	25	9.35E-07	9.35E-06	4.68E-08
		Selenium	1	3.74E-08	3.74E-07	1.87E-09
		Crystalline Silica	-	0.00E+00	0.00E+00	0.00E+00
		Zinc	92	3.44E-06	3.44E-05	1.72E-07
CBP2	Concrete Plant Cement Supplement (Fly Ash) Unloading to Storage Silo w/ Baghouse	Arsenic	15	1.47E-06	1.47E-05	7.35E-08
		Beryllium	2	1.96E-07	1.96E-06	9.80E-09
		Cadmium	1	9.80E-08	9.80E-07	4.90E-09
		Hex-Chromium	3	2.94E-07	2.94E-06	1.47E-08
		Chromium	26	2.55E-06	2.55E-05	1.27E-07
		Copper	23	2.25E-06	2.25E-05	1.13E-07
		Lead	15	1.47E-06	1.47E-05	7.35E-08
		Manganese	80	7.84E-06	7.84E-05	3.92E-07
		Nickel	12	1.18E-06	1.18E-05	5.88E-08
		Selenium	1	9.80E-08	9.80E-07	4.90E-09
		Crystalline Silica	-	0.00E+00	0.00E+00	0.00E+00
		Zinc	30	2.94E-06	2.94E-05	1.47E-07

CBP3	Concrete Plant Weight Hopper Loading w/ Baghouse	Arsenic	15	2.88E-07	2.88E-06	1.44E-08
		Beryllium	1	1.92E-08	1.92E-07	9.60E-10
		Cadmium	1	1.92E-08	1.92E-07	9.60E-10
		Hex-Chromium	2	3.84E-08	3.84E-07	1.92E-09
		Chromium	50	9.60E-07	9.60E-06	4.80E-08
		Copper	46	8.83E-07	8.83E-06	4.42E-08
		Lead	33	6.34E-07	6.34E-06	3.17E-08
		Manganese	420	8.06E-06	8.06E-05	4.03E-07
		Nickel	18	3.46E-07	3.46E-06	1.73E-08
		Selenium	1	1.92E-08	1.92E-07	9.60E-10
		Crystalline Silica	100,000	1.92E-03	1.92E-02	9.60E-05
		Zinc	140	2.69E-06	2.69E-05	1.34E-07
CBP4	Concrete Plant Central Mix Batching/Loading w/ Baghouse	Arsenic	15	4.74E-06	4.74E-05	2.37E-07
		Beryllium	1	3.16E-07	3.16E-06	1.58E-08
		Cadmium	1	3.16E-07	3.16E-06	1.58E-08
		Hex-Chromium	2	6.32E-07	6.32E-06	3.16E-08
		Chromium	50	1.58E-05	1.58E-04	7.90E-07
		Copper	46	1.45E-05	1.45E-04	7.27E-07
		Lead	33	1.04E-05	1.04E-04	5.21E-07
		Manganese	420	1.33E-04	1.33E-03	6.63E-06
		Nickel	18	5.69E-06	5.69E-05	2.84E-07
		Selenium	1	3.16E-07	3.16E-06	1.58E-08
		Crystalline Silica	100,000	3.16E-02	3.16E-01	1.58E-03
		Zinc	140	4.42E-05	4.42E-04	2.21E-06

1. Emission Factor Source: Concrete Batch Plant Toxic Emission Factors based on AP-42 11.12 Concrete Batching, June 2006 Final

Summary Totals

AB2588 Toxic Air Contaminant	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
Arsenic	7.32E-06	7.32E-05	3.66E-07
Beryllium	5.69E-07	5.69E-06	2.84E-08
Cadmium	4.71E-07	4.71E-06	2.35E-08
Hex-Chromium	1.15E-06	1.15E-05	5.76E-08
Chromium	2.15E-05	2.15E-04	1.07E-06
Copper	1.88E-05	1.88E-04	9.40E-07
Lead	1.30E-05	1.30E-04	6.49E-07
Manganese	1.64E-04	1.64E-03	8.18E-06
Nickel	8.14E-06	8.14E-05	4.07E-07
Selenium	4.71E-07	4.71E-06	2.35E-08
Crystalline Silica	3.35E-02	3.35E-01	1.68E-03
Zinc	5.33E-05	5.33E-04	2.66E-06

Onsite Vehicle Fugitive Emissions - Unpaved Roads

Vehicle Activity

Vehicle Activity		Quantity	Miles per round trip	Load Weight (tons)	Material Transferred (tons)			VMT		
ID	Source				Hourly	Daily	Annual	Hourly	Daily	Annual
MHT	Off-Road Aggregate Haul Trucks ¹	2	0.50	100	1,100	11,000	1,600,000	5.50	55	8,000
L1	Loader 1	1	0.06	12.50	363	3,630	528,000	1.74	17.42	2,534
L2	Loader 2	2	0.32	12.50	165	1,650	240,000	4.22	42.24	6,144
L3	Loader 3	3	0.10	12.50	22	220	32,000	0.18	1.76	256
WT1	Water Truck	1	See operating schedule in Delivery Truck and Employee Vehicle Section. VMT calculated from hours of operation and vehicle speed (10 mph).					1	10	3,050
T1	Service Truck	2						1.50	15	4,700
T2	Pick-up Truck - small	1						1	10	2,200
T3	Pick-up Truck - large	1						0.50	5	1,500
T5	Fuel/Lube Truck	1						0.40	4	1,112
T6	Product Delivery Trucks	314						20.50	205	62,538

1. Includes off-road haul trucks only. Trucks hauling asphalt, asphalt oil, cement and concrete travel on paved roads only.

2. 50 percent of time small vehicles are on paved surfaces.

Emission Factors

ID	Source	k(PM10)	k(pm2.5)	s	W	% Control Efficiency)	Moisture	PM10 EF (lb/vmt)	PM2.5 EF (lb/vmt)
MHT	Off-Road Aggregate Haul Trucks	1.5	0.15	13.6	230.00	95%	5.7	0.592	0.059
L1	Loader 1	1.5	0.15	13.6	62.75	95%	5.7	0.330	0.033
L2	Loader 2	1.5	0.15	13.6	62.75	95%	5.7	0.330	0.033
L3	Loader 3	1.5	0.15	13.6	62.75	95%	5.7	0.330	0.033
WT1	Water Truck	1.5	0.15	13.6	22.50	95%	5.7	0.208	0.021
T1	Service Truck	1.5	0.15	13.6	2.50	95%	5.7	0.077	0.008
T2	Pick-up Truck - small	1.5	0.15	13.6	1.50	95%	5.7	0.061	0.006
T3	Pick-up Truck - large	1.5	0.15	13.6	2.00	95%	5.7	0.070	0.007
T5	Fuel/Lube Truck	1.5	0.15	13.6	2.50	95%	5.7	0.077	0.008
T6	Product Delivery Trucks	See data in Delivery Truck and Employee Vehicle Section.							
1. Average silt content from MOP Section D(1). Moisture content for quarry roads with routine on-site watering.									
2. The vehicle weights are based on the average weight of unloaded and loaded weights for haul trucks and water truck. The other vehicle weights are based on the estimated Gross Mean Vehicle Weight provided by the manufacturers.									
3. MOP Section 13.6(D)(2) assigns default maximum control efficiency of 95%.									
Emission Factor Source: AP-42 5th edition, Section 13.2.2, Unpaved Roads, Rev. November 2006.									
$E=k(s/12)^a(W/3)^b$									
E=emission factor in lb/VMT a = 0.9									
k = particle size multiplier b = 0.45									
s = silt content of road surface materials,									
W = mean vehicle weight, ton									

The following table summarizes the weight basis:

Vehicle Type	Advertised Empty	Load Weight	Avg. Weight	Source
Off-Road Aggregate Haul Trucks	180	100	230	Caterpillar advertised weights and capacities
Loader 1	56.5	12.5	62.75	
Loader 2	56.5	12.5	62.75	
Loader 3	56.5	12.5	62.75	
Water Truck	15	15	22.5	
Service Truck	2.5	n/a	2.5	Manufacturer advertised weights for vehicle class
Pick-up Truck - small	1.5	n/a	1.5	
Pick-up Truck - large	2	n/a	2	
Fuel/Lube Truck	2.5	n/a	2.5	

Phase 2 and Phase 3 - PM10 and PM2.5 Emission Rates - Unpaved Road Dust

ID	Source	PM10 Emissions			PM2.5 Emissions		
		lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
MHT	Off-Road Aggregate Haul Trucks	3.25	32.54	2.37	0.33	3.25	0.24
L1	Loader 1	0.57	5.75	0.42	0.06	0.57	0.04
L2	Loader 2	1.39	13.93	1.01	0.14	1.39	0.10
L3	Loader 3	0.06	0.58	0.04	0.01	0.06	0.00
WT1	Water Truck	0.21	2.08	0.32	0.02	0.21	0.03
T1	Service Truck	0.12	1.16	0.18	0.01	0.12	0.02
T2	Pick-up Truck - small	0.06	0.61	0.07	0.01	0.06	0.01
T3	Pick-up Truck - large	0.03	0.35	0.05	0.00	0.03	0.01
T5	Fuel/Lube Truck	0.03	0.31	0.04	0.00	0.03	0.00
Total		5.73	57.31	4.50	0.57	5.73	0.45

Phase 4 - PM10 and PM2.5 Emission Rates - Unpaved Road Dust

ID	Source	PM10 Emissions			PM2.5 Emissions		
		lb/hr	lb/day	TPY	lb/hr	lb/day	TPY
WT1	Water Truck	0.21	2.08	0.32	0.02	0.21	0.03
T1	Service Truck	0.12	1.16	0.18	0.01	0.12	0.02
T2	Pick-up Truck - small	0.06	0.61	0.07	0.01	0.06	0.01
T3	Pick-up Truck - large	0.03	0.35	0.05	0.00	0.03	0.01
T5	Fuel/Lube Truck	0.03	0.31	0.04	0.00	0.03	0.00
Total		0.45	4.51	0.66	0.05	0.45	0.07

Toxic Emissions - Unpaved Roads

ID	Operations	AB2588 Toxic Air Contaminant	Ci (ppmw)	EF ¹ (lb/vmt)	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
MHT	Off-Road Aggregate Haul Trucks	Arsenic	21	1.24244E-05	6.83E-05	6.83E-04	4.97E-05
		Beryllium	1	5.91638E-07	3.25E-06	3.25E-05	2.37E-06
		Cadmium	1	5.91638E-07	3.25E-06	3.25E-05	2.37E-06
		Hex-Chromium	0				
		Chromium	25	1.4791E-05	8.14E-05	8.14E-04	5.92E-05
		Copper	40	2.36655E-05	1.30E-04	1.30E-03	9.47E-05
		Lead	30	1.77491E-05	9.76E-05	9.76E-04	7.10E-05
		Manganese	490	0.000289903	1.59E-03	1.59E-02	1.16E-03
		Nickel	19	1.12411E-05	6.18E-05	6.18E-04	4.50E-05
		Selenium	1	5.91638E-07	3.25E-06	3.25E-05	2.37E-06
		Crystalline Silica	100,000	0.059163808	3.25E-01	3.25E+00	2.37E-01
		Zinc	112	6.62635E-05	3.64E-04	3.64E-03	2.65E-04
L1	Loader 1	Arsenic	21	6.92507E-06	1.21E-05	1.21E-04	8.78E-06
		Beryllium	1	3.29765E-07	5.75E-07	5.75E-06	4.18E-07
		Cadmium	1	3.29765E-07	5.75E-07	5.75E-06	4.18E-07
		Hex-Chromium					
		Chromium	25	8.24413E-06	1.44E-05	1.44E-04	1.04E-05
		Copper	40	1.31906E-05	2.30E-05	2.30E-04	1.67E-05
		Lead	30	9.89295E-06	1.72E-05	1.72E-04	1.25E-05
		Manganese	490	0.000161585	2.82E-04	2.82E-03	2.05E-04
		Nickel	19	6.26554E-06	1.09E-05	1.09E-04	7.94E-06
		Selenium	1	3.29765E-07	5.75E-07	5.75E-06	4.18E-07
		Crystalline Silica	100,000	0.032976516	5.75E-02	5.75E-01	4.18E-02
		Zinc	112	3.69337E-05	6.44E-05	6.44E-04	4.68E-05
L2	Loader 2	Arsenic	21	6.92507E-06	2.93E-05	2.93E-04	2.13E-05
		Beryllium	1	3.29765E-07	1.39E-06	1.39E-05	1.01E-06
		Cadmium	1	3.29765E-07	1.39E-06	1.39E-05	1.01E-06
		Chromium	25	8.24413E-06	3.48E-05	3.48E-04	2.53E-05
		Copper	40	1.31906E-05	5.57E-05	5.57E-04	4.05E-05
		Lead	30	9.89295E-06	4.18E-05	4.18E-04	3.04E-05
		Manganese	490	0.000161585	6.83E-04	6.83E-03	4.96E-04
		Nickel	19	6.26554E-06	2.65E-05	2.65E-04	1.92E-05
		Selenium	1	3.29765E-07	1.39E-06	1.39E-05	1.01E-06
		Crystalline Silica	100,000	0.032976516	1.39E-01	1.39E+00	1.01E-01
		Zinc	112	3.69337E-05	1.56E-04	1.56E-03	1.13E-04
L3	Loader 3	Arsenic	21	6.92507E-06	1.22E-06	1.22E-05	8.86E-07
		Beryllium	1	3.29765E-07	5.80E-08	5.80E-07	4.22E-08
		Cadmium	1	3.29765E-07	5.80E-08	5.80E-07	4.22E-08
		Hex-Chromium					
		Chromium	25	8.24413E-06	1.45E-06	1.45E-05	1.06E-06
		Copper	40	1.31906E-05	2.32E-06	2.32E-05	1.69E-06
		Lead	30	9.89295E-06	1.74E-06	1.74E-05	1.27E-06
		Manganese	490	0.000161585	2.84E-05	2.84E-04	2.07E-05
		Nickel	19	6.26554E-06	1.10E-06	1.10E-05	8.02E-07
		Selenium	1	3.29765E-07	5.80E-08	5.80E-07	4.22E-08
		Crystalline Silica	100,000	0.032976516	5.80E-03	5.80E-02	4.22E-03
		Zinc	112	3.69337E-05	6.50E-06	6.50E-05	4.73E-06

WT1	Water Truck	Arsenic	21	4.36496E-06	4.36E-06	4.36E-05	6.66E-06
		Beryllium	1	2.07855E-07	2.08E-07	2.08E-06	3.17E-07
		Cadmium	1	2.07855E-07	2.08E-07	2.08E-06	3.17E-07
		Hex-Chromium					
		Chromium	25	5.19638E-06	5.20E-06	5.20E-05	7.92E-06
		Copper	40	8.3142E-06	8.31E-06	8.31E-05	1.27E-05
		Lead	30	6.23565E-06	6.24E-06	6.24E-05	9.51E-06
		Manganese	490	0.000101849	1.02E-04	1.02E-03	1.55E-04
		Nickel	19	3.94925E-06	3.95E-06	3.95E-05	6.02E-06
		Selenium	1	2.07855E-07	2.08E-07	2.08E-06	3.17E-07
		Crystalline Silica	100,000	0.020785512	2.08E-02	2.08E-01	3.17E-02
		Zinc	112	2.32798E-05	2.33E-05	2.33E-04	3.55E-05
T1	Service Truck	Arsenic	21	1.62394E-06	2.44E-06	2.44E-05	3.82E-06
		Beryllium	1	7.73306E-08	1.16E-07	1.16E-06	1.82E-07
		Cadmium	1	7.73306E-08	1.16E-07	1.16E-06	1.82E-07
		Hex-Chromium					
		Chromium	25	1.93327E-06	2.90E-06	2.90E-05	4.54E-06
		Copper	40	3.09323E-06	4.64E-06	4.64E-05	7.27E-06
		Lead	30	2.31992E-06	3.48E-06	3.48E-05	5.45E-06
		Manganese	490	3.7892E-05	5.68E-05	5.68E-04	8.90E-05
		Nickel	19	1.46928E-06	2.20E-06	2.20E-05	3.45E-06
		Selenium	1	7.73306E-08	1.16E-07	1.16E-06	1.82E-07
		Crystalline Silica	100,000	0.007733064	1.16E-02	1.16E-01	1.82E-02
		Zinc	112	8.66103E-06	1.30E-05	1.30E-04	2.04E-05
T2	Pick-up - small	Arsenic	21	1.29044E-06	1.29E-06	1.29E-05	1.42E-06
		Beryllium	1	6.14497E-08	6.14E-08	6.14E-07	6.76E-08
		Cadmium	1	6.14497E-08	6.14E-08	6.14E-07	6.76E-08
		Hex-Chromium					
		Chromium	25	1.53624E-06	1.54E-06	1.54E-05	1.69E-06
		Copper	40	2.45799E-06	2.46E-06	2.46E-05	2.70E-06
		Lead	30	1.84349E-06	1.84E-06	1.84E-05	2.03E-06
		Manganese	490	3.01103E-05	3.01E-05	3.01E-04	3.31E-05
		Nickel	19	1.16754E-06	1.17E-06	1.17E-05	1.28E-06
		Selenium	1	6.14497E-08	6.14E-08	6.14E-07	6.76E-08
		Crystalline Silica	100,000	0.006144969	6.14E-03	6.14E-02	6.76E-03
		Zinc	112	6.88236E-06	6.88E-06	6.88E-05	7.57E-06
T3	Pick-up - large	Arsenic	21	1.4688E-06	7.34E-07	7.34E-06	1.10E-06
		Beryllium	1	6.99427E-08	3.50E-08	3.50E-07	5.25E-08
		Cadmium	1	6.99427E-08	3.50E-08	3.50E-07	5.25E-08
		Hex-Chromium					
		Chromium	25	1.74857E-06	8.74E-07	8.74E-06	1.31E-06
		Copper	40	2.79771E-06	1.40E-06	1.40E-05	2.10E-06
		Lead	30	2.09828E-06	1.05E-06	1.05E-05	1.57E-06
		Manganese	490	3.42719E-05	1.71E-05	1.71E-04	2.57E-05
		Nickel	19	1.32891E-06	6.64E-07	6.64E-06	9.97E-07
		Selenium	1	6.99427E-08	3.50E-08	3.50E-07	5.25E-08
		Crystalline Silica	100,000	0.006994265	3.50E-03	3.50E-02	5.25E-03
		Zinc	112	7.83358E-06	3.92E-06	3.92E-05	5.88E-06
T5	Fuel/Lube Truck	Arsenic	21	1.62394E-06	6.50E-07	6.50E-06	9.03E-07
		Beryllium	1	7.73306E-08	3.09E-08	3.09E-07	4.30E-08
		Cadmium	1	7.73306E-08	3.09E-08	3.09E-07	4.30E-08
		Hex-Chromium					
		Chromium	25	1.93327E-06	7.73E-07	7.73E-06	1.07E-06
		Copper	40	3.09323E-06	1.24E-06	1.24E-05	1.72E-06
		Lead	30	2.31992E-06	9.28E-07	9.28E-06	1.29E-06
		Manganese	490	3.7892E-05	1.52E-05	1.52E-04	2.11E-05
		Nickel	19	1.46928E-06	5.88E-07	5.88E-06	8.17E-07
		Selenium	1	7.73306E-08	3.09E-08	3.09E-07	4.30E-08
		Crystalline Silica	100,000	0.007733064	3.09E-03	3.09E-02	4.30E-03
		Zinc	112	8.66103E-06	3.46E-06	3.46E-05	4.82E-06

T6	Product Delivery Trucks	Arsenic	21	See data in Delivery Truck and Employee Vehicle Section.	2.68E-09	2.68E-08	2.40E-09
		Beryllium	1		1.28E-10	1.28E-09	1.14E-10
		Cadmium	1		1.28E-10	1.28E-09	1.14E-10
		Hex-Chromium			0.00E+00	0.00E+00	0.00E+00
		Chromium	25		3.19E-09	3.19E-08	2.86E-09
		Copper	40		5.11E-09	5.11E-08	4.57E-09
		Lead	30		3.83E-09	3.83E-08	3.43E-09
		Manganese	490		6.26E-08	6.26E-07	5.60E-08
		Nickel	19		2.43E-09	2.43E-08	2.17E-09
		Selenium	1		1.28E-10	1.28E-09	1.14E-10
		Crystalline Silica	100,000		1.28E-05	1.28E-04	1.14E-05
		Zinc	112		1.43E-08	1.43E-07	1.28E-08

1 Trace metal concentrations in dust released from unpaved haul roads at mineral industry sites estimates are based upon test results from several San Diego County mineral product facilities provided to the District by AWR Consultants in July 1996.

Trace metal values obtained from San Diego Air Pollution Control District Emission Factor Guidance, "Haul Roads at Mineral Industry Sites", updated August 24, 1999.

Example Aggregate Haul Truck Calculation:

Arsenic (lb/VMT): EF = PM10 EF x Ci

Arsenic (lb/day): EAs = EF x Daily VMT

EAs = 7.18E-06 x 90 VMT/day = 6.47E-04

Summary Totals

Toxic	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
Arsenic	1.20E-04	1.20E-03	9.45E-05
Beryllium	5.73E-06	5.73E-05	4.50E-06
Cadmium	5.73E-06	5.73E-05	4.50E-06
Hex-Chromium			
Chromium	1.43E-04	1.43E-03	1.13E-04
Copper	2.29E-04	2.29E-03	1.80E-04
Lead	1.72E-04	1.72E-03	1.35E-04
Manganese	2.81E-03	2.81E-02	2.21E-03
Nickel	1.09E-04	1.09E-03	8.55E-05
Selenium	5.73E-06	5.73E-05	4.50E-06
Crystalline Silica	5.73E-01	5.73E+00	4.50E-01
Zinc	6.42E-04	6.42E-03	5.04E-04

Recycled Material Plant Dust and TAC Emissions**Production Rate (High):**

Hourly 300 TPH

Daily 2400 TPD

Annual 732000 TPY

Operating Hours:

8 hr/day

2440 hr/yr

Dust Emissions

ID	Description	PM10 EF (lb/ton)	PM2.5 EF (lb/ton)	PM10 (lb/day)	PM10 (TPY)	PM2.5 (lb/day)	PM2.5 (TPY)
RF-1	Recycle Loaded to Feeder	5.40E-04	1.00E-04	1.30E+00	1.98E-01	2.40E-01	3.66E-02
RCR-1	Recycle Crushing	5.40E-04	1.00E-04	1.30E+00	1.98E-01	2.40E-01	3.66E-02
RCR-2	Recycle Crushing	1.35E-05	2.50E-06	3.24E-02	4.94E-03	6.00E-03	9.15E-04
RB-1	Conveyor from Jaw to Discharge	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-2	Conveyor to Feed Screen RS-2	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-3	Conveyor from Impact Crusher Discharge	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-4	Conveyor Close Circuit	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-5	Conveyor under Screen Discharge	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-6	Conveyor Radial Stacking	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-7	Conveyor Product Transfer	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-8	Conveyor Radial Stacking	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-9	Conveyor to Screen RS-1	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RB-10	Conveyor from Screen RS-1 Discharge	4.60E-05	1.30E-05	1.10E-01	1.68E-02	3.12E-02	4.76E-03
RS-1	DD Screen	7.40E-04	5.00E-05	1.78E+00	2.71E-01	1.20E-01	1.83E-02
RS-2	TD Dry Screen	7.40E-04	5.00E-05	1.78E+00	2.71E-01	1.20E-01	1.83E-02
Totals				7.28E+00	1.11E+00	1.04E+00	1.58E-01

Trace Metal Concentrations in Aggregate Dust Released From Aggregate Transfer Points¹

Ci Arsenic (ppmw)	Ci Beryllium (ppmw)	Ci Cadmium (ppmw)	Ci Hex-Chromium (ppmw)	Ci Chromium (ppmw)	Ci Copper (ppmw)	Ci Lead (ppmw)	Ci Manganese (ppmw)	Ci Mercury (ppmw)	Ci Nickel (ppmw)	Ci Selenium (ppmw)
22	1	1	0	28	37	50	530	0	28	1

1. Trace metal concentrations in aggregate dust released from aggregate transfer points estimates are based upon test results from several San Diego County mineral product facilities provided to the District by AWR Consultants in July 1996. Trace metal values obtained from San Diego Air Pollution Control District Emission Factor Guidance, "Aggregate Transfer Points", modified December 30, 1998. Concentrations were reported in parts per million by weight (ppmw), which is equivalent to milligrams per kilograms (mg/kg). Trace metal concentration were converted to lbs/lbs as follows:

Example Calculation: Arsenic (lbs/lbs) = 22 mg/kg x (0.4536 kg / 1 lb) x (1 lb / 453600 mg) = 2.20E-05 lbs/lbs

This factor is then multiplied by the PM10 emission factor, to yield toxic compound emissions.

Toxic Air Contaminant Emissions (Pounds per Hour)

ID	Description	Feed Rate (TPH)	PM10 EF (lb/ton)	Arsenic	Beryllium	Cadmium	Hex-Chromium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium
RF-1	Recycle Loaded to Feeder	300	5.40E-04	3.56E-06	1.62E-07	1.62E-07	0.00E+00	4.54E-06	5.99E-06	8.10E-06	8.59E-05	0.00E+00	4.54E-06	1.62E-07
RCR-1	Recycle Crushing	300	5.40E-04	3.56E-06	1.62E-07	1.62E-07	0.00E+00	4.54E-06	5.99E-06	8.10E-06	8.59E-05	0.00E+00	4.54E-06	1.62E-07
RCR-2	Recycle Crushing	300	1.35E-05	8.91E-08	4.05E-09	4.05E-09	0.00E+00	1.13E-07	1.50E-07	2.03E-07	2.15E-06	0.00E+00	1.13E-07	4.05E-09
RB-1	Conveyor from Jaw to Discharge	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-2	Conveyor to Feed Screen RS-2	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-3	Conveyor from Impact Crusher Discharge	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-4	Conveyor Close Circuit	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-5	Conveyor under Screen Discharge	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-6	Conveyor Radial Stacking	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-7	Conveyor Product Transfer	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-8	Conveyor Radial Stacking	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-9	Conveyor to Screen RS-1	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RB-10	Conveyor from Screen RS-1 Discharge	300	4.60E-05	3.04E-07	1.38E-08	1.38E-08	0.00E+00	3.86E-07	5.11E-07	6.90E-07	7.31E-06	0.00E+00	3.86E-07	1.38E-08
RS-1	DD Screen	300	7.40E-04	4.88E-06	2.22E-07	2.22E-07	0.00E+00	6.22E-06	8.21E-06	1.11E-05	1.18E-04	0.00E+00	6.22E-06	2.22E-07
RS-2	TD Dry Screen	300	7.40E-04	4.88E-06	2.22E-07	2.22E-07	0.00E+00	6.22E-06	8.21E-06	1.11E-05	1.18E-04	0.00E+00	6.22E-06	2.22E-07
			Totals (lb/hr)	2.00E-05	9.10E-07	9.10E-07	0.00E+00	2.55E-05	3.37E-05	4.55E-05	4.82E-04	0.00E+00	2.55E-05	9.10E-07

Toxic Air Contaminant Emissions (Pounds per Day)

ID	Description	Feed Rate (TPH)	PM10 EF (lb/ton)	Arsenic	Beryllium	Cadmium	Hex-Chromium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium
RF-1	Recycle Loaded to Feeder	300	5.40E-04	2.85E-05	1.30E-06	1.30E-06	0.00E+00	3.63E-05	4.80E-05	6.48E-05	6.87E-04	0.00E+00	3.63E-05	1.30E-06
RCR-1	Recycle Crushing	300	5.40E-04	2.85E-05	1.30E-06	1.30E-06	0.00E+00	3.63E-05	4.80E-05	6.48E-05	6.87E-04	0.00E+00	3.63E-05	1.30E-06
RCR-2	Recycle Crushing	300	1.35E-05	7.13E-07	3.24E-08	3.24E-08	0.00E+00	9.07E-07	1.20E-06	1.62E-06	1.72E-05	0.00E+00	9.07E-07	3.24E-08
RB-1	Conveyor from Jaw to Discharge	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-2	Conveyor to Feed Screen RS-2	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-3	Conveyor from Impact Crusher Discharge	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-4	Conveyor Close Circuit	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-5	Conveyor under Screen Discharge	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-6	Conveyor Radial Stacking	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-7	Conveyor Product Transfer	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-8	Conveyor Radial Stacking	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-9	Conveyor to Screen RS-1	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RB-10	Conveyor from Screen RS-1 Discharge	300	4.60E-05	2.43E-06	1.10E-07	1.10E-07	0.00E+00	3.09E-06	4.08E-06	5.52E-06	5.85E-05	0.00E+00	3.09E-06	1.10E-07
RS-1	DD Screen	300	7.40E-04	3.91E-05	1.78E-06	1.78E-06	0.00E+00	4.97E-05	6.57E-05	8.88E-05	9.41E-04	0.00E+00	4.97E-05	1.78E-06
RS-2	TD Dry Screen	300	7.40E-04	3.91E-05	1.78E-06	1.78E-06	0.00E+00	4.97E-05	6.57E-05	8.88E-05	9.41E-04	0.00E+00	4.97E-05	1.78E-06
			Totals (lb/hr)	1.60E-04	7.28E-06	7.28E-06	0.00E+00	2.04E-04	2.69E-04	3.64E-04	3.86E-03	0.00E+00	2.04E-04	7.28E-06

Toxic Air Contaminant Emissions (Tons per Year)

ID	Description	Feed Rate (TPH)	PM10 EF (lb/ton)	Arsenic	Beryllium	Cadmium	Hex-Chromium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium
RF-1	Recycle Loaded to Feeder	300	5.40E-04	4.35E-06	1.98E-07	1.98E-07	0.00E+00	5.53E-06	7.31E-06	9.88E-06	1.05E-04	0.00E+00	5.53E-06	1.98E-07
RCR-1	Recycle Crushing	300	5.40E-04	4.35E-06	1.98E-07	1.98E-07	0.00E+00	5.53E-06	7.31E-06	9.88E-06	1.05E-04	0.00E+00	5.53E-06	1.98E-07
RCR-2	Recycle Crushing	300	1.35E-05	1.09E-07	4.94E-09	4.94E-09	0.00E+00	1.38E-07	1.83E-07	2.47E-07	2.62E-06	0.00E+00	1.38E-07	4.94E-09
RB-1	Conveyor from Jaw to Discharge	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-2	Conveyor to Feed Screen RS-2	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-3	Conveyor from Impact Crusher Discharge	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-4	Conveyor Close Circuit	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-5	Conveyor under Screen Discharge	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-6	Conveyor Radial Stacking	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-7	Conveyor Product Transfer	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-8	Conveyor Radial Stacking	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-9	Conveyor to Screen RS-1	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RB-10	Conveyor from Screen RS-1 Discharge	300	4.60E-05	3.70E-07	1.68E-08	1.68E-08	0.00E+00	4.71E-07	6.23E-07	8.42E-07	8.92E-06	0.00E+00	4.71E-07	1.68E-08
RS-1	DD Screen	300	7.40E-04	5.96E-06	2.71E-07	2.71E-07	0.00E+00	7.58E-06	1.00E-05	1.35E-05	1.44E-04	0.00E+00	7.58E-06	2.71E-07
RS-2	TD Dry Screen	300	7.40E-04	5.96E-06	2.71E-07	2.71E-07	0.00E+00	7.58E-06	1.00E-05	1.35E-05	1.44E-04	0.00E+00	7.58E-06	2.71E-07
Totals (lb/hr)				2.44E-05	1.11E-06	1.11E-06	0.00E+00	3.11E-05	4.11E-05	5.55E-05	5.88E-04	0.00E+00	3.11E-05	1.11E-06

2. Based on emission factor for truck unloading of fragmented stone to the feeder provided in Table 11.19.2-2., AP-42 5th Ed. Final Section 11.19.2 updated August 2004.

3. Based on controlled emission factors (with wet suppression) for applicable activity provided in Table 11.19.2-2 (Crushed Stone Processing and Pulverized Mineral Processing), AP-42 5th Ed. Final Section 11.19.2 updated August 2004. Wet Suppression is consistent with SDAPCD Rule 55.

Fuel Storage Tanks**Diesel Storage Tank**

Tank Capacity 12000 gallon
 Tank Diameter 10 feet
 Tank Shell Height 22 feet
 Annual Throughput 375000 gallon

Oil Tank

Tank Capacity 15000 gallon
 Tank Diameter 11 feet
 Tank Shell Height 22 feet
 Annual Throughput 404872 gallon x 2 tanks

ID	Source	Daily VOC Emissions (lbs/day)	Annual VOC Emissions (lb/yr)	Annual VOC Emissions (TPY)
DST	Diesel Storage Tank	0.02	6.64	0.0033
AOT	Asphalt Oil Tank	0.00	0.49	0.0002
AOT	Asphalt Oil Tank	0.00	0.49	0.0002
TOTAL		0.02	7.62	0.0037
Note: Emissions from fuel storage tanks were calculated using Tanks 4.0, version 4.09b. Oil being stored - Residual oil no. 6				

Oil (quantity)

25500 Tons
 809745 Gallons

Oil Tank Diameter

15,000 gallons = 2,005 cu.ft.

$V = \pi(r)^2 \times h$

$r = \sim 5.4$

$d = \sim 11$

Fuel Storage Tanks**Diesel Storage Tank**

Tank Capacity 10000 gallon
 Tank Diameter 8 feet
 Tank Shell Height 27 feet
 Annual Throughput 290000 gallon

ID	Source	Toxic Air Contaminant	Emissions (lb/hr)	Emissions (lb/day)	Emissions (ton/yr)
DST1	Diesel Storage Tank 1	Hexane (-n)	0.00E+00	0.00E+00	0.00E+00
		Benzene	2.28E-06	5.48E-05	1.00E-05
		Toluene	2.40E-05	5.75E-04	1.05E-04
		Ethylbenzene	3.42E-06	8.22E-05	1.50E-05
		Xylene (-m)	6.28E-05	1.51E-03	2.75E-04
		1,2,4-Trimethylbenzene	5.02E-05	1.21E-03	2.20E-04

Note: Emissions from fuel storage tanks were calculated using Tanks 4.0, version 4.09b.

Fugitive PM10 Emissions - Reclamation**Land Fill and Reclamation Activity****Vehicle Travel (unpaved)**

ID	Source	Miles per round trip	tons/load	Material Transferred (Tons)		VMT	
				Daily	Annual	Daily	Annual
RecLHT1	Off-Road Haul Trucks	0.5	27	3510	642330	65	11895
RecLRG1	Bulldozer	0.5	90	3510	642330	19.5	3568.5

Note: No additional equipment will be used for reclamation activities. Therefore, no additional tailpipe exhaust emissions will be generated (the hours of operation are already accounted for in the on-site vehicle emissions calculations).

Emission Factors**Vehicle Travel**

ID	Source	k (PM10)	k (PM2.5)	s	W	% Control Efficiency	Moisture	PM10 EF lb/VMT	PM2.5 EF lb/VMT
RecLHT1	Off-Road Haul Trucks	1.5	0.15	6.9	230.00	95%	5.7	0.321	0.032
RecLRG1	Bulldozer	1.5	0.15	6.9	77.00	95%	5.7	0.196	0.020

Notes:

1. Silt and moisture content is geometric means for overburden reported in Table 11.9-3 of AP-42
2. Haul truck weight based on the average weight of unloaded and loaded weight. Bulldozer weight based on the estimated Gross Mean Vehicle Weight provided by manufacturer.
3. MOP Section 13.6(D)(2) assigns default maximum control efficiency of 95%.

Emission Factor Source: AP-42 5th edition, Section 13.2.2, Unpaved Roads, Rev. November 2006.

$$E = k(s/12)^a (W/3)^b$$

E = emission factor in lb/VMT a = 0.9

k = particle size multiplier b = 0.45

s = silt content of road surface materials,

W = mean vehicle weight, ton

Material Transfer

ID	Source	k (PM10)	k (PM2.5)	U (mph)	M (%)	PM10 EF lb/ton	PM2.5 EF lb/ton
RecILD1	Haul Truck Loading	0.35	0.053	5.3	7.90	0.000177	0.000027
RecIDP1	Haul Truck Dumping	0.35	0.053	5.3	7.90	0.000177	0.000027

Notes:

1. Annual average wind speed of 5.3 mph obtained from the Otay Mesa weather station.
2. Moisture content is geometric mean for overburden reported in Table 11.9-3 of AP-42.
3. Emission Factor Source: AP-42, 5TH Edition, Section 13.2.4.3 Equation 1. November 2006, as follows:

$$EF = (k \times 0.0032 \times (U/5)^{1.3}) / (M/2)^{1.4}$$

PM10 and PM2.5 Emission Rates

ID	Source	PM10 Emissions			PM2.5 Emissions		
		Hourly (lb/hr)	Daily (lb/day)	Annual (TPY)	Hourly (lb/hr)	Daily (lb/day)	Annual (TPY)
RecIHT1	Off-Road Haul Trucks	2.088087	20.880873	1.910600	0.208809	2.088087	0.191060
RecIRG1	Bulldozer	0.382836	3.828364	0.350295	0.038284	0.382836	0.035030
RecILD1	Haul Truck Loading	0.061971	0.619708	0.056703	0.009384	0.093841	0.008586
RecIDP1	Haul Truck Dumping	0.061971	0.619708	0.056703	0.009384	0.093841	0.008586
	Total	2.594865	25.948651	2.374302	0.265861	2.658607	0.243262

Example Calculation: Loader to Haul Truck PM10 = 3,510 TPD x 0.000199 lb/ton = 0.70 lb/day

APPENDIX B

TANKS INPUT AND OUTPUT FILES

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Identification and Physical Characteristics

Identification

User Identification:	AOT horizontal
City:	San Diego
State:	California
Company:	Superior
Type of Tank:	Horizontal Tank
Description:	Horizontal Asphal Oil Tank

Tank Dimensions

Shell Length (ft):	22.00
Diameter (ft):	11.00
Volume (gallons):	15,000.00
Turnovers:	26.99
Net Throughput(gal/yr):	404,870.00
Is Tank Heated (y/n):	Y
Is Tank Underground (y/n):	N

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition	Good

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: San Diego, California (Avg Atmospheric Pressure = 14.7 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

AOT horizontal - Horizontal Tank
San Diego, California

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F)			Liquid Bulk Temp (deg F)	Vapor Pressure (psia)			Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.		Avg.	Min.	Max.					
Residual oil no. 6	Jan	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Feb	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Mar	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Apr	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	May	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Jun	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Jul	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Aug	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Sep	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Oct	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Nov	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Dec	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	

TANKS 4.0.9d **Emissions Report - Detail Format** **Detail Calculations (AP-42)**

AOT horizontal - Horizontal Tank **San Diego, California**

Month:	January	February	March	April	May	June	July	August	September	October	November	December
Standing Losses (lb):	0.0120	0.0109	0.0120	0.0116	0.0120	0.0116	0.0120	0.0120	0.0116	0.0120	0.0116	0.0120
Vapor Space Volume (cu ft):	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751
Vapor Density (lb/cu ft):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Space Expansion Factor:	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658
Vented Vapor Saturation Factor:	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999
Tank Vapor Space Volume:												
Vapor Space Volume (cu ft):	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751	1,331.6751
Tank Diameter (ft):	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000
Effective Diameter (ft):	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579	17.5579
Vapor Space Outage (ft):	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000
Tank Shell Length (ft):	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000
Vapor Density												
Vapor Density (lb/cu ft):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Molecular Weight (lb/lb-mole):	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000
Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Daily Avg. Liquid Surface Temp. (deg. R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Daily Average Ambient Temp. (deg. F):	57.4000	58.6000	59.5500	62.0000	64.1000	66.7500	70.9500	72.5500	71.3500	67.7500	61.9000	57.4500
Ideal Gas Constant R												
(psia cu ft / (lb-mol-deg R)):	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731
Liquid Bulk Temperature (deg. R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Tank Paint Solar Absorptance (Shell):	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700
Daily Total Solar Insulation												
Factor (Btu/sqft day):	969.8944	1,232.5940	1,566.6793	1,937.5679	1,983.5720	2,052.1024	2,200.5847	2,069.8695	1,724.0452	1,394.4017	1,080.9389	904.5368
Vapor Space Expansion Factor												
Vapor Space Expansion Factor:	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658
Daily Vapor Temperature Range (deg. R):	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000
Daily Vapor Pressure Range (psia):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Breather Vent Press. Setting Range(psia):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Pressure at Daily Average Liquid												
Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Pressure at Daily Minimum Liquid												
Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Pressure at Daily Maximum Liquid												
Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Daily Avg. Liquid Surface Temp. (deg R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Daily Min. Liquid Surface Temp. (deg R):	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700
Daily Max. Liquid Surface Temp. (deg R):	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700
Daily Ambient Temp. Range (deg. R):	17.0000	15.8000	13.5000	12.8000	10.0000	9.7000	10.5000	10.5000	11.5000	13.7000	16.0000	17.3000
Vented Vapor Saturation Factor												
Vented Vapor Saturation Factor:	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999
Vapor Pressure at Daily Average Liquid:												
Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Space Outage (ft):	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000
Working Losses (lb):												
Vapor Molecular Weight (lb/lb-mole):	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290
Vapor Pressure at Daily Average Liquid	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000
Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Net Throughput (gal/mo.):	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667
Annual Turnovers:	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913	26.9913
Turnover Factor:	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Tank Diameter (ft):	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000
Working Loss Product Factor:	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total Losses (lb):	0.0410	0.0399	0.0410	0.0406	0.0410	0.0406	0.0410	0.0410	0.0406	0.0410	0.0406	0.0410

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: January, February, March, April, May, June, July, August, September, October, November, December

AOT horizontal - Horizontal Tank
San Diego, California

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Residual oil no. 6	0.35	0.14	0.49

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Identification and Physical Characteristics

Identification

User Identification:	AOT
City:	San Diego
State:	California
Company:	Superior
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Oil Tank

Tank Dimensions

Shell Height (ft):	22.00
Diameter (ft):	11.00
Liquid Height (ft) :	22.00
Avg. Liquid Height (ft):	19.80
Volume (gallons):	15,000.00
Turnovers:	25.89
Net Throughput(gal/yr):	404,870.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition:	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Roof Characteristics

Type:	Dome
Height (ft)	22.00
Radius (ft) (Dome Roof)	11.00

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meteorological Data used in Emissions Calculations: San Diego, California (Avg Atmospheric Pressure = 14.7 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

AOT - Vertical Fixed Roof Tank
San Diego, California

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F)			Liquid Bulk Temp (deg F)	Vapor Pressure (psia)			Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.		Avg.	Min.	Max.					
Residual oil no. 6	Jan	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Feb	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Mar	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Apr	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	May	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Jun	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Jul	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Aug	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Sep	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Oct	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Nov	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	
Residual oil no. 6	Dec	300.00	275.00	325.00	300.00	0.0002	0.0002	0.0002	190.0000			387.00	

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

AOT - Vertical Fixed Roof Tank
San Diego, California

Month:	January	February	March	April	May	June	July	August	September	October	November	December
Standing Losses (lb):	0.0617	0.0557	0.0617	0.0597	0.0617	0.0597	0.0617	0.0617	0.0597	0.0617	0.0597	0.0617
Vapor Space Volume (cu ft):	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177
Vapor Density (lb/cu ft):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Space Expansion Factor:	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658
Vented Vapor Saturation Factor:	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993
Tank Vapor Space Volume:												
Vapor Space Volume (cu ft):	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177	6,829.7177
Tank Diameter (ft):	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000
Vapor Space Outage (ft):	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667
Tank Shell Height (ft):	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000
Average Liquid Height (ft):	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000	19.8000
Roof Outage (ft):	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667
Roof Outage (Dome Roof)												
Roof Outage (ft):	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667	69.6667
Dome Radius (ft):	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000
Shell Radius (ft):	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000	5.5000
Vapor Density												
Vapor Density (lb/cu ft):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Molecular Weight (lb/lb-mole):	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Daily Avg. Liquid Surface Temp. (deg. R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Daily Average Ambient Temp. (deg. F):	57.4000	58.6000	59.5500	62.0000	64.1000	66.7500	70.9500	72.5500	71.3500	67.7500	61.9000	57.4500
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731
Liquid Bulk Temperature (deg. R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Tank Paint Solar Absorptance (Shell):	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700
Tank Paint Solar Absorptance (Roof):	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700
Daily Total Solar Insulation Factor (Btu/sqft day):	969.8944	1,232.5940	1,566.6793	1,937.5679	1,983.5720	2,052.1024	2,200.5847	2,069.8695	1,724.0452	1,394.4017	1,080.9389	904.5368
Vapor Space Expansion Factor												
Vapor Space Expansion Factor:	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658
Daily Vapor Temperature Range (deg. R):	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000	50.0000
Daily Vapor Pressure Range (psia):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Breather Vent Press. Setting Range(psia):	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Daily Avg. Liquid Surface Temp. (deg R):	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700	759.6700
Daily Min. Liquid Surface Temp. (deg R):	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700	734.6700
Daily Max. Liquid Surface Temp. (deg R):	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700	784.6700
Daily Ambient Temp. Range (deg. R):	17.0000	15.8000	13.5000	12.8000	10.0000	9.7000	10.5000	10.5000	11.5000	13.7000	16.0000	17.3000
Vented Vapor Saturation Factor												
Vented Vapor Saturation Factor:	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993	0.9993
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Vapor Space Outage (ft):	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667	71.8667
Working Losses (lb):	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290	0.0290
Vapor Molecular Weight (lb/lb-mole):	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000	190.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Net Throughput (gal/mo.):	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667	33,739.1667
Annual Turnovers:	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872	25.8872
Turnover Factor:	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Maximum Liquid Volume (gal):	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000	15,000.0000
Maximum Liquid Height (ft):	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000	22.0000
Tank Diameter (ft):	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000	11.0000
Working Loss Product Factor:	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Total Losses (lb):	0.0907	0.0847	0.0907	0.0887	0.0907	0.0887	0.0907	0.0907	0.0887	0.0907	0.0887	0.0907

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: January, February, March, April, May, June, July, August, September, October, November, December

AOT - Vertical Fixed Roof Tank
San Diego, California

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Residual oil no. 6	0.35	0.73	1.07

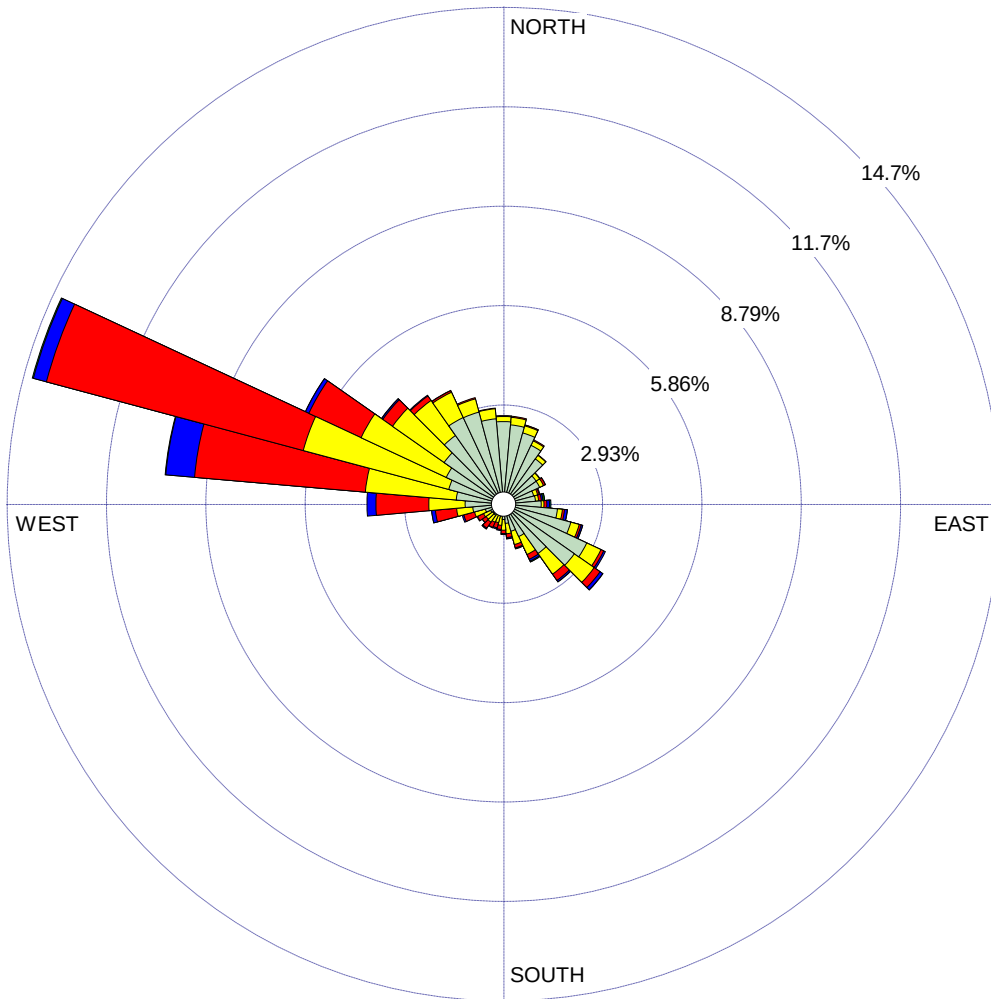
APPENDIX C

METEOROLOGICAL DATA FILES

WIND ROSE PLOT:

Station #3178

DISPLAY:

Wind Speed
Direction (blowing from)

COMMENTS:

Evening hours
6:00pm to 12:00am

DATA PERIOD:

Start Date: 1/1/2015 - 00:00
End Date: 12/31/2017 - 23:59

COMPANY NAME:

MODELER:

CALM WINDS:

1.55%

TOTAL COUNT:

26285 hrs.

AVG. WIND SPEED:

4.61 Knots

DATE:

10/9/2019

PROJECT NO.:

APPENDIX D

AERMOD DISPERSION MODELING DATA FILES

Otay Hills Quarry AERMOD Output File (HRA)

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.1
** Lakes Environmental Software Inc.
** Date: 5/16/2019
** File: F:\Work\SRM 12 - Otay Hills\Analysis\AERMOD\Submitted to APCD\Otay
Hills\Otay Hills.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  POLLUTID TAC
  RUNORNOT RUN
  ERRORFIL "Otay Hills.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION HMA1 POINT 508484.760 3603902.325 209.960
** DESCRSRC HMA Dryer Burner Baghouse
LOCATION OFFRD AREAPOLY 508609.055 3603549.941 224.540
** DESCRSRC OffRoad Equipment
LOCATION CBP1 POINT 508464.160 3603954.680 204.520
** DESCRSRC Cement Unloading to Silo
LOCATION CBP2 POINT 508513.240 3603978.730 206.250
** DESCRSRC Cement Supp Unloading to Silo
LOCATION CBP3 POINT 508488.540 3603966.620 204.770
** DESCRSRC Weigh Hopper Loading
LOCATION CBP4 POINT 508457.530 3604029.800 206.870
** DESCRSRC Central Mix Loading
LOCATION AS1 POINT 508521.016 3603814.945 207.410
** DESCRSRC Aggregate Screen
LOCATION TC5 VOLUME 508520.455 3603817.604 207.170
** DESCRSRC Transfer Conveyor
LOCATION RAP1 VOLUME 508518.293 3603822.068 206.640
** DESCRSRC RAP Feeder Loading
LOCATION HSI1 VOLUME 508571.628 3603836.661 212.740
** DESCRSRC Crusher
LOCATION TC6 VOLUME 508568.372 3603843.796 211.950
** DESCRSRC Transfer Conveyor
LOCATION AS2 VOLUME 508559.451 3603841.388 211.200
** DESCRSRC Aggregate Screen
LOCATION TC7 VOLUME 508563.027 3603844.617 211.390
** DESCRSRC Transfer Conveyor
LOCATION HMA2 VOLUME 508479.420 3603914.260 209.310
** DESCRSRC HMA Plant Loadout
LOCATION HMA3 VOLUME 508456.900 3603894.680 209.690
** DESCRSRC HMA Silo Filling
LOCATION CTB2 POINT 508541.750 3603808.559 211.290
** DESCRSRC Cement Unloading to Silo

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LOCATION CTB1 POINT 508532.505 3603801.731 210.430
** DESCRSRC Aggregate unloading to pubmill
LOCATION SP1 AREA 508576.800 3603735.880 225.470
** DESCRSRC Primary Surge Pile
LOCATION SP2 AREA 508516.090 3603736.720 213.370
** DESCRSRC Quarry Fines Pile
LOCATION SP6 AREA 508481.192 3603855.820 208.880
** DESCRSRC 3/4 Active Storage Pile
LOCATION SP7 AREA 508487.712 3603842.643 207.450
** DESCRSRC 1/2 Active Storage Pile
LOCATION SP8 AREA 508494.379 3603828.378 206.130
** DESCRSRC 3/8 Active Storage Pile
LOCATION SP9 AREA 508501.351 3603814.878 205.640
** DESCRSRC Asphalt Sand Pile
LOCATION SP10 AREA 508507.563 3603801.404 206.090
** DESCRSRC Asphalt Sand Pile 2
LOCATION SP11 AREA 508515.810 3603879.277 209.680
** DESCRSRC Recycle Asphalt Pile
LOCATION SP15 AREA 508472.984 3603688.604 207.050
** DESCRSRC Concrete & Asphalt Recycle Pile
LOCATION SP16 AREA 508503.842 3603695.422 213.970
** DESCRSRC Concrete & Asphalt Recycle Pile
LOCATION SP17 AREA 508519.661 3603678.828 218.150
** DESCRSRC Concrete & Asphalt Recycle Pile
LOCATION SP18 AREA 508523.849 3603652.772 219.040
** DESCRSRC Concrete & Asphalt Recycle Pile
LOCATION HMA4 POINT 508463.840 3603910.080 209.070
** DESCRSRC Hot Oil Heater
LOCATION PLO VOLUME 508506.624 3603792.174 206.070
** DESCRSRC Loading to on-road product haul trucks
LOCATION DST1 AREA 508425.950 3604048.930 210.420
** DESCRSRC Diesel Storage Tank
LOCATION RMP AREA 508486.780 3603663.760 210.450
** DESCRSRC Recycled Material Plant
LOCATION CR1 VOLUME 508578.056 3603707.285 228.120
** DESCRSRC Jaw Crusher
LOCATION CR2 VOLUME 508578.056 3603715.764 227.480
** DESCRSRC Cone Crusher #1
LOCATION SC1 VOLUME 508577.821 3603711.996 227.720
** DESCRSRC Triple Deck Screen #1
LOCATION CR3 VOLUME 508553.561 3603769.229 217.830
** DESCRSRC Cone Crusher #2
LOCATION CR4 VOLUME 508553.797 3603872.863 210.790
** DESCRSRC VSI Crusher #1
LOCATION CR5 VOLUME 508553.797 3603846.012 210.450
** DESCRSRC VSI Crusher #2
LOCATION TP2 VOLUME 508578.456 3603718.318 227.360
** DESCRSRC Transfer Point
LOCATION TP3 VOLUME 508555.095 3603765.654 218.590
** DESCRSRC Transfer Point
LOCATION TP4 VOLUME 508547.103 3603782.867 215.060
** DESCRSRC Transfer Point
LOCATION TP5 VOLUME 508545.136 3603786.802 214.310
** DESCRSRC Transfer Point
LOCATION TP6 VOLUME 508572.923 3603800.941 216.480
** DESCRSRC Transfer Point
LOCATION TP7 VOLUME 508594.808 3603755.326 225.330
** DESCRSRC Transfer Point
LOCATION SC2 VOLUME 508573.169 3603834.138 213.080
** DESCRSRC PROCESS SCREENING
LOCATION SC3 VOLUME 508555.218 3603870.162 210.800
** DESCRSRC PROCESS SCREENING
LOCATION SC4 VOLUME 508551.407 3603851.474 210.060
** DESCRSRC PROCESS SCREENING
LOCATION SC5 VOLUME 508556.448 3603892.785 211.050
** DESCRSRC FINES SCREENING
LOCATION SC6 VOLUME 508560.751 3603894.998 211.210

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Otay Hills Quarry AERMOD Output File (HRA)

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** DESCRSRC FINES SCREENING
LOCATION SC7 VOLUME 508600.587 3603807.703 218.490
** DESCRSRC FINES SCREENING
LOCATION TP8 VOLUME 508588.528 3603802.423 218.240
** DESCRSRC Transfer Point
LOCATION TP9 VOLUME 508575.227 3603830.688 213.550
** DESCRSRC Transfer Point
LOCATION TP10 VOLUME 508569.407 3603842.049 212.160
** DESCRSRC Transfer Point
LOCATION TP11 VOLUME 508561.371 3603857.013 210.870
** DESCRSRC Transfer Point
LOCATION TP12 VOLUME 508555.829 3603868.652 210.800
** DESCRSRC Transfer Point
LOCATION TP13 VOLUME 508551.395 3603878.073 210.820
** DESCRSRC Transfer Point
LOCATION TP14 VOLUME 508548.070 3603887.772 210.760
** DESCRSRC Transfer Point
LOCATION TP15 VOLUME 508556.383 3603892.206 211.070
** DESCRSRC Transfer Point
LOCATION TP16 VOLUME 508560.263 3603893.868 211.210
** DESCRSRC Transfer Point
LOCATION TP17 VOLUME 508577.998 3603848.977 212.500
** DESCRSRC Transfer Point
LOCATION TP18 VOLUME 508574.949 3603847.869 212.300
** DESCRSRC Transfer Point
LOCATION TP19 VOLUME 508597.118 3603807.411 218.320
** DESCRSRC Transfer Point
LOCATION TP20 VOLUME 508589.359 3603803.808 218.180
** DESCRSRC Transfer Point
LOCATION TP21 VOLUME 508564.974 3603809.905 214.390
** DESCRSRC Transfer Point
LOCATION TP22 VOLUME 508514.689 3603906.851 209.410
** DESCRSRC Transfer Point
LOCATION TP23 VOLUME 508519.636 3603911.091 209.410
** DESCRSRC Transfer Point
-----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = HAUL
** DESCRSRC Haul trucks traveling offsite
** PREFIX
** Length of Side = 8.44
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 5.18
** SZINIT = 2.41
** Nodes = 4
** 508401.936, 3604152.778, 216.61, 2.59, 3.92
** 507596.709, 3604149.189, 190.63, 2.59, 3.92
** 507591.142, 3603330.836, 189.22, 2.59, 3.92
** 506788.680, 3603344.782, 183.88, 2.59, 3.92
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LOCATION L0001590 VOLUME 508397.717 3604152.760 215.99
LOCATION L0001591 VOLUME 508389.279 3604152.722 215.47
LOCATION L0001592 VOLUME 508380.840 3604152.684 215.01
LOCATION L0001593 VOLUME 508372.402 3604152.647 214.76
LOCATION L0001594 VOLUME 508363.964 3604152.609 214.52
LOCATION L0001595 VOLUME 508355.525 3604152.571 214.28
LOCATION L0001596 VOLUME 508347.087 3604152.534 214.13
LOCATION L0001597 VOLUME 508338.649 3604152.496 213.99
LOCATION L0001598 VOLUME 508330.210 3604152.459 213.84
LOCATION L0001599 VOLUME 508321.772 3604152.421 213.64
LOCATION L0001600 VOLUME 508313.334 3604152.383 213.43
LOCATION L0001601 VOLUME 508304.895 3604152.346 213.23
LOCATION L0001602 VOLUME 508296.457 3604152.308 213.00
LOCATION L0001603 VOLUME 508288.019 3604152.271 212.77
LOCATION L0001604 VOLUME 508279.581 3604152.233 212.54
LOCATION L0001605 VOLUME 508271.142 3604152.195 212.32

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LOCATION L0001606 VOLUME 508262.704 3604152.158 212.10
LOCATION L0001607 VOLUME 508254.266 3604152.120 211.88
LOCATION L0001608 VOLUME 508245.827 3604152.082 211.51
LOCATION L0001609 VOLUME 508237.389 3604152.045 211.10
LOCATION L0001610 VOLUME 508228.951 3604152.007 210.68
LOCATION L0001611 VOLUME 508220.512 3604151.970 210.25
LOCATION L0001612 VOLUME 508212.074 3604151.932 209.81
LOCATION L0001613 VOLUME 508203.636 3604151.894 209.37
LOCATION L0001614 VOLUME 508195.197 3604151.857 208.91
LOCATION L0001615 VOLUME 508186.759 3604151.819 208.42
LOCATION L0001616 VOLUME 508178.321 3604151.782 207.94
LOCATION L0001617 VOLUME 508169.882 3604151.744 207.53
LOCATION L0001618 VOLUME 508161.444 3604151.706 207.20
LOCATION L0001619 VOLUME 508153.006 3604151.669 206.87
LOCATION L0001620 VOLUME 508144.567 3604151.631 206.55
LOCATION L0001621 VOLUME 508136.129 3604151.593 206.26
LOCATION L0001622 VOLUME 508127.691 3604151.556 205.96
LOCATION L0001623 VOLUME 508119.253 3604151.518 205.68
LOCATION L0001624 VOLUME 508110.814 3604151.481 205.42
LOCATION L0001625 VOLUME 508102.376 3604151.443 205.17
LOCATION L0001626 VOLUME 508093.938 3604151.405 204.94
LOCATION L0001627 VOLUME 508085.499 3604151.368 204.81
LOCATION L0001628 VOLUME 508077.061 3604151.330 204.68
LOCATION L0001629 VOLUME 508068.623 3604151.293 204.55
LOCATION L0001630 VOLUME 508060.184 3604151.255 204.42
LOCATION L0001631 VOLUME 508051.746 3604151.217 204.29
LOCATION L0001632 VOLUME 508043.308 3604151.180 204.16
LOCATION L0001633 VOLUME 508034.869 3604151.142 204.11
LOCATION L0001634 VOLUME 508026.431 3604151.104 204.07
LOCATION L0001635 VOLUME 508017.993 3604151.067 204.03
LOCATION L0001636 VOLUME 508009.554 3604151.029 203.87
LOCATION L0001637 VOLUME 508001.116 3604150.992 203.70
LOCATION L0001638 VOLUME 507992.678 3604150.954 203.53
LOCATION L0001639 VOLUME 507984.239 3604150.916 203.40
LOCATION L0001640 VOLUME 507975.801 3604150.879 203.28
LOCATION L0001641 VOLUME 507967.363 3604150.841 203.16
LOCATION L0001642 VOLUME 507958.925 3604150.804 203.02
LOCATION L0001643 VOLUME 507950.486 3604150.766 202.87
LOCATION L0001644 VOLUME 507942.048 3604150.728 202.72
LOCATION L0001645 VOLUME 507933.610 3604150.691 202.55
LOCATION L0001646 VOLUME 507925.171 3604150.653 202.36
LOCATION L0001647 VOLUME 507916.733 3604150.615 202.17
LOCATION L0001648 VOLUME 507908.295 3604150.578 201.92
LOCATION L0001649 VOLUME 507899.856 3604150.540 201.62
LOCATION L0001650 VOLUME 507891.418 3604150.503 201.32
LOCATION L0001651 VOLUME 507882.980 3604150.465 200.98
LOCATION L0001652 VOLUME 507874.541 3604150.427 200.57
LOCATION L0001653 VOLUME 507866.103 3604150.390 200.16
LOCATION L0001654 VOLUME 507857.665 3604150.352 199.80
LOCATION L0001655 VOLUME 507849.226 3604150.315 199.51
LOCATION L0001656 VOLUME 507840.788 3604150.277 199.23
LOCATION L0001657 VOLUME 507832.350 3604150.239 198.95
LOCATION L0001658 VOLUME 507823.911 3604150.202 198.71
LOCATION L0001659 VOLUME 507815.473 3604150.164 198.47
LOCATION L0001660 VOLUME 507807.035 3604150.126 198.16
LOCATION L0001661 VOLUME 507798.596 3604150.089 197.53
LOCATION L0001662 VOLUME 507790.158 3604150.051 196.90
LOCATION L0001663 VOLUME 507781.720 3604150.014 196.29
LOCATION L0001664 VOLUME 507773.282 3604149.976 195.83
LOCATION L0001665 VOLUME 507764.843 3604149.938 195.37
LOCATION L0001666 VOLUME 507756.405 3604149.901 194.91
LOCATION L0001667 VOLUME 507747.967 3604149.863 194.57
LOCATION L0001668 VOLUME 507739.528 3604149.826 194.23
LOCATION L0001669 VOLUME 507731.090 3604149.788 193.90
LOCATION L0001670 VOLUME 507722.652 3604149.750 193.53
LOCATION L0001671 VOLUME 507714.213 3604149.713 193.16
LOCATION L0001672 VOLUME 507705.775 3604149.675 192.78

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Otay Hills Quarry AERMOD Output File (HRA)

LOCATION	L0001673	VOLUME	507697.337	3604149.637	192.49
LOCATION	L0001674	VOLUME	507688.898	3604149.600	192.22
LOCATION	L0001675	VOLUME	507680.460	3604149.562	191.94
LOCATION	L0001676	VOLUME	507672.022	3604149.525	191.74
LOCATION	L0001677	VOLUME	507663.583	3604149.487	191.57
LOCATION	L0001678	VOLUME	507655.145	3604149.449	191.40
LOCATION	L0001679	VOLUME	507646.707	3604149.412	191.29
LOCATION	L0001680	VOLUME	507638.268	3604149.374	191.20
LOCATION	L0001681	VOLUME	507629.830	3604149.337	191.12
LOCATION	L0001682	VOLUME	507621.392	3604149.299	191.06
LOCATION	L0001683	VOLUME	507612.954	3604149.261	191.03
LOCATION	L0001684	VOLUME	507604.515	3604149.224	190.99
LOCATION	L0001685	VOLUME	507596.705	3604148.556	190.93
LOCATION	L0001686	VOLUME	507596.648	3604140.118	190.83
LOCATION	L0001687	VOLUME	507596.590	3604131.680	190.72
LOCATION	L0001688	VOLUME	507596.533	3604123.242	190.64
LOCATION	L0001689	VOLUME	507596.476	3604114.804	190.55
LOCATION	L0001690	VOLUME	507596.418	3604106.365	190.46
LOCATION	L0001691	VOLUME	507596.361	3604097.927	190.39
LOCATION	L0001692	VOLUME	507596.303	3604089.489	190.47
LOCATION	L0001693	VOLUME	507596.246	3604081.051	190.55
LOCATION	L0001694	VOLUME	507596.189	3604072.613	190.63
LOCATION	L0001695	VOLUME	507596.131	3604064.174	190.70
LOCATION	L0001696	VOLUME	507596.074	3604055.736	190.77
LOCATION	L0001697	VOLUME	507596.016	3604047.298	190.84
LOCATION	L0001698	VOLUME	507595.959	3604038.860	190.91
LOCATION	L0001699	VOLUME	507595.902	3604030.421	190.96
LOCATION	L0001700	VOLUME	507595.844	3604021.983	191.00
LOCATION	L0001701	VOLUME	507595.787	3604013.545	191.04
LOCATION	L0001702	VOLUME	507595.729	3604005.107	191.08
LOCATION	L0001703	VOLUME	507595.672	3603996.669	191.07
LOCATION	L0001704	VOLUME	507595.614	3603988.230	191.07
LOCATION	L0001705	VOLUME	507595.557	3603979.792	191.07
LOCATION	L0001706	VOLUME	507595.500	3603971.354	191.05
LOCATION	L0001707	VOLUME	507595.442	3603962.916	191.02
LOCATION	L0001708	VOLUME	507595.385	3603954.478	190.98
LOCATION	L0001709	VOLUME	507595.327	3603946.039	190.95
LOCATION	L0001710	VOLUME	507595.270	3603937.601	190.89
LOCATION	L0001711	VOLUME	507595.213	3603929.163	190.82
LOCATION	L0001712	VOLUME	507595.155	3603920.725	190.74
LOCATION	L0001713	VOLUME	507595.098	3603912.287	190.67
LOCATION	L0001714	VOLUME	507595.040	3603903.848	190.60
LOCATION	L0001715	VOLUME	507594.983	3603895.410	190.53
LOCATION	L0001716	VOLUME	507594.926	3603886.972	190.47
LOCATION	L0001717	VOLUME	507594.868	3603878.534	190.41
LOCATION	L0001718	VOLUME	507594.811	3603870.096	190.37
LOCATION	L0001719	VOLUME	507594.753	3603861.657	190.33
LOCATION	L0001720	VOLUME	507594.696	3603853.219	190.30
LOCATION	L0001721	VOLUME	507594.639	3603844.781	190.25
LOCATION	L0001722	VOLUME	507594.581	3603836.343	190.21
LOCATION	L0001723	VOLUME	507594.524	3603827.905	190.17
LOCATION	L0001724	VOLUME	507594.466	3603819.466	190.13
LOCATION	L0001725	VOLUME	507594.409	3603811.028	190.12
LOCATION	L0001726	VOLUME	507594.352	3603802.590	190.10
LOCATION	L0001727	VOLUME	507594.294	3603794.152	190.09
LOCATION	L0001728	VOLUME	507594.237	3603785.714	190.13
LOCATION	L0001729	VOLUME	507594.179	3603777.275	190.21
LOCATION	L0001730	VOLUME	507594.122	3603768.837	190.29
LOCATION	L0001731	VOLUME	507594.065	3603760.399	190.37
LOCATION	L0001732	VOLUME	507594.007	3603751.961	190.37
LOCATION	L0001733	VOLUME	507593.950	3603743.523	190.36
LOCATION	L0001734	VOLUME	507593.892	3603735.084	190.34
LOCATION	L0001735	VOLUME	507593.835	3603726.646	190.28
LOCATION	L0001736	VOLUME	507593.778	3603718.208	190.12
LOCATION	L0001737	VOLUME	507593.720	3603709.770	189.96
LOCATION	L0001738	VOLUME	507593.663	3603701.332	189.79
LOCATION	L0001739	VOLUME	507593.605	3603692.893	189.77

LOCATION	L0001740	VOLUME	507593.548	3603684.455	189.82
LOCATION	L0001741	VOLUME	507593.491	3603676.017	189.88
LOCATION	L0001742	VOLUME	507593.433	3603667.579	189.94
LOCATION	L0001743	VOLUME	507593.376	3603659.140	190.10
LOCATION	L0001744	VOLUME	507593.318	3603650.702	190.27
LOCATION	L0001745	VOLUME	507593.261	3603642.264	190.43
LOCATION	L0001746	VOLUME	507593.204	3603633.826	190.57
LOCATION	L0001747	VOLUME	507593.146	3603625.388	190.64
LOCATION	L0001748	VOLUME	507593.089	3603616.949	190.71
LOCATION	L0001749	VOLUME	507593.031	3603608.511	190.79
LOCATION	L0001750	VOLUME	507592.974	3603600.073	190.81
LOCATION	L0001751	VOLUME	507592.917	3603591.635	190.81
LOCATION	L0001752	VOLUME	507592.859	3603583.197	190.80
LOCATION	L0001753	VOLUME	507592.802	3603574.758	190.79
LOCATION	L0001754	VOLUME	507592.744	3603566.320	190.70
LOCATION	L0001755	VOLUME	507592.687	3603557.882	190.61
LOCATION	L0001756	VOLUME	507592.630	3603549.444	190.52
LOCATION	L0001757	VOLUME	507592.572	3603541.006	190.48
LOCATION	L0001758	VOLUME	507592.515	3603532.567	190.54
LOCATION	L0001759	VOLUME	507592.457	3603524.129	190.59
LOCATION	L0001760	VOLUME	507592.400	3603515.691	190.64
LOCATION	L0001761	VOLUME	507592.342	3603507.253	190.68
LOCATION	L0001762	VOLUME	507592.285	3603498.815	190.72
LOCATION	L0001763	VOLUME	507592.228	3603490.376	190.76
LOCATION	L0001764	VOLUME	507592.170	3603481.938	190.80
LOCATION	L0001765	VOLUME	507592.113	3603473.500	190.87
LOCATION	L0001766	VOLUME	507592.055	3603465.062	190.94
LOCATION	L0001767	VOLUME	507591.998	3603456.624	191.01
LOCATION	L0001768	VOLUME	507591.941	3603448.185	191.06
LOCATION	L0001769	VOLUME	507591.883	3603439.747	191.09
LOCATION	L0001770	VOLUME	507591.826	3603431.309	191.12
LOCATION	L0001771	VOLUME	507591.768	3603422.871	191.15
LOCATION	L0001772	VOLUME	507591.711	3603414.433	191.14
LOCATION	L0001773	VOLUME	507591.654	3603405.994	191.11
LOCATION	L0001774	VOLUME	507591.596	3603397.556	191.09
LOCATION	L0001775	VOLUME	507591.539	3603389.118	191.04
LOCATION	L0001776	VOLUME	507591.481	3603380.680	190.90
LOCATION	L0001777	VOLUME	507591.424	3603372.242	190.76
LOCATION	L0001778	VOLUME	507591.367	3603363.803	190.61
LOCATION	L0001779	VOLUME	507591.309	3603355.365	190.37
LOCATION	L0001780	VOLUME	507591.252	3603346.927	190.04
LOCATION	L0001781	VOLUME	507591.194	3603338.489	189.71
LOCATION	L0001782	VOLUME	507590.357	3603330.850	189.42
LOCATION	L0001783	VOLUME	507581.920	3603330.996	189.60
LOCATION	L0001784	VOLUME	507573.483	3603331.143	189.77
LOCATION	L0001785	VOLUME	507565.045	3603331.290	189.77
LOCATION	L0001786	VOLUME	507556.608	3603331.436	189.78
LOCATION	L0001787	VOLUME	507548.171	3603331.583	189.80
LOCATION	L0001788	VOLUME	507539.734	3603331.730	189.88
LOCATION	L0001789	VOLUME	507531.297	3603331.876	189.98
LOCATION	L0001790	VOLUME	507522.860	3603332.023	190.08
LOCATION	L0001791	VOLUME	507514.423	3603332.169	190.24
LOCATION	L0001792	VOLUME	507505.986	3603332.316	190.40
LOCATION	L0001793	VOLUME	507497.548	3603332.463	190.56
LOCATION	L0001794	VOLUME	507489.111	3603332.609	190.73
LOCATION	L0001795	VOLUME	507480.674	3603332.756	190.90
LOCATION	L0001796	VOLUME	507472.237	3603332.903	191.06
LOCATION	L0001797	VOLUME	507463.800	3603333.049	191.28
LOCATION	L0001798	VOLUME	507455.363	3603333.196	191.50
LOCATION	L0001799	VOLUME	507446.926	3603333.342	191.72
LOCATION	L0001800	VOLUME	507438.489	3603333.489	191.99
LOCATION	L0001801	VOLUME	507430.051	3603333.636	192.28
LOCATION	L0001802	VOLUME	507421.614	3603333.782	192.58
LOCATION	L0001803	VOLUME	507413.177	3603333.929	192.85
LOCATION	L0001804	VOLUME	507404.740	3603334.076	193.12
LOCATION	L0001805	VOLUME	507396.303	3603334.222	193.39
LOCATION	L0001806	VOLUME	507387.866	3603334.369	193.63

Otay Hills Quarry AERMOD Output File (HRA)

LOCATION	VOLUME	507379.429	3603334.516	193.84
LOCATION L0001807	VOLUME	507379.429	3603334.516	193.84
LOCATION L0001808	VOLUME	507370.992	3603334.662	194.06
LOCATION L0001809	VOLUME	507362.554	3603334.809	194.26
LOCATION L0001810	VOLUME	507354.117	3603334.955	194.44
LOCATION L0001811	VOLUME	507345.680	3603335.102	194.62
LOCATION L0001812	VOLUME	507337.243	3603335.249	194.78
LOCATION L0001813	VOLUME	507328.806	3603335.395	194.90
LOCATION L0001814	VOLUME	507320.369	3603335.542	195.03
LOCATION L0001815	VOLUME	507311.932	3603335.689	195.13
LOCATION L0001816	VOLUME	507303.495	3603335.835	195.16
LOCATION L0001817	VOLUME	507295.057	3603335.982	195.20
LOCATION L0001818	VOLUME	507286.620	3603336.129	195.22
LOCATION L0001819	VOLUME	507278.183	3603336.275	195.20
LOCATION L0001820	VOLUME	507269.746	3603336.422	195.18
LOCATION L0001821	VOLUME	507261.309	3603336.568	195.14
LOCATION L0001822	VOLUME	507252.872	3603336.715	195.08
LOCATION L0001823	VOLUME	507244.435	3603336.862	195.01
LOCATION L0001824	VOLUME	507235.998	3603337.008	194.94
LOCATION L0001825	VOLUME	507227.560	3603337.155	194.85
LOCATION L0001826	VOLUME	507219.123	3603337.302	194.76
LOCATION L0001827	VOLUME	507210.686	3603337.448	194.67
LOCATION L0001828	VOLUME	507202.249	3603337.595	194.30
LOCATION L0001829	VOLUME	507193.812	3603337.741	193.88
LOCATION L0001830	VOLUME	507185.375	3603337.888	193.44
LOCATION L0001831	VOLUME	507176.938	3603338.035	193.09
LOCATION L0001832	VOLUME	507168.501	3603338.181	192.75
LOCATION L0001833	VOLUME	507160.063	3603338.328	192.41
LOCATION L0001834	VOLUME	507151.626	3603338.475	192.20
LOCATION L0001835	VOLUME	507143.189	3603338.621	192.05
LOCATION L0001836	VOLUME	507134.752	3603338.768	191.91
LOCATION L0001837	VOLUME	507126.315	3603338.915	191.75
LOCATION L0001838	VOLUME	507117.878	3603339.061	191.59
LOCATION L0001839	VOLUME	507109.441	3603339.208	191.43
LOCATION L0001840	VOLUME	507101.004	3603339.354	191.25
LOCATION L0001841	VOLUME	507092.566	3603339.501	191.06
LOCATION L0001842	VOLUME	507084.129	3603339.648	190.86
LOCATION L0001843	VOLUME	507075.692	3603339.794	190.66
LOCATION L0001844	VOLUME	507067.255	3603339.941	190.45
LOCATION L0001845	VOLUME	507058.818	3603340.088	190.25
LOCATION L0001846	VOLUME	507050.381	3603340.234	190.03
LOCATION L0001847	VOLUME	507041.944	3603340.381	189.78
LOCATION L0001848	VOLUME	507033.507	3603340.527	189.53
LOCATION L0001849	VOLUME	507025.069	3603340.674	189.27
LOCATION L0001850	VOLUME	507016.632	3603340.821	188.95
LOCATION L0001851	VOLUME	507008.195	3603340.967	188.63
LOCATION L0001852	VOLUME	506999.758	3603341.114	188.31
LOCATION L0001853	VOLUME	506991.321	3603341.261	187.96
LOCATION L0001854	VOLUME	506982.884	3603341.407	187.62
LOCATION L0001855	VOLUME	506974.447	3603341.554	187.28
LOCATION L0001856	VOLUME	506966.010	3603341.701	186.96
LOCATION L0001857	VOLUME	506957.572	3603341.847	186.64
LOCATION L0001858	VOLUME	506949.135	3603341.994	186.32
LOCATION L0001859	VOLUME	506940.698	3603342.140	186.06
LOCATION L0001860	VOLUME	506932.261	3603342.287	185.80
LOCATION L0001861	VOLUME	506923.824	3603342.434	185.54
LOCATION L0001862	VOLUME	506915.387	3603342.580	185.30
LOCATION L0001863	VOLUME	506906.950	3603342.727	185.06
LOCATION L0001864	VOLUME	506898.513	3603342.874	184.82
LOCATION L0001865	VOLUME	506890.075	3603343.020	184.66
LOCATION L0001866	VOLUME	506881.638	3603343.167	184.51
LOCATION L0001867	VOLUME	506873.201	3603343.313	184.36
LOCATION L0001868	VOLUME	506864.764	3603343.460	184.24
LOCATION L0001869	VOLUME	506856.327	3603343.607	184.12
LOCATION L0001870	VOLUME	506847.890	3603343.753	184.00
LOCATION L0001871	VOLUME	506839.453	3603343.900	183.93
LOCATION L0001872	VOLUME	506831.016	3603344.047	183.88
LOCATION L0001873	VOLUME	506822.578	3603344.193	183.84

LOCATION	VOLUME	506814.141	3603344.340	183.81
LOCATION L0001874	VOLUME	506814.141	3603344.340	183.81
LOCATION L0001875	VOLUME	506805.704	3603344.487	183.80
LOCATION L0001876	VOLUME	506797.267	3603344.633	183.79
LOCATION L0001877	VOLUME	506788.830	3603344.780	183.90
** End of LINE VOLUME Source ID = HAUL				
** -----				
** Line Source Represented by Adjacent Volume Sources				
** LINE VOLUME Source ID = ROAD				
** DESCRSRC Equipment and Trucks traveling on unpaved roads onsite				
** PREFIX				
** Length of Side = 8.44				
** Configuration = Adjacent				
** Emission Rate = 1.0				
** Vertical Dimension = 5.18				
** SZINIT = 2.41				
** Nodes = 41				
** 508488.462, 3604131.691, 216.56, 2.59, 3.92				
** 508538.947, 3604100.692, 213.03, 2.59, 3.92				
** 508557.989, 3604077.221, 208.12, 2.59, 3.92				
** 508557.989, 3604067.036, 207.36, 2.59, 3.92				
** 508555.775, 3604058.179, 207.71, 2.59, 3.92				
** 508550.018, 3604052.865, 207.96, 2.59, 3.92				
** 508416.722, 3603999.281, 203.61, 2.59, 3.92				
** 508409.193, 3603994.410, 202.98, 2.59, 3.92				
** 508405.651, 3603986.881, 201.33, 2.59, 3.92				
** 508417.165, 3603893.884, 207.08, 2.59, 3.92				
** 508433.993, 3603852.257, 203.76, 2.59, 3.92				
** 508457.463, 3603827.900, 206.29, 2.59, 3.92				
** 508495.814, 3603808.219, 204.96, 2.59, 3.92				
** 508505.621, 3603792.282, 206.89, 2.59, 3.92				
** 508516.654, 3603737.730, 213.31, 2.59, 3.92				
** 508539.946, 3603721.181, 218.93, 2.59, 3.92				
** 508549.753, 3603711.987, 220.03, 2.59, 3.92				
** 508560.786, 3603689.308, 226.28, 2.59, 3.92				
** 508569.368, 3603671.532, 228.00, 2.59, 3.92				
** 508568.755, 3603661.725, 227.97, 2.59, 3.92				
** 508565.690, 3603656.821, 227.67, 2.59, 3.92				
** 508556.496, 3603656.208, 226.80, 2.59, 3.92				
** 508551.592, 3603662.951, 225.58, 2.59, 3.92				
** 508548.802, 3603694.292, 222.17, 2.59, 3.92				
** 508536.835, 3603717.410, 219.36, 2.59, 3.92				
** 508507.190, 3603733.456, 212.98, 2.59, 3.92				
** 508503.927, 3603736.176, 212.21, 2.59, 3.92				
** 508472.106, 3603775.340, 202.21, 2.59, 3.92				
** 508444.909, 3603831.366, 201.92, 2.59, 3.92				
** 508406.832, 3603860.739, 205.00, 2.59, 3.92				
** 508402.876, 3603867.622, 205.26, 2.59, 3.92				
** 508401.917, 3603875.302, 206.25, 2.59, 3.92				
** 508401.036, 3604014.122, 204.67, 2.59, 3.92				
** 508406.767, 3604060.494, 211.37, 2.59, 3.92				
** 508418.230, 3604071.435, 211.75, 2.59, 3.92				
** 508429.172, 3604074.041, 212.57, 2.59, 3.92				
** 508518.269, 3604071.435, 210.84, 2.59, 3.92				
** 508527.647, 3604079.772, 211.70, 2.59, 3.92				
** 508529.731, 3604089.151, 212.59, 2.59, 3.92				
** 508524.983, 3604098.881, 213.55, 2.59, 3.92				
** 508484.024, 3604125.760, 216.58, 2.59, 3.92				
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LOCATION L0001431	VOLUME	508492.058	3604129.483	216.47
LOCATION L0001432	VOLUME	508499.249	3604125.068	216.12
LOCATION L0001433	VOLUME	508506.440	3604120.652	215.78
LOCATION L0001434	VOLUME	508513.631	3604116.237	215.41
LOCATION L0001435	VOLUME	508520.822	3604111.821	214.71
LOCATION L0001436	VOLUME	508528.013	3604107.406	214.04
LOCATION L0001437	VOLUME	508535.204	3604102.990	213.40
LOCATION L0001438	VOLUME	508541.496	3604097.550	212.54
LOCATION L0001439	VOLUME	508546.812	3604090.997	211.33

Otay Hills Quarry AERMOD Output File (HRA)

LOCATION	L0001440	VOLUME	508552.129	3604084.444	210.09
LOCATION	L0001441	VOLUME	508557.445	3604077.891	208.81
LOCATION	L0001442	VOLUME	508557.989	3604069.645	207.94
LOCATION	L0001443	VOLUME	508556.575	3604061.381	207.51
LOCATION	L0001444	VOLUME	508551.999	3604054.694	207.28
LOCATION	L0001445	VOLUME	508544.690	3604050.723	207.15
LOCATION	L0001446	VOLUME	508536.861	3604047.576	206.93
LOCATION	L0001447	VOLUME	508529.032	3604044.429	206.82
LOCATION	L0001448	VOLUME	508521.202	3604041.281	206.77
LOCATION	L0001449	VOLUME	508513.373	3604038.134	206.76
LOCATION	L0001450	VOLUME	508505.543	3604034.986	206.33
LOCATION	L0001451	VOLUME	508497.714	3604031.839	205.82
LOCATION	L0001452	VOLUME	508489.884	3604028.692	205.29
LOCATION	L0001453	VOLUME	508482.055	3604025.544	205.07
LOCATION	L0001454	VOLUME	508474.225	3604022.397	204.91
LOCATION	L0001455	VOLUME	508466.396	3604019.250	204.57
LOCATION	L0001456	VOLUME	508458.566	3604016.102	204.18
LOCATION	L0001457	VOLUME	508450.737	3604012.955	204.12
LOCATION	L0001458	VOLUME	508442.907	3604009.807	204.12
LOCATION	L0001459	VOLUME	508435.078	3604006.660	204.22
LOCATION	L0001460	VOLUME	508427.248	3604003.513	204.07
LOCATION	L0001461	VOLUME	508419.419	3604000.365	203.82
LOCATION	L0001462	VOLUME	508412.078	3603996.276	203.37
LOCATION	L0001463	VOLUME	508407.063	3603989.883	202.46
LOCATION	L0001464	VOLUME	508406.280	3603981.799	201.30
LOCATION	L0001465	VOLUME	508407.317	3603973.425	200.54
LOCATION	L0001466	VOLUME	508408.354	3603965.050	200.59
LOCATION	L0001467	VOLUME	508409.390	3603956.676	200.68
LOCATION	L0001468	VOLUME	508410.427	3603948.301	200.81
LOCATION	L0001469	VOLUME	508411.464	3603939.927	201.68
LOCATION	L0001470	VOLUME	508412.501	3603931.552	202.88
LOCATION	L0001471	VOLUME	508413.538	3603923.178	204.08
LOCATION	L0001472	VOLUME	508414.575	3603914.803	205.26
LOCATION	L0001473	VOLUME	508415.611	3603906.429	205.91
LOCATION	L0001474	VOLUME	508416.648	3603898.054	206.57
LOCATION	L0001475	VOLUME	508418.752	3603889.957	207.31
LOCATION	L0001476	VOLUME	508421.915	3603882.133	207.77
LOCATION	L0001477	VOLUME	508425.078	3603874.310	207.00
LOCATION	L0001478	VOLUME	508428.240	3603866.487	206.00
LOCATION	L0001479	VOLUME	508431.403	3603858.663	204.77
LOCATION	L0001480	VOLUME	508435.053	3603851.156	203.62
LOCATION	L0001481	VOLUME	508440.908	3603845.080	204.34
LOCATION	L0001482	VOLUME	508446.764	3603839.004	204.99
LOCATION	L0001483	VOLUME	508452.619	3603832.928	205.59
LOCATION	L0001484	VOLUME	508458.760	3603827.235	206.24
LOCATION	L0001485	VOLUME	508466.267	3603823.382	206.09
LOCATION	L0001486	VOLUME	508473.775	3603819.530	205.56
LOCATION	L0001487	VOLUME	508481.282	3603815.677	205.10
LOCATION	L0001488	VOLUME	508488.790	3603811.824	204.84
LOCATION	L0001489	VOLUME	508496.099	3603807.757	205.14
LOCATION	L0001490	VOLUME	508500.521	3603800.570	205.36
LOCATION	L0001491	VOLUME	508504.944	3603793.383	205.84
LOCATION	L0001492	VOLUME	508507.038	3603785.278	206.74
LOCATION	L0001493	VOLUME	508508.711	3603777.007	207.82
LOCATION	L0001494	VOLUME	508510.383	3603768.737	208.98
LOCATION	L0001495	VOLUME	508512.056	3603760.466	210.20
LOCATION	L0001496	VOLUME	508513.729	3603752.195	211.38
LOCATION	L0001497	VOLUME	508515.402	3603743.924	212.53
LOCATION	L0001498	VOLUME	508518.382	3603736.503	213.85
LOCATION	L0001499	VOLUME	508525.261	3603731.615	215.71
LOCATION	L0001500	VOLUME	508532.140	3603726.727	217.48
LOCATION	L0001501	VOLUME	508539.018	3603721.840	219.25
LOCATION	L0001502	VOLUME	508545.272	3603716.188	220.96
LOCATION	L0001503	VOLUME	508550.758	3603709.922	222.57
LOCATION	L0001504	VOLUME	508554.449	3603702.334	223.94
LOCATION	L0001505	VOLUME	508558.141	3603694.746	225.16
LOCATION	L0001506	VOLUME	508561.826	3603687.155	226.29

LOCATION	L0001507	VOLUME	508565.494	3603679.555	227.43
LOCATION	L0001508	VOLUME	508569.163	3603671.956	228.47
LOCATION	L0001509	VOLUME	508568.871	3603663.580	228.45
LOCATION	L0001510	VOLUME	508564.895	3603656.768	227.49
LOCATION	L0001511	VOLUME	508556.483	3603656.225	225.72
LOCATION	L0001512	VOLUME	508551.581	3603663.073	224.88
LOCATION	L0001513	VOLUME	508550.833	3603671.478	224.74
LOCATION	L0001514	VOLUME	508550.085	3603679.883	224.19
LOCATION	L0001515	VOLUME	508549.336	3603688.288	223.64
LOCATION	L0001516	VOLUME	508547.694	3603696.433	222.92
LOCATION	L0001517	VOLUME	508543.815	3603703.927	221.62
LOCATION	L0001518	VOLUME	508539.935	3603711.421	220.24
LOCATION	L0001519	VOLUME	508535.345	3603718.217	218.79
LOCATION	L0001520	VOLUME	508527.924	3603722.233	216.98
LOCATION	L0001521	VOLUME	508520.503	3603726.250	215.18
LOCATION	L0001522	VOLUME	508513.082	3603730.267	213.39
LOCATION	L0001523	VOLUME	508505.854	3603734.569	211.49
LOCATION	L0001524	VOLUME	508500.188	3603740.778	209.67
LOCATION	L0001525	VOLUME	508494.867	3603747.327	207.82
LOCATION	L0001526	VOLUME	508489.545	3603753.876	205.93
LOCATION	L0001527	VOLUME	508484.224	3603760.425	204.23
LOCATION	L0001528	VOLUME	508478.903	3603766.974	203.43
LOCATION	L0001529	VOLUME	508473.582	3603773.523	202.94
LOCATION	L0001530	VOLUME	508469.443	3603780.826	202.80
LOCATION	L0001531	VOLUME	508465.758	3603788.417	202.93
LOCATION	L0001532	VOLUME	508462.073	3603796.008	203.46
LOCATION	L0001533	VOLUME	508458.388	3603803.599	203.91
LOCATION	L0001534	VOLUME	508454.703	3603811.190	204.04
LOCATION	L0001535	VOLUME	508451.018	3603818.782	203.97
LOCATION	L0001536	VOLUME	508447.332	3603826.373	203.88
LOCATION	L0001537	VOLUME	508442.622	3603833.130	203.58
LOCATION	L0001538	VOLUME	508435.941	3603838.284	202.67
LOCATION	L0001539	VOLUME	508429.259	3603843.439	203.01
LOCATION	L0001540	VOLUME	508422.578	3603848.593	203.79
LOCATION	L0001541	VOLUME	508415.897	3603853.747	204.72
LOCATION	L0001542	VOLUME	508409.215	3603858.901	205.34
LOCATION	L0001543	VOLUME	508404.127	3603865.446	205.39
LOCATION	L0001544	VOLUME	508402.141	3603873.505	205.63
LOCATION	L0001545	VOLUME	508401.874	3603881.929	206.01
LOCATION	L0001546	VOLUME	508401.821	3603890.368	205.72
LOCATION	L0001547	VOLUME	508401.767	3603898.806	205.21
LOCATION	L0001548	VOLUME	508401.714	3603907.244	204.70
LOCATION	L0001549	VOLUME	508401.660	3603915.682	204.13
LOCATION	L0001550	VOLUME	508401.607	3603924.121	203.04
LOCATION	L0001551	VOLUME	508401.553	3603932.559	201.95
LOCATION	L0001552	VOLUME	508401.500	3603940.997	200.86
LOCATION	L0001553	VOLUME	508401.446	3603949.435	200.29
LOCATION	L0001554	VOLUME	508401.393	3603957.873	200.33
LOCATION	L0001555	VOLUME	508401.339	3603966.312	200.38
LOCATION	L0001556	VOLUME	508401.286	3603974.750	200.42
LOCATION	L0001557	VOLUME	508401.232	3603983.188	201.42
LOCATION	L0001558	VOLUME	508401.179	3603991.626	202.65
LOCATION	L0001559	VOLUME	508401.125	3604000.065	203.87
LOCATION	L0001560	VOLUME	508401.072	3604008.503	205.09
LOCATION	L0001561	VOLUME	508401.382	3604016.920	206.25
LOCATION	L0001562	VOLUME	508402.417	3604025.295	207.43
LOCATION	L0001563	VOLUME	508403.452	3604033.669	208.62
LOCATION	L0001564	VOLUME	508404.487	3604042.044	209.53
LOCATION	L0001565	VOLUME	508405.522	3604050.419	210.16
LOCATION	L0001566	VOLUME	508406.557	3604058.793	210.84
LOCATION	L0001567	VOLUME	508411.632	3604065.137	211.58
LOCATION	L0001568	VOLUME	508417.736	3604070.964	212.30
LOCATION	L0001569	VOLUME	508425.775	3604073.232	212.79
LOCATION	L0001570	VOLUME	508434.116	3604073.896	213.16
LOCATION	L0001571	VOLUME	508442.551	3604073.649	213.05
LOCATION	L0001572	VOLUME	508450.985	3604073.403	212.91
LOCATION	L0001573	VOLUME	508459.420	3604073.156	212.77

Otay Hills Quarry AERMOD Output File (HRA)

LOCATION	L0001574	VOLUME	508467.855	3604072.909	212.33
LOCATION	L0001575	VOLUME	508476.290	3604072.663	211.83
LOCATION	L0001576	VOLUME	508484.725	3604072.416	211.32
LOCATION	L0001577	VOLUME	508493.159	3604072.170	211.23
LOCATION	L0001578	VOLUME	508501.594	3604071.923	211.26
LOCATION	L0001579	VOLUME	508510.029	3604071.676	211.30
LOCATION	L0001580	VOLUME	508518.415	3604071.565	211.14
LOCATION	L0001581	VOLUME	508524.721	3604077.171	211.50
LOCATION	L0001582	VOLUME	508528.628	3604084.188	212.04
LOCATION	L0001583	VOLUME	508528.260	3604092.166	212.82
LOCATION	L0001584	VOLUME	508524.175	3604099.411	213.70
LOCATION	L0001585	VOLUME	508517.120	3604104.041	214.36
LOCATION	L0001586	VOLUME	508510.065	3604108.671	214.91
LOCATION	L0001587	VOLUME	508503.010	3604113.301	215.24
LOCATION	L0001588	VOLUME	508495.955	3604117.930	215.58
LOCATION	L0001589	VOLUME	508488.901	3604122.560	215.94
** End of LINE VOLUME Source ID = ROAD					
** Source Parameters **					
SRCPARAM	HMA1	1.0	8.500	402.000	17.65000
SRCPARAM	OFFRD	6.0436E-06	4.572	20	1.220
AREAVERT	OFFRD	508609.055	3603549.941	508714.652	3603530.444
AREAVERT	OFFRD	508769.545	3603429.805	508759.624	3603343.452
AREAVERT	OFFRD	508789.734	3603263.313	508844.446	3603198.823
AREAVERT	OFFRD	508880.594	3603067.870	508884.299	3603029.252
AREAVERT	OFFRD	508870.110	3602999.347	508829.018	3602983.192
AREAVERT	OFFRD	508612.971	3602987.004	508486.605	3603030.128
AREAVERT	OFFRD	508475.453	3603056.163	508484.822	3603133.883
AREAVERT	OFFRD	508496.386	3603250.340	508513.962	3603280.869
AREAVERT	OFFRD	508513.669	3603327.175	508518.704	3603426.400
AREAVERT	OFFRD	508520.919	3603491.787	508551.491	3603530.142
SRCPARAM	CBP1	1.0	4.572	0.000	1.00000
SRCPARAM	CBP2	1.0	4.572	0.000	1.00000
SRCPARAM	CBP3	1.0	4.572	0.000	1.00000
SRCPARAM	CBP4	1.0	4.572	0.000	1.00000
SRCPARAM	AS1	1.0	4.572	0.000	1.00000
SRCPARAM	TC5	1.0	4.572	0.233	0.233
SRCPARAM	RAP1	1.0	4.572	0.235	1.000
SRCPARAM	HS11	1.0	4.572	0.363	1.000
SRCPARAM	TC6	1.0	4.572	0.214	1.000
SRCPARAM	AS2	1.0	4.572	0.267	1.000
SRCPARAM	TC7	1.0	4.572	0.233	0.233
SRCPARAM	HMA2	1.0	4.572	1.660	1.000
SRCPARAM	HMA3	1.0	4.572	2.037	1.000
SRCPARAM	CTB2	1.0	4.572	0.000	1.00000
SRCPARAM	CTB1	1.0	4.572	0.000	1.00000
SRCPARAM	SP1	0.0006085087	9.144	40.538	40.538
SRCPARAM	SP2	0.0009763184	7.315	32.004	32.004
SRCPARAM	SP6	0.0013727547	4.572	26.990	26.990
SRCPARAM	SP7	0.0013727547	4.572	26.990	26.990
SRCPARAM	SP8	0.0013727547	4.572	26.990	26.990
SRCPARAM	SP9	0.0013727547	3.048	26.990	26.990
SRCPARAM	SP10	0.0013727547	3.048	26.990	26.990
SRCPARAM	SP11	0.0038610216	3.048	16.093	16.093
SRCPARAM	SP15	0.0013727547	1.219	26.990	26.990
SRCPARAM	SP16	0.0013727547	1.219	26.990	26.990
SRCPARAM	SP17	0.0013727547	1.219	26.990	26.990
SRCPARAM	SP18	0.0013727547	1.219	26.990	26.990
SRCPARAM	HMA4	1.0	8.000	402.000	17.65000
SRCPARAM	PLO	1.0	4.572	0.233	0.233
SRCPARAM	DST1	0.0147044119	1.000	5.480	12.410
SRCPARAM	RMP	0.00188381	8.500	23.090	22.990
SRCPARAM	CR1	1.0	4.572	0.363	1.000
SRCPARAM	CR2	1.0	4.572	0.363	1.000
SRCPARAM	SC1	1.0	4.572	0.267	1.000
SRCPARAM	CR3	1.0	4.572	0.363	1.000
SRCPARAM	CR4	1.0	4.572	0.363	1.000
SRCPARAM	CR5	1.0	4.572	0.363	1.000

SRCPARAM	TP2	1.0	4.572	0.233	0.233
SRCPARAM	TP3	1.0	4.572	0.233	0.233
SRCPARAM	TP4	1.0	4.572	0.233	0.233
SRCPARAM	TP5	1.0	4.572	0.233	0.233
SRCPARAM	TP6	1.0	4.572	0.233	0.233
SRCPARAM	TP7	1.0	4.572	0.233	0.233
SRCPARAM	SC2	1.0	4.572	0.267	1.000
SRCPARAM	SC3	1.0	4.572	0.267	1.000
SRCPARAM	SC4	1.0	4.572	0.267	1.000
SRCPARAM	SC5	1.0	4.572	0.267	1.000
SRCPARAM	SC6	1.0	4.572	0.267	1.000
SRCPARAM	SC7	1.0	4.572	0.267	1.000
SRCPARAM	TP8	1.0	4.572	0.233	0.233
SRCPARAM	TP9	1.0	4.572	0.233	0.233
SRCPARAM	TP10	1.0	4.572	0.233	0.233
SRCPARAM	TP11	1.0	4.572	0.233	0.233
SRCPARAM	TP12	1.0	4.572	0.233	0.233
SRCPARAM	TP13	1.0	4.572	0.233	0.233
SRCPARAM	TP14	1.0	4.572	0.233	0.233
SRCPARAM	TP15	1.0	4.572	0.233	0.233
SRCPARAM	TP16	1.0	4.572	0.233	0.233
SRCPARAM	TP17	1.0	4.572	0.233	0.233
SRCPARAM	TP18	1.0	4.572	0.233	0.233
SRCPARAM	TP19	1.0	4.572	0.233	0.233
SRCPARAM	TP20	1.0	4.572	0.233	0.233
SRCPARAM	TP21	1.0	4.572	0.233	0.233
SRCPARAM	TP22	1.0	4.572	0.233	0.233
SRCPARAM	TP23	1.0	4.572	0.233	0.233
** LINE VOLUME Source ID = HAUL					
SRCPARAM	L0001590	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001591	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001592	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001593	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001594	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001595	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001596	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001597	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001598	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001599	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001600	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001601	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001602	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001603	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001604	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001605	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001606	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001607	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001608	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001609	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001610	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001611	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001612	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001613	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001614	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001615	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001616	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001617	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001618	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001619	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001620	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001621	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001622	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001623	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001624	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001625	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001626	0.0034722222	2.59	3.92	2.41
SRCPARAM	L0001627	0.0034722222	2.59	3.92	2.41

Otay Hills Quarry AERMOD Output File (HRA)

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Otay Hills Quarry AERMOD Output File (HRA)

[illegible][illegible]

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** LINE VOLUME Surce ID = ROAD
SRCPARAM L0001431 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001432 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001433 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001434 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001435 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001436 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001437 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001438 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001439 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001440 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001441 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001442 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001443 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001444 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001445 0.0062893082 2.59 3.92 2.41
SRCPARAM L0001446 0.0062893082 2.59 3.92 2.41

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Otay Hills Quarry AERMOD Output File (HRA)

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Otay Hills Quarry AERMOD Output File (HRA)

SRCPARAM	L0001581	0.0062893082	2.59	3.92	2.41	SRCGROUP	HAUL	L0001848	L0001849	L0001850	L0001851	L0001852	L0001853
SRCPARAM	L0001582	0.0062893082	2.59	3.92	2.41	SRCGROUP	HAUL	L0001854	L0001855	L0001856	L0001857	L0001858	L0001859
SRCPARAM	L0001583	0.0062893082	2.59	3.92	2.41	SRCGROUP	HAUL	L0001860	L0001861	L0001862	L0001863	L0001864	L0001865
SRCPARAM	L0001584	0.0062893082	2.59	3.92	2.41	SRCGROUP	HAUL	L0001866	L0001867	L0001868	L0001869	L0001870	L0001871
SRCPARAM	L0001585	0.0062893082	2.59	3.92	2.41	SRCGROUP	HAUL	L0001872	L0001873	L0001874	L0001875	L0001876	L0001877
SRCPARAM	L0001586	0.0062893082	2.59	3.92	2.41	SRCGROUP	HMA1	HMA1					
SRCPARAM	L0001587	0.0062893082	2.59	3.92	2.41	SRCGROUP	HMA2	HMA2					
SRCPARAM	L0001588	0.0062893082	2.59	3.92	2.41	SRCGROUP	HMA3	HMA3					
SRCPARAM	L0001589	0.0062893082	2.59	3.92	2.41	SRCGROUP	HMA4	HMA4					
**-----													
SRCGROUP	AS1	AS1				SRCGROUP	OFFRD	OFFRD					
SRCGROUP	AS2	AS2				SRCGROUP	PLO	PLO					
SRCGROUP	CBP1	CBP1				SRCGROUP	RAP1	RAP1					
SRCGROUP	CBP2	CBP2				SRCGROUP	RMP	RMP					
SRCGROUP	CBP3	CBP3				SRCGROUP	ROAD	L0001431	L0001432	L0001433	L0001434	L0001435	L0001436
SRCGROUP	CBP4	CBP4				SRCGROUP	ROAD	L0001437	L0001438	L0001439	L0001440	L0001441	L0001442
SRCGROUP	CR1	CR1				SRCGROUP	ROAD	L0001443	L0001444	L0001445	L0001446	L0001447	L0001448
SRCGROUP	CR2	CR2				SRCGROUP	ROAD	L0001449	L0001450	L0001451	L0001452	L0001453	L0001454
SRCGROUP	CR3	CR3				SRCGROUP	ROAD	L0001455	L0001456	L0001457	L0001458	L0001459	L0001460
SRCGROUP	CR4	CR4				SRCGROUP	ROAD	L0001461	L0001462	L0001463	L0001464	L0001465	L0001466
SRCGROUP	CR5	CR5				SRCGROUP	ROAD	L0001467	L0001468	L0001469	L0001470	L0001471	L0001472
SRCGROUP	CTB1	CTB1				SRCGROUP	ROAD	L0001473	L0001474	L0001475	L0001476	L0001477	L0001478
SRCGROUP	CTB2	CTB2				SRCGROUP	ROAD	L0001479	L0001480	L0001481	L0001482	L0001483	L0001484
SRCGROUP	DST1	DST1				SRCGROUP	ROAD	L0001485	L0001486	L0001487	L0001488	L0001489	L0001490
SRCGROUP	HAUL	L0001590	L0001591	L0001592	L0001593	L0001594	L0001595	SRCGROUP	ROAD	L0001491	L0001492	L0001493	L0001494
SRCGROUP	HAUL	L0001596	L0001597	L0001598	L0001599	L0001600	L0001601	SRCGROUP	ROAD	L0001497	L0001498	L0001499	L0001500
SRCGROUP	HAUL	L0001602	L0001603	L0001604	L0001605	L0001606	L0001607	SRCGROUP	ROAD	L0001503	L0001504	L0001505	L0001506
SRCGROUP	HAUL	L0001608	L0001609	L0001610	L0001611	L0001612	L0001613	SRCGROUP	ROAD	L0001509	L0001510	L0001511	L0001512
SRCGROUP	HAUL	L0001614	L0001615	L0001616	L0001617	L0001618	L0001619	SRCGROUP	ROAD	L0001515	L0001516	L0001517	L0001518
SRCGROUP	HAUL	L0001620	L0001621	L0001622	L0001623	L0001624	L0001625	SRCGROUP	ROAD	L0001521	L0001522	L0001523	L0001524
SRCGROUP	HAUL	L0001626	L0001627	L0001628	L0001629	L0001630	L0001631	SRCGROUP	ROAD	L0001527	L0001528	L0001529	L0001530
SRCGROUP	HAUL	L0001632	L0001633	L0001634	L0001635	L0001636	L0001637	SRCGROUP	ROAD	L0001533	L0001534	L0001535	L0001536
SRCGROUP	HAUL	L0001639	L0001640	L0001641	L0001642	L0001643	L0001644	SRCGROUP	ROAD	L0001539	L0001540	L0001541	L0001542
SRCGROUP	HAUL	L0001644	L0001645	L0001646	L0001647	L0001648	L0001649	SRCGROUP	ROAD	L0001545	L0001546	L0001547	L0001548
SRCGROUP	HAUL	L0001650	L0001651	L0001652	L0001653	L0001654	L0001655	SRCGROUP	ROAD	L0001551	L0001552	L0001553	L0001554
SRCGROUP	HAUL	L0001656	L0001657	L0001658	L0001659	L0001660	L0001661	SRCGROUP	ROAD	L0001557	L0001558	L0001559	L0001560
SRCGROUP	HAUL	L0001662	L0001663	L0001664	L0001665	L0001666	L0001667	SRCGROUP	ROAD	L0001563	L0001564	L0001565	L0001566
SRCGROUP	HAUL	L0001668	L0001669	L0001670	L0001671	L0001672	L0001673	SRCGROUP	ROAD	L0001569	L0001570	L0001571	L0001572
SRCGROUP	HAUL	L0001674	L0001675	L0001676	L0001677	L0001678	L0001679	SRCGROUP	ROAD	L0001575	L0001576	L0001577	L0001578
SRCGROUP	HAUL	L0001680	L0001681	L0001682	L0001683	L0001684	L0001685	SRCGROUP	ROAD	L0001581	L0001582	L0001583	L0001584
SRCGROUP	HAUL	L0001686	L0001687	L0001688	L0001689	L0001690	L0001691	SRCGROUP	ROAD	L0001587	L0001588	L0001589	
SRCGROUP	HAUL	L0001692	L0001693	L0001694	L0001695	L0001696	L0001697	SRCGROUP	SC1	SC1			
SRCGROUP	HAUL	L0001698	L0001699	L0001700	L0001701	L0001702	L0001703	SRCGROUP	SC2	SC2			
SRCGROUP	HAUL	L0001704	L0001705	L0001706	L0001707	L0001708	L0001709	SRCGROUP	SC3	SC3			
SRCGROUP	HAUL	L0001710	L0001711	L0001712	L0001713	L0001714	L0001715	SRCGROUP	SC4	SC4			
SRCGROUP	HAUL	L0001716	L0001717	L0001718	L0001719	L0001720	L0001721	SRCGROUP	SC5	SC5			
SRCGROUP	HAUL	L0001722	L0001723	L0001724	L0001725	L0001726	L0001727	SRCGROUP	SC6	SC6			
SRCGROUP	HAUL	L0001728	L0001729	L0001730	L0001731	L0001732	L0001733	SRCGROUP	SC7	SC7			
SRCGROUP	HAUL	L0001734	L0001735	L0001736	L0001737	L0001738	L0001739	SRCGROUP	SP1	SP1			
SRCGROUP	HAUL	L0001740	L0001741	L0001742	L0001743	L0001744	L0001745	SRCGROUP	SP10	SP10			
SRCGROUP	HAUL	L0001746	L0001747	L0001748	L0001749	L0001750	L0001751	SRCGROUP	SP11	SP11			
SRCGROUP	HAUL	L0001752	L0001753	L0001754	L0001755	L0001756	L0001757	SRCGROUP	SP15	SP15			
SRCGROUP	HAUL	L0001758	L0001759	L0001760	L0001761	L0001762	L0001763	SRCGROUP	SP16	SP16			
SRCGROUP	HAUL	L0001764	L0001765	L0001766	L0001767	L0001768	L0001769	SRCGROUP	SP17	SP17			
SRCGROUP	HAUL	L0001770	L0001771	L0001772	L0001773	L0001774	L0001775	SRCGROUP	SP18	SP18			
SRCGROUP	HAUL	L0001776	L0001777	L0001778	L0001779	L0001780	L0001781	SRCGROUP	SP2	SP2			
SRCGROUP	HAUL	L0001782	L0001783	L0001784	L0001785	L0001786	L0001787	SRCGROUP	SP6	SP6			
SRCGROUP	HAUL	L0001788	L0001789	L0001790	L0001791	L0001792	L0001793	SRCGROUP	SP7	SP7			
SRCGROUP	HAUL	L0001794	L0001795	L0001796	L0001797	L0001798	L0001799	SRCGROUP	SP8	SP8			
SRCGROUP	HAUL	L0001800	L0001801	L0001802	L0001803	L0001804	L0001805	SRCGROUP	SP9	SP9			
SRCGROUP	HAUL	L0001806	L0001807	L0001808	L0001809	L0001810	L0001811	SRCGROUP	TC5	TC5			
SRCGROUP	HAUL	L0001812	L0001813	L0001814	L0001815	L0001816	L0001817	SRCGROUP	TC6	TC6			
SRCGROUP	HAUL	L0001818	L0001819	L0001820	L0001821	L0001822	L0001823	SRCGROUP	TC7	TC7			
SRCGROUP	HAUL	L0001824	L0001825	L0001826	L0001827	L0001828	L0001829	SRCGROUP	TP10	TP10			
SRCGROUP	HAUL	L0001830	L0001831	L0001832	L0001833	L0001834	L0001835	SRCGROUP	TP11	TP11			
SRCGROUP	HAUL	L0001836	L0001837	L0001838	L0001839	L0001840	L0001841	SRCGROUP	TP12	TP12			
SRCGROUP	HAUL	L0001842	L0001843	L0001844	L0001845	L0001846	L0001847	SRCGROUP	TP13	TP13			

Otay Hills Quarry AERMOD Output File (HRA)

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SRCGROUP TP14      TP14
SRCGROUP TP15      TP15
SRCGROUP TP16      TP16
SRCGROUP TP17      TP17
SRCGROUP TP18      TP18
SRCGROUP TP19      TP19
SRCGROUP TP2       TP2
SRCGROUP TP20      TP20
SRCGROUP TP21      TP21
SRCGROUP TP22      TP22
SRCGROUP TP23      TP23
SRCGROUP TP3       TP3
SRCGROUP TP4       TP4
SRCGROUP TP5       TP5
SRCGROUP TP6       TP6
SRCGROUP TP7       TP7
SRCGROUP TP8       TP8
SRCGROUP TP9       TP9
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "Otay Hills.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE ..\..\MetData\DVN_2015_2017_v18081.SFC
  PROFFILE ..\..\MetData\DVN_2015_2017_v18081.PFL
  SURFDATA 3178 2015
  UAIRDATA 3190 2015
  SITEDATA 1014 2015
  PROFBASE 160.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "OTAY HILLS.AD\01H1GALL.PLT" 31
PLOTFILE 1 AS1 1ST "OTAY HILLS.AD\01H1G001.PLT" 32
PLOTFILE 1 AS2 1ST "OTAY HILLS.AD\01H1G002.PLT" 33
PLOTFILE 1 CBP1 1ST "OTAY HILLS.AD\01H1G003.PLT" 34
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PLOTFILE 1 HAUL 1ST "OTAY HILLS.AD\01H1G015.PLT" 46
PLOTFILE 1 HMA1 1ST "OTAY HILLS.AD\01H1G016.PLT" 47
PLOTFILE 1 HMA2 1ST "OTAY HILLS.AD\01H1G017.PLT" 48
PLOTFILE 1 HMA3 1ST "OTAY HILLS.AD\01H1G018.PLT" 49
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PLOTFILE 1 ROAD 1ST "OTAY HILLS.AD\01H1G025.PLT" 56
PLOTFILE 1 SC1 1ST "OTAY HILLS.AD\01H1G026.PLT" 57
PLOTFILE 1 SC2 1ST "OTAY HILLS.AD\01H1G027.PLT" 58
PLOTFILE 1 SC3 1ST "OTAY HILLS.AD\01H1G028.PLT" 59
PLOTFILE 1 SC4 1ST "OTAY HILLS.AD\01H1G029.PLT" 60
PLOTFILE 1 SC5 1ST "OTAY HILLS.AD\01H1G030.PLT" 61
PLOTFILE 1 SC6 1ST "OTAY HILLS.AD\01H1G031.PLT" 62
PLOTFILE 1 SC7 1ST "OTAY HILLS.AD\01H1G032.PLT" 63
PLOTFILE 1 SP1 1ST "OTAY HILLS.AD\01H1G033.PLT" 64
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PLOTFILE 1 SP11 1ST "OTAY HILLS.AD\01H1G035.PLT" 66
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PLOTFILE 1 TP7 1ST "OTAY HILLS.AD\01H1G067.PLT" 98
PLOTFILE 1 TP8 1ST "OTAY HILLS.AD\01H1G068.PLT" 99
PLOTFILE 1 TP9 1ST "OTAY HILLS.AD\01H1G069.PLT" 100
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Otay Hills Quarry AERMOD Output File (HRA)

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PLOTFILE ANNUAL HMA3 "OTAY HILLS.AD\AN00G018.PLT" 119
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PLOTFILE ANNUAL PLO "OTAY HILLS.AD\AN00G022.PLT" 123
PLOTFILE ANNUAL RAP1 "OTAY HILLS.AD\AN00G023.PLT" 124
PLOTFILE ANNUAL RMP "OTAY HILLS.AD\AN00G024.PLT" 125
PLOTFILE ANNUAL ROAD "OTAY HILLS.AD\AN00G025.PLT" 126
PLOTFILE ANNUAL SC1 "OTAY HILLS.AD\AN00G026.PLT" 127
PLOTFILE ANNUAL SC2 "OTAY HILLS.AD\AN00G027.PLT" 128
PLOTFILE ANNUAL SC3 "OTAY HILLS.AD\AN00G028.PLT" 129
PLOTFILE ANNUAL SC4 "OTAY HILLS.AD\AN00G029.PLT" 130
PLOTFILE ANNUAL SC5 "OTAY HILLS.AD\AN00G030.PLT" 131
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PLOTFILE ANNUAL TP4 "OTAY HILLS.AD\AN00G064.PLT" 165
PLOTFILE ANNUAL TP5 "OTAY HILLS.AD\AN00G065.PLT" 166
PLOTFILE ANNUAL TP6 "OTAY HILLS.AD\AN00G066.PLT" 167
PLOTFILE ANNUAL TP7 "OTAY HILLS.AD\AN00G067.PLT" 168
PLOTFILE ANNUAL TP8 "OTAY HILLS.AD\AN00G068.PLT" 169
PLOTFILE ANNUAL TP9 "OTAY HILLS.AD\AN00G069.PLT" 170
SUMMFILE "Otay Hills.sum"
OU FINISHED

A Total of 0 Fatal Error Message(s)
A Total of 71 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W187 1382 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
OU W565 1463 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1464 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1465 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1466 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1467 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1468 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1469 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1470 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1471 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1472 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1473 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1474 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1475 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1476 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1477 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1478 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1479 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1480 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1481 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1482 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1483 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1484 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1485 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1486 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1487 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1488 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1489 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1490 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE

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

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

Otay Hills Quarry AERMOD Output File (HRA)

OU W565 1491 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1492 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1493 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1494 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1495 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1496 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1497 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1498 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1499 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1500 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1501 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1502 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1503 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1504 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1505 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1506 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1507 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
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OU W565 1530 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
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OU W565 1531 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
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OU W565 1532 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE

*** SETUP Finishes Successfully ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

**Model Is Setup For Calculation of Average CONcEntration Values.

-- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:
1. Stack-tip Downwash.
2. Model Accounts for ELEvated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
**Other Options Specified:
ADJ_U* - Use ADJ_U* option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: TAC

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

Otay Hills Quarry AERMOD Output File (HRA)

**This Run Includes: 514 Source(s); 70 Source Group(s); and 614 Receptor(s)
 with: 9 POINT(s), including 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 490 VOLUME source(s)
 and: 15 AREA type source(s)
 and: 0 LINE source(s)
 and: 0 OPENPIT source(s)
 and: 0 BUOYANT LINE source(s) with 0 line(s)

**Model Set To Continue RUNNING After the Setup Testing.
 **The AERMET Input Meteorological Data Version Date: 18081

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 160.00 ; Decay
 Coef. = 0.000 ; Rot. Angle = 0.0
 Emission Units = GRAMS/SEC ;
 Emission Rate Unit Factor = 0.10000E+07
 Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 6.1 MB of RAM.

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

**Detailed Error/Message File: Otay Hills.err
 **File for Summary of Results: Otay Hills.sum

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** POINT SOURCE DATA ***

STACK	STACK	BLDG	URBAN	CAP/	EMIS RATE	BASE	STACK	STACK
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	TEMP.	
EXIT VEL.	DIAMETER	EXISTS	SOURCE	HOR	SCALAR			
ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(DEG.K)	
(M/SEC)	(METERS)	VARY	BY					
HMA1	0	0.10000E+01	508484.8	3603902.3	210.0	8.50	402.00	
17.65	1.22	NO	NO	NO				

CBP1	0	0.10000E+01	508464.2	3603954.7	204.5	4.57	-0.00
1.00	1.00	NO	NO	NO			
CBP2	0	0.10000E+01	508513.2	3603978.7	206.2	4.57	-0.00
1.00	1.00	NO	NO	NO			
CBP3	0	0.10000E+01	508488.5	3603966.6	204.8	4.57	-0.00
1.00	1.00	NO	NO	NO			
CBP4	0	0.10000E+01	508457.5	3604029.8	206.9	4.57	-0.00
1.00	1.00	NO	NO	NO			
AS1	0	0.10000E+01	508521.0	3603814.9	207.4	4.57	-0.00
1.00	1.00	NO	NO	NO			
CTB2	0	0.10000E+01	508541.8	3603808.6	211.3	4.57	-0.00
1.00	1.00	NO	NO	NO			
CTB1	0	0.10000E+01	508532.5	3603801.7	210.4	4.57	-0.00
1.00	1.00	NO	NO	NO			
HMA4	0	0.10000E+01	508463.8	3603910.1	209.1	8.00	402.00
17.65	1.22	NO	NO	NO			

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE	PART.	(GRAMS/SEC)	X	Y
SZ	SOURCE	SCALAR VARY		(METERS)	(METERS)
ID	CATS.	BY		(METERS)	(METERS)
(METERS)					
TC5	0	0.10000E+01	508520.5	3603817.6	207.2
0.23	NO				
RAP1	0	0.10000E+01	508518.3	3603822.1	206.6
1.00	NO				
HSI1	0	0.10000E+01	508571.6	3603836.7	212.7
1.00	NO				
TC6	0	0.10000E+01	508568.4	3603843.8	212.0
1.00	NO				
AS2	0	0.10000E+01	508559.5	3603841.4	211.2
1.00	NO				
TC7	0	0.10000E+01	508563.0	3603844.6	211.4
0.23	NO				
HMA2	0	0.10000E+01	508479.4	3603914.3	209.3
1.00	NO				
HMA3	0	0.10000E+01	508456.9	3603894.7	209.7
1.00	NO				
PLO	0	0.10000E+01	508506.6	3603792.2	206.1
0.23	NO				
CR1	0	0.10000E+01	508578.1	3603707.3	228.1
1.00	NO				
CR2	0	0.10000E+01	508578.1	3603715.8	227.5
1.00	NO				
SC1	0	0.10000E+01	508577.8	3603712.0	227.7
1.00	NO				
CR3	0	0.10000E+01	508553.6	3603769.2	217.8
1.00	NO				
CR4	0	0.10000E+01	508553.8	3603872.9	210.8
1.00	NO				
CR5	0	0.10000E+01	508553.8	3603846.0	210.5
1.00	NO				

Otay Hills Quarry AERMOD Output File (HRA)

TP2								
0.23	NO	0	0.10000E+01	508578.5	3603718.3	227.4	4.57	0.23
TP3		0	0.10000E+01	508555.1	3603765.7	218.6	4.57	0.23
0.23	NO	0	0.10000E+01	508547.1	3603782.9	215.1	4.57	0.23
TP4		0	0.10000E+01	508545.1	3603786.8	214.3	4.57	0.23
0.23	NO	0	0.10000E+01	508572.9	3603800.9	216.5	4.57	0.23
TP5		0	0.10000E+01	508594.8	3603755.3	225.3	4.57	0.23
0.23	NO	0	0.10000E+01	508573.2	3603834.1	213.1	4.57	0.27
TP6		0	0.10000E+01	508555.2	3603870.2	210.8	4.57	0.27
0.23	NO	0	0.10000E+01	508551.4	3603851.5	210.1	4.57	0.27
TP7		0	0.10000E+01	508556.4	3603892.8	211.1	4.57	0.27
0.23	NO	0	0.10000E+01	508560.8	3603895.0	211.2	4.57	0.27
SC2		0	0.10000E+01	508600.6	3603807.7	218.5	4.57	0.27
1.00	NO	0	0.10000E+01	508588.5	3603802.4	218.2	4.57	0.23
SC3		0	0.10000E+01	508575.2	3603830.7	213.6	4.57	0.23
1.00	NO	0	0.10000E+01	508569.4	3603842.0	212.2	4.57	0.23
1.00	NO	0	0.10000E+01	508561.4	3603857.0	210.9	4.57	0.23
SC4		0	0.10000E+01	508555.8	3603868.7	210.8	4.57	0.23
1.00	NO	0	0.10000E+01	508551.4	3603878.1	210.8	4.57	0.23
1.00	NO	0	0.10000E+01	508548.1	3603887.8	210.8	4.57	0.23
SC5		0	0.10000E+01	508556.4	3603892.2	211.1	4.57	0.23
1.00	NO	0	0.10000E+01	508560.3	3603893.9	211.2	4.57	0.23
1.00	NO	0	0.10000E+01	508578.0	3603849.0	212.5	4.57	0.23
SC6		0	0.10000E+01	508574.9	3603847.9	212.3	4.57	0.23
1.00	NO	0	0.10000E+01	508597.1	3603807.4	218.3	4.57	0.23
1.00	NO	0	0.10000E+01	508589.4	3603803.8	218.2	4.57	0.23
TP8		0	0.10000E+01	508578.5	3603718.3	227.4	4.57	0.23
0.23	NO	0	0.10000E+01	508555.1	3603765.7	218.6	4.57	0.23
TP9		0	0.10000E+01	508547.1	3603782.9	215.1	4.57	0.23
0.23	NO	0	0.10000E+01	508545.1	3603786.8	214.3	4.57	0.23
TP10		0	0.10000E+01	508572.9	3603800.9	216.5	4.57	0.23
0.23	NO	0	0.10000E+01	508594.8	3603755.3	225.3	4.57	0.23
TP11		0	0.10000E+01	508573.2	3603834.1	213.1	4.57	0.27
0.23	NO	0	0.10000E+01	508555.2	3603870.2	210.8	4.57	0.27
TP12		0	0.10000E+01	508551.4	3603851.5	210.1	4.57	0.27
0.23	NO	0	0.10000E+01	508556.4	3603892.8	211.1	4.57	0.27
TP13		0	0.10000E+01	508560.8	3603895.0	211.2	4.57	0.27
0.23	NO	0	0.10000E+01	508600.6	3603807.7	218.5	4.57	0.27
TP14		0	0.10000E+01	508588.5	3603802.4	218.2	4.57	0.23
0.23	NO	0	0.10000E+01	508575.2	3603830.7	213.6	4.57	0.23
TP15		0	0.10000E+01	508569.4	3603842.0	212.2	4.57	0.23
0.23	NO	0	0.10000E+01	508561.4	3603857.0	210.9	4.57	0.23
TP16		0	0.10000E+01	508555.8	3603868.7	210.8	4.57	0.23
0.23	NO	0	0.10000E+01	508551.4	3603878.1	210.8	4.57	0.23
TP17		0	0.10000E+01	508548.1	3603887.8	210.8	4.57	0.23
0.23	NO	0	0.10000E+01	508556.4	3603892.2	211.1	4.57	0.23
TP18		0	0.10000E+01	508560.3	3603893.9	211.2	4.57	0.23
0.23	NO	0	0.10000E+01	508578.0	3603849.0	212.5	4.57	0.23
TP19		0	0.10000E+01	508574.9	3603847.9	212.3	4.57	0.23
0.23	NO	0	0.10000E+01	508597.1	3603807.4	218.3	4.57	0.23
TP20		0	0.10000E+01	508589.4	3603803.8	218.2	4.57	0.23
0.23	NO	0	0.10000E+01	508578.5	3603718.3	227.4	4.57	0.23

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ID	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
TP21	0	0.10000E+01	508565.0	3603809.9	214.4	4.57	0.23
0.23	NO	0	0.10000E+01	508514.7	3603906.9	209.4	0.23
TP22	0	0.10000E+01	508519.6	3603911.1	209.4	4.57	0.23
0.23	NO	0	0.34722E-02	508397.7	3604152.8	216.0	2.59
TP23	0	0.34722E-02	508389.3	3604152.7	215.5	2.59	3.92
0.23	NO	0	0.34722E-02	508380.8	3604152.7	215.0	2.59
L0001590	0	0.34722E-02	508372.4	3604152.6	214.8	2.59	3.92
2.41	NO	0	0.34722E-02	508364.0	3604152.6	214.5	2.59
L0001591	0	0.34722E-02	508355.5	3604152.6	214.3	2.59	3.92
2.41	NO	0	0.34722E-02	508347.1	3604152.5	214.1	2.59
L0001592	0	0.34722E-02	508338.6	3604152.5	214.0	2.59	3.92
2.41	NO	0	0.34722E-02	508330.2	3604152.5	213.8	2.59
L0001593	0	0.34722E-02	508321.8	3604152.4	213.6	2.59	3.92
2.41	NO	0	0.34722E-02	508313.3	3604152.4	213.4	2.59
L0001594	0	0.34722E-02	508304.9	3604152.3	213.2	2.59	3.92
2.41	NO	0	0.34722E-02	508296.5	3604152.3	213.0	2.59
L0001595	0	0.34722E-02	508288.0	3604152.3	212.8	2.59	3.92
2.41	NO	0	0.34722E-02	508279.6	3604152.2	212.5	2.59
L0001596	0	0.34722E-02	508271.1	3604152.2	212.3	2.59	3.92
2.41	NO	0	0.34722E-02	508262.7	3604152.2	212.1	2.59
L0001597	0	0.34722E-02	508254.3	3604152.1	211.9	2.59	3.92
2.41	NO	0	0.34722E-02	508245.8	3604152.1	211.5	2.59
L0001598	0	0.34722E-02	508237.4	3604152.0	211.1	2.59	3.92
2.41	NO	0	0.34722E-02	508229.0	3604152.0	210.7	2.59
L0001599	0	0.34722E-02	508220.5	3604152.0	210.2	2.59	3.92
2.41	NO	0	0.34722E-02	508212.1	3604151.9	209.8	2.59
L0001600	0	0.34722E-02	508203.6	3604151.9	209.4	2.59	3.92
2.41	NO	0	0.34722E-02	508195.2	3604151.9	208.9	2.59
L0001601	0	0.34722E-02	508186.8	3604151.8	208.4	2.59	3.92
2.41	NO	0	0.34722E-02	508178.3	3604151.8	207.9	2.59
L0001602	0	0.34722E-02	508169.9	3604151.7	207.5	2.59	3.92
2.41	NO	0	0.34722E-02	508169.9	3604151.7	207.5	2.59

Otay Hills Quarry AERMOD Output File (HRA)

L0001618	0	0.34722E-02	508161.4	3604151.7	207.2	2.59	3.92
2.41 NO							
L0001619	0	0.34722E-02	508153.0	3604151.7	206.9	2.59	3.92
2.41 NO							
L0001620	0	0.34722E-02	508144.6	3604151.6	206.6	2.59	3.92
2.41 NO							
L0001621	0	0.34722E-02	508136.1	3604151.6	206.3	2.59	3.92
2.41 NO							
L0001622	0	0.34722E-02	508127.7	3604151.6	206.0	2.59	3.92
2.41 NO							
L0001623	0	0.34722E-02	508119.3	3604151.5	205.7	2.59	3.92
2.41 NO							
L0001624	0	0.34722E-02	508110.8	3604151.5	205.4	2.59	3.92
2.41 NO							
L0001625	0	0.34722E-02	508102.4	3604151.4	205.2	2.59	3.92
2.41 NO							
L0001626	0	0.34722E-02	508093.9	3604151.4	204.9	2.59	3.92
2.41 NO							
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*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSI	EMISSI			
SOURCE	PART.	(GRAMS/SEC)	X	Y	
ID	SCALAR	VARY			
(METERS)	CATS.	BY	(METERS)	(METERS)	(METERS)

L0001627	0	0.34722E-02	508085.5	3604151.4	204.8
2.41 NO					
L0001628	0	0.34722E-02	508077.1	3604151.3	204.7
2.41 NO					
L0001629	0	0.34722E-02	508068.6	3604151.3	204.6
2.41 NO					
L0001630	0	0.34722E-02	508060.2	3604151.3	204.4
2.41 NO					
L0001631	0	0.34722E-02	508051.7	3604151.2	204.3
2.41 NO					
L0001632	0	0.34722E-02	508043.3	3604151.2	204.2
2.41 NO					
L0001633	0	0.34722E-02	508034.9	3604151.1	204.1
2.41 NO					
L0001634	0	0.34722E-02	508026.4	3604151.1	204.1
2.41 NO					
L0001635	0	0.34722E-02	508018.0	3604151.1	204.0
2.41 NO					
L0001636	0	0.34722E-02	508009.6	3604151.0	203.9
2.41 NO					
L0001637	0	0.34722E-02	508001.1	3604151.0	203.7
2.41 NO					
L0001638	0	0.34722E-02	507992.7	3604151.0	203.5
2.41 NO					
L0001639	0	0.34722E-02	507984.2	3604150.9	203.4
2.41 NO					
L0001640	0	0.34722E-02	507975.8	3604150.9	203.3
2.41 NO					

L0001641	0	0.34722E-02	507967.4	3604150.8	203.2	2.59	3.92
2.41 NO							
L0001642	0	0.34722E-02	507958.9	3604150.8	203.0	2.59	3.92
2.41 NO							
L0001643	0	0.34722E-02	507950.5	3604150.8	202.9	2.59	3.92
2.41 NO							
L0001644	0	0.34722E-02	507942.0	3604150.7	202.7	2.59	3.92
2.41 NO							
L0001645	0	0.34722E-02	507933.6	3604150.7	202.6	2.59	3.92
2.41 NO							
L0001646	0	0.34722E-02	507925.2	3604150.7	202.4	2.59	3.92
2.41 NO							
L0001647	0	0.34722E-02	507916.7	3604150.6	202.2	2.59	3.92
2.41 NO							
L0001648	0	0.34722E-02	507908.3	3604150.6	201.9	2.59	3.92
2.41 NO							
L0001649	0	0.34722E-02	507899.9	3604150.5	201.6	2.59	3.92
2.41 NO							
L0001650	0	0.34722E-02	507891.4	3604150.5	201.3	2.59	3.92
2.41 NO							
L0001651	0	0.34722E-02	507883.0	3604150.5	201.0	2.59	3.92
2.41 NO							
L0001652	0	0.34722E-02	507874.5	3604150.4	200.6	2.59	3.92
2.41 NO							
L0001653	0	0.34722E-02	507866.1	3604150.4	200.2	2.59	3.92
2.41 NO							
L0001654	0	0.34722E-02	507857.7	3604150.4	199.8	2.59	3.92
2.41 NO							
L0001655	0	0.34722E-02	507849.2	3604150.3	199.5	2.59	3.92
2.41 NO							
L0001656	0	0.34722E-02	507840.8	3604150.3	199.2	2.59	3.92
2.41 NO							
L0001657	0	0.34722E-02	507832.3	3604150.2	199.0	2.59	3.92
2.41 NO							
L0001658	0	0.34722E-02	507823.9	3604150.2	198.7	2.59	3.92
2.41 NO							
L0001659	0	0.34722E-02	507815.5	3604150.2	198.5	2.59	3.92
2.41 NO							
L0001660	0	0.34722E-02	507807.0	3604150.1	198.2	2.59	3.92
2.41 NO							
L0001661	0	0.34722E-02	507798.6	3604150.1	197.5	2.59	3.92
2.41 NO							
L0001662	0	0.34722E-02	507790.2	3604150.1	196.9	2.59	3.92
2.41 NO							
L0001663	0	0.34722E-02	507781.7	3604150.0	196.3	2.59	3.92
2.41 NO							
L0001664	0	0.34722E-02	507773.3	3604150.0	195.8	2.59	3.92
2.41 NO							
L0001665	0	0.34722E-02	507764.8	3604149.9	195.4	2.59	3.92
2.41 NO							
L0001666	0	0.34722E-02	507756.4	3604149.9	194.9	2.59	3.92
2.41 NO							
*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19							
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
EMISSI	EMISSI				

Otay Hills Quarry AERMOD Output File (HRA)

SOURCE SZ	SOURCE ID (METERS)	PART. SCALAR CATS.	(GRAMS/SEC) VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)
L0001667	0	0.34722E-02	507748.0	3604149.9	194.6	2.59	3.92	
2.41 NO								
L0001668	0	0.34722E-02	507739.5	3604149.8	194.2	2.59	3.92	
2.41 NO								
L0001669	0	0.34722E-02	507731.1	3604149.8	193.9	2.59	3.92	
2.41 NO								
L0001670	0	0.34722E-02	507722.7	3604149.8	193.5	2.59	3.92	
2.41 NO								
L0001671	0	0.34722E-02	507714.2	3604149.7	193.2	2.59	3.92	
2.41 NO								
L0001672	0	0.34722E-02	507705.8	3604149.7	192.8	2.59	3.92	
2.41 NO								
L0001673	0	0.34722E-02	507697.3	3604149.6	192.5	2.59	3.92	
2.41 NO								
L0001674	0	0.34722E-02	507688.9	3604149.6	192.2	2.59	3.92	
2.41 NO								
L0001675	0	0.34722E-02	507680.5	3604149.6	191.9	2.59	3.92	
2.41 NO								
L0001676	0	0.34722E-02	507672.0	3604149.5	191.7	2.59	3.92	
2.41 NO								
L0001677	0	0.34722E-02	507663.6	3604149.5	191.6	2.59	3.92	
2.41 NO								
L0001678	0	0.34722E-02	507655.1	3604149.4	191.4	2.59	3.92	
2.41 NO								
L0001679	0	0.34722E-02	507646.7	3604149.4	191.3	2.59	3.92	
2.41 NO								
L0001680	0	0.34722E-02	507638.3	3604149.4	191.2	2.59	3.92	
2.41 NO								
L0001681	0	0.34722E-02	507629.8	3604149.3	191.1	2.59	3.92	
2.41 NO								
L0001682	0	0.34722E-02	507621.4	3604149.3	191.1	2.59	3.92	
2.41 NO								
L0001683	0	0.34722E-02	507613.0	3604149.3	191.0	2.59	3.92	
2.41 NO								
L0001684	0	0.34722E-02	507604.5	3604149.2	191.0	2.59	3.92	
2.41 NO								
L0001685	0	0.34722E-02	507596.7	3604148.6	190.9	2.59	3.92	
2.41 NO								
L0001686	0	0.34722E-02	507596.6	3604140.1	190.8	2.59	3.92	
2.41 NO								
L0001687	0	0.34722E-02	507596.6	3604131.7	190.7	2.59	3.92	
2.41 NO								
L0001688	0	0.34722E-02	507596.5	3604123.2	190.6	2.59	3.92	
2.41 NO								
L0001689	0	0.34722E-02	507596.5	3604114.8	190.6	2.59	3.92	
2.41 NO								
L0001690	0	0.34722E-02	507596.4	3604106.4	190.5	2.59	3.92	
2.41 NO								
L0001691	0	0.34722E-02	507596.4	3604097.9	190.4	2.59	3.92	
2.41 NO								
L0001692	0	0.34722E-02	507596.3	3604089.5	190.5	2.59	3.92	
2.41 NO								
L0001693	0	0.34722E-02	507596.2	3604081.1	190.6	2.59	3.92	
2.41 NO								
L0001694	0	0.34722E-02	507596.2	3604072.6	190.6	2.59	3.92	
2.41 NO								
L0001695	0	0.34722E-02	507596.1	3604064.2	190.7	2.59	3.92	
2.41 NO								
L0001696	0	0.34722E-02	507596.1	3604055.7	190.8	2.59	3.92	
2.41 NO								

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	SY
SZ	SCALAR	VARY	(METERS)	(METERS)	(METERS)
ID	CATS.	BY	(METERS)	(METERS)	(METERS)
(METERS)					
L0001697	0	0.34722E-02	507596.0	3604047.3	190.8
2.41 NO					
L0001698	0	0.34722E-02	507596.0	3604038.9	190.9
2.41 NO					
L0001699	0	0.34722E-02	507595.9	3604030.4	191.0
2.41 NO					
L0001700	0	0.34722E-02	507595.8	3604022.0	191.0
2.41 NO					
L0001701	0	0.34722E-02	507595.8	3604013.5	191.0
2.41 NO					
L0001702	0	0.34722E-02	507595.7	3604005.1	191.1
2.41 NO					
L0001703	0	0.34722E-02	507595.7	3603996.7	191.1
2.41 NO					
L0001704	0	0.34722E-02	507595.6	3603988.2	191.1
2.41 NO					
L0001705	0	0.34722E-02	507595.6	3603979.8	191.1
2.41 NO					
L0001706	0	0.34722E-02	507595.5	3603971.4	191.1
2.41 NO					
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*					
*** VOLUME SOURCE DATA ***					
INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	SY
SZ	SCALAR	VARY	(METERS)	(METERS)	(METERS)
ID	CATS.	BY	(METERS)	(METERS)	(METERS)
(METERS)					
L0001707	0	0.34722E-02	507595.4	3603962.9	191.0
2.41 NO					
L0001708	0	0.34722E-02	507595.4	3603954.5	191.0
2.41 NO					
L0001709	0	0.34722E-02	507595.3	3603946.0	191.0
2.41 NO					
L0001710	0	0.34722E-02	507595.3	3603937.6	190.9
2.41 NO					
L0001711	0	0.34722E-02	507595.2	3603929.2	190.8
2.41 NO					
L0001712	0	0.34722E-02	507595.2	3603920.7	190.7
2.41 NO					
L0001713	0	0.34722E-02	507595.1	3603912.3	190.7
2.41 NO					
L0001714	0	0.34722E-02	507595.0	3603903.8	190.6
2.41 NO					
L0001715	0	0.34722E-02	507595.0	3603895.4	190.5
2.41 NO					
L0001716	0	0.34722E-02	507594.9	3603887.0	190.5
2.41 NO					
L0001717	0	0.34722E-02	507594.9	3603878.5	190.4
2.41 NO					
L0001718	0	0.34722E-02	507594.8	3603870.1	190.4
2.41 NO					
L0001719	0	0.34722E-02	507594.8	3603861.7	190.3
2.41 NO					

Otay Hills Quarry AERMOD Output File (HRA)

L0001720	0	0.34722E-02	507594.7	3603853.2	190.3	2.59	3.92
2.41 NO							
L0001721	0	0.34722E-02	507594.6	3603844.8	190.2	2.59	3.92
2.41 NO							
L0001722	0	0.34722E-02	507594.6	3603836.3	190.2	2.59	3.92
2.41 NO							
L0001723	0	0.34722E-02	507594.5	3603827.9	190.2	2.59	3.92
2.41 NO							
L0001724	0	0.34722E-02	507594.5	3603819.5	190.1	2.59	3.92
2.41 NO							
L0001725	0	0.34722E-02	507594.4	3603811.0	190.1	2.59	3.92
2.41 NO							
L0001726	0	0.34722E-02	507594.4	3603802.6	190.1	2.59	3.92
2.41 NO							
L0001727	0	0.34722E-02	507594.3	3603794.2	190.1	2.59	3.92
2.41 NO							
L0001728	0	0.34722E-02	507594.2	3603785.7	190.1	2.59	3.92
2.41 NO							
L0001729	0	0.34722E-02	507594.2	3603777.3	190.2	2.59	3.92
2.41 NO							
L0001730	0	0.34722E-02	507594.1	3603768.8	190.3	2.59	3.92
2.41 NO							
L0001731	0	0.34722E-02	507594.1	3603760.4	190.4	2.59	3.92
2.41 NO							
L0001732	0	0.34722E-02	507594.0	3603752.0	190.4	2.59	3.92
2.41 NO							
L0001733	0	0.34722E-02	507594.0	3603743.5	190.4	2.59	3.92
2.41 NO							
L0001734	0	0.34722E-02	507593.9	3603735.1	190.3	2.59	3.92
2.41 NO							
L0001735	0	0.34722E-02	507593.8	3603726.6	190.3	2.59	3.92
2.41 NO							
L0001736	0	0.34722E-02	507593.8	3603718.2	190.1	2.59	3.92
2.41 NO							
L0001737	0	0.34722E-02	507593.7	3603709.8	190.0	2.59	3.92
2.41 NO							
L0001738	0	0.34722E-02	507593.7	3603701.3	189.8	2.59	3.92
2.41 NO							
L0001739	0	0.34722E-02	507593.6	3603692.9	189.8	2.59	3.92
2.41 NO							
L0001740	0	0.34722E-02	507593.5	3603684.5	189.8	2.59	3.92
2.41 NO							
L0001741	0	0.34722E-02	507593.5	3603676.0	189.9	2.59	3.92
2.41 NO							
L0001742	0	0.34722E-02	507593.4	3603667.6	189.9	2.59	3.92
2.41 NO							
L0001743	0	0.34722E-02	507593.4	3603659.1	190.1	2.59	3.92
2.41 NO							
L0001744	0	0.34722E-02	507593.3	3603650.7	190.3	2.59	3.92
2.41 NO							
L0001745	0	0.34722E-02	507593.3	3603642.3	190.4	2.59	3.92
2.41 NO							
L0001746	0	0.34722E-02	507593.2	3603633.8	190.6	2.59	3.92
2.41 NO							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		ELEV.	HEIGHT	SY
ID	SOURCE	PART.	(GRAMS/SEC)	X	Y		
(METERS)		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY				
L0001747	0	0.34722E-02	507593.1	3603625.4	190.6	2.59	3.92
2.41 NO							
L0001748	0	0.34722E-02	507593.1	3603616.9	190.7	2.59	3.92
2.41 NO							
L0001749	0	0.34722E-02	507593.0	3603608.5	190.8	2.59	3.92
2.41 NO							
L0001750	0	0.34722E-02	507593.0	3603600.1	190.8	2.59	3.92
2.41 NO							
L0001751	0	0.34722E-02	507592.9	3603591.6	190.8	2.59	3.92
2.41 NO							
L0001752	0	0.34722E-02	507592.9	3603583.2	190.8	2.59	3.92
2.41 NO							
L0001753	0	0.34722E-02	507592.8	3603574.8	190.8	2.59	3.92
2.41 NO							
L0001754	0	0.34722E-02	507592.7	3603566.3	190.7	2.59	3.92
2.41 NO							
L0001755	0	0.34722E-02	507592.7	3603557.9	190.6	2.59	3.92
2.41 NO							
L0001756	0	0.34722E-02	507592.6	3603549.4	190.5	2.59	3.92
2.41 NO							
L0001757	0	0.34722E-02	507592.6	3603541.0	190.5	2.59	3.92
2.41 NO							
L0001758	0	0.34722E-02	507592.5	3603532.6	190.5	2.59	3.92
2.41 NO							
L0001759	0	0.34722E-02	507592.5	3603524.1	190.6	2.59	3.92
2.41 NO							
L0001760	0	0.34722E-02	507592.4	3603515.7	190.6	2.59	3.92
2.41 NO							
L0001761	0	0.34722E-02	507592.3	3603507.3	190.7	2.59	3.92
2.41 NO							
L0001762	0	0.34722E-02	507592.3	3603498.8	190.7	2.59	3.92
2.41 NO							
L0001763	0	0.34722E-02	507592.2	3603490.4	190.8	2.59	3.92
2.41 NO							
L0001764	0	0.34722E-02	507592.2	3603481.9	190.8	2.59	3.92
2.41 NO							
L0001765	0	0.34722E-02	507592.1	3603473.5	190.9	2.59	3.92
2.41 NO							
L0001766	0	0.34722E-02	507592.1	3603465.1	190.9	2.59	3.92
2.41 NO							
L0001767	0	0.34722E-02	507592.0	3603456.6	191.0	2.59	3.92
2.41 NO							
L0001768	0	0.34722E-02	507591.9	3603448.2	191.1	2.59	3.92
2.41 NO							
L0001769	0	0.34722E-02	507591.9	3603439.7	191.1	2.59	3.92
2.41 NO							
L0001770	0	0.34722E-02	507591.8	3603431.3	191.1	2.59	3.92
2.41 NO							
L0001771	0	0.34722E-02	507591.8	3603422.9	191.2	2.59	3.92
2.41 NO							
L0001772	0	0.34722E-02	507591.7	3603414.4	191.1	2.59	3.92
2.41 NO							
L0001773	0	0.34722E-02	507591.7	3603406.0	191.1	2.59	3.92
2.41 NO							
L0001774	0	0.34722E-02	507591.6	3603397.6	191.1	2.59	3.92
2.41 NO							
L0001775	0	0.34722E-02	507591.5	3603389.1	191.0	2.59	3.92
2.41 NO							

Otay Hills Quarry AERMOD Output File (HRA)

L0001776	0	0.34722E-02	507591.5	3603380.7	190.9	2.59	3.92
2.41 NO							
L0001777	0	0.34722E-02	507591.4	3603372.2	190.8	2.59	3.92
2.41 NO							
L0001778	0	0.34722E-02	507591.4	3603363.8	190.6	2.59	3.92
2.41 NO							
L0001779	0	0.34722E-02	507591.3	3603355.4	190.4	2.59	3.92
2.41 NO							
L0001780	0	0.34722E-02	507591.3	3603346.9	190.0	2.59	3.92
2.41 NO							
L0001781	0	0.34722E-02	507591.2	3603338.5	189.7	2.59	3.92
2.41 NO							
L0001782	0	0.34722E-02	507590.4	3603330.8	189.4	2.59	3.92
2.41 NO							
L0001783	0	0.34722E-02	507581.9	3603331.0	189.6	2.59	3.92
2.41 NO							
L0001784	0	0.34722E-02	507573.5	3603331.1	189.8	2.59	3.92
2.41 NO							
L0001785	0	0.34722E-02	507565.0	3603331.3	189.8	2.59	3.92
2.41 NO							
L0001786	0	0.34722E-02	507556.6	3603331.4	189.8	2.59	3.92
2.41 NO							

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0001787	0	0.34722E-02	507548.2	3603331.6	189.8	2.59	3.92
2.41 NO							
L0001788	0	0.34722E-02	507539.7	3603331.7	189.9	2.59	3.92
2.41 NO							
L0001789	0	0.34722E-02	507531.3	3603331.9	190.0	2.59	3.92
2.41 NO							
L0001790	0	0.34722E-02	507522.9	3603332.0	190.1	2.59	3.92
2.41 NO							
L0001791	0	0.34722E-02	507514.4	3603332.2	190.2	2.59	3.92
2.41 NO							
L0001792	0	0.34722E-02	507506.0	3603332.3	190.4	2.59	3.92
2.41 NO							
L0001793	0	0.34722E-02	507497.5	3603332.5	190.6	2.59	3.92
2.41 NO							
L0001794	0	0.34722E-02	507489.1	3603332.6	190.7	2.59	3.92
2.41 NO							
L0001795	0	0.34722E-02	507480.7	3603332.8	190.9	2.59	3.92
2.41 NO							
L0001796	0	0.34722E-02	507472.2	3603332.9	191.1	2.59	3.92
2.41 NO							
L0001797	0	0.34722E-02	507463.8	3603333.0	191.3	2.59	3.92
2.41 NO							
L0001798	0	0.34722E-02	507455.4	3603333.2	191.5	2.59	3.92
2.41 NO							

L0001799	0	0.34722E-02	507446.9	3603333.3	191.7	2.59	3.92
2.41 NO							
L0001800	0	0.34722E-02	507438.5	3603333.5	192.0	2.59	3.92
2.41 NO							
L0001801	0	0.34722E-02	507430.1	3603333.6	192.3	2.59	3.92
2.41 NO							
L0001802	0	0.34722E-02	507421.6	3603333.8	192.6	2.59	3.92
2.41 NO							
L0001803	0	0.34722E-02	507413.2	3603333.9	192.9	2.59	3.92
2.41 NO							
L0001804	0	0.34722E-02	507404.7	3603334.1	193.1	2.59	3.92
2.41 NO							
L0001805	0	0.34722E-02	507396.3	3603334.2	193.4	2.59	3.92
2.41 NO							
L0001806	0	0.34722E-02	507387.9	3603334.4	193.6	2.59	3.92
2.41 NO							
L0001807	0	0.34722E-02	507379.4	3603334.5	193.8	2.59	3.92
2.41 NO							
L0001808	0	0.34722E-02	507371.0	3603334.7	194.1	2.59	3.92
2.41 NO							
L0001809	0	0.34722E-02	507362.6	3603334.8	194.3	2.59	3.92
2.41 NO							
L0001810	0	0.34722E-02	507354.1	3603335.0	194.4	2.59	3.92
2.41 NO							
L0001811	0	0.34722E-02	507345.7	3603335.1	194.6	2.59	3.92
2.41 NO							
L0001812	0	0.34722E-02	507337.2	3603335.2	194.8	2.59	3.92
2.41 NO							
L0001813	0	0.34722E-02	507328.8	3603335.4	194.9	2.59	3.92
2.41 NO							
L0001814	0	0.34722E-02	507320.4	3603335.5	195.0	2.59	3.92
2.41 NO							
L0001815	0	0.34722E-02	507311.9	3603335.7	195.1	2.59	3.92
2.41 NO							
L0001816	0	0.34722E-02	507303.5	3603335.8	195.2	2.59	3.92
2.41 NO							
L0001817	0	0.34722E-02	507295.1	3603336.0	195.2	2.59	3.92
2.41 NO							
L0001818	0	0.34722E-02	507286.6	3603336.1	195.2	2.59	3.92
2.41 NO							
L0001819	0	0.34722E-02	507278.2	3603336.3	195.2	2.59	3.92
2.41 NO							
L0001820	0	0.34722E-02	507269.7	3603336.4	195.2	2.59	3.92
2.41 NO							
L0001821	0	0.34722E-02	507261.3	3603336.6	195.1	2.59	3.92
2.41 NO							
L0001822	0	0.34722E-02	507252.9	3603336.7	195.1	2.59	3.92
2.41 NO							
L0001823	0	0.34722E-02	507244.4	3603336.9	195.0	2.59	3.92
2.41 NO							
L0001824	0	0.34722E-02	507236.0	3603337.0	194.9	2.59	3.92
2.41 NO							
L0001825	0	0.34722E-02	507227.6	3603337.2	194.9	2.59	3.92
2.41 NO							
L0001826	0	0.34722E-02	507219.1	3603337.3	194.8	2.59	3.92
2.41 NO							

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

Otay Hills Quarry AERMOD Output File (HRA)

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

L0001827		0	0.34722E-02	507210.7	3603337.4	194.7	2.59	3.92	L0001855	0	0.34722E-02	506974.4	3603341.6	187.3	2.59	3.92
2.41	NO								2.41	NO						
L0001828		0	0.34722E-02	507202.2	3603337.6	194.3	2.59	3.92	L0001856	0	0.34722E-02	506966.0	3603341.7	187.0	2.59	3.92
2.41	NO								2.41	NO						
L0001829		0	0.34722E-02	507193.8	3603337.7	193.9	2.59	3.92	L0001857	0	0.34722E-02	506957.6	3603341.8	186.6	2.59	3.92
2.41	NO								2.41	NO						
L0001830		0	0.34722E-02	507185.4	3603337.9	193.4	2.59	3.92	L0001858	0	0.34722E-02	506949.1	3603342.0	186.3	2.59	3.92
2.41	NO								2.41	NO						
L0001831		0	0.34722E-02	507176.9	3603338.0	193.1	2.59	3.92	L0001859	0	0.34722E-02	506940.7	3603342.1	186.1	2.59	3.92
2.41	NO								2.41	NO						
L0001832		0	0.34722E-02	507168.5	3603338.2	192.8	2.59	3.92	L0001860	0	0.34722E-02	506932.3	3603342.3	185.8	2.59	3.92
2.41	NO								2.41	NO						
L0001833		0	0.34722E-02	507160.1	3603338.3	192.4	2.59	3.92	L0001861	0	0.34722E-02	506923.8	3603342.4	185.5	2.59	3.92
2.41	NO								2.41	NO						
L0001834		0	0.34722E-02	507151.6	3603338.5	192.2	2.59	3.92	L0001862	0	0.34722E-02	506915.4	3603342.6	185.3	2.59	3.92
2.41	NO								2.41	NO						
L0001835		0	0.34722E-02	507143.2	3603338.6	192.1	2.59	3.92	L0001863	0	0.34722E-02	506907.0	3603342.7	185.1	2.59	3.92
2.41	NO								2.41	NO						
L0001836		0	0.34722E-02	507134.8	3603338.8	191.9	2.59	3.92	L0001864	0	0.34722E-02	506898.5	3603342.9	184.8	2.59	3.92
2.41	NO								2.41	NO						
L0001837		0	0.34722E-02	507126.3	3603338.9	191.8	2.59	3.92	L0001865	0	0.34722E-02	506890.1	3603343.0	184.7	2.59	3.92
2.41	NO								2.41	NO						
L0001838		0	0.34722E-02	507117.9	3603339.1	191.6	2.59	3.92	L0001866	0	0.34722E-02	506881.6	3603343.2	184.5	2.59	3.92
2.41	NO								2.41	NO						
L0001839		0	0.34722E-02	507109.4	3603339.2	191.4	2.59	3.92	*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19							
2.41	NO								*** AERMET - VERSION 18081 *** ***							
L0001840		0	0.34722E-02	507101.0	3603339.4	191.2	2.59	3.92	*** 16:35:25							
2.41	NO								PAGE 11							
L0001841		0	0.34722E-02	507092.6	3603339.5	191.1	2.59	3.92	*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*							
2.41	NO															
L0001842		0	0.34722E-02	507084.1	3603339.6	190.9	2.59	3.92	*** VOLUME SOURCE DATA ***							
2.41	NO															
L0001843		0	0.34722E-02	507075.7	3603339.8	190.7	2.59	3.92								
2.41	NO															
L0001844		0	0.34722E-02	507067.3	3603339.9	190.5	2.59	3.92								
2.41	NO															
L0001845		0	0.34722E-02	507058.8	3603340.1	190.2	2.59	3.92								
2.41	NO															
L0001846		0	0.34722E-02	507050.4	3603340.2	190.0	2.59	3.92								
2.41	NO															
L0001847		0	0.34722E-02	507041.9	3603340.4	189.8	2.59	3.92								
2.41	NO															
L0001848		0	0.34722E-02	507033.5	3603340.5	189.5	2.59	3.92								
2.41	NO															
L0001849		0	0.34722E-02	507025.1	3603340.7	189.3	2.59	3.92								
2.41	NO															
L0001850		0	0.34722E-02	507016.6	3603340.8	189.0	2.59	3.92								
2.41	NO															
L0001851		0	0.34722E-02	507008.2	3603341.0	188.6	2.59	3.92								
2.41	NO															
L0001852		0	0.34722E-02	506999.8	3603341.1	188.3	2.59	3.92								
2.41	NO															
L0001853		0	0.34722E-02	506991.3	3603341.3	188.0	2.59	3.92								
2.41	NO															
L0001854		0	0.34722E-02	506982.9	3603341.4	187.6	2.59	3.92								
2.41	NO															
									L0001867	0	0.34722E-02	506873.2	3603343.3	184.4	2.59	3.92
									2.41	NO						
									L0001868	0	0.34722E-02	506864.8	3603343.5	184.2	2.59	3.92
									2.41	NO						
									L0001869	0	0.34722E-02	506856.3	3603343.6	184.1	2.59	3.92
									2.41	NO						
									L0001870	0	0.34722E-02	506847.9	3603343.8	184.0	2.59	3.92
									2.41	NO						
									L0001871	0	0.34722E-02	506839.5	3603343.9	183.9	2.59	3.92
									2.41	NO						
									L0001872	0	0.34722E-02	506831.0	3603344.0	183.9	2.59	3.92
									2.41	NO						
									L0001873	0	0.34722E-02	506822.6	3603344.2	183.8	2.59	3.92
									2.41	NO						
									L0001874	0	0.34722E-02	506814.1	3603344.3	183.8	2.59	3.92
									2.41	NO						
									L0001875	0	0.34722E-02	506805.7	3603344.5	183.8	2.59	3.92
									2.41	NO						
									L0001876	0	0.34722E-02	506797.3	3603344.6	183.8	2.59	3.92
									2.41	NO						
									L0001877	0	0.34722E-02	506788.8	3603344.8	183.9	2.59	3.92
									2.41	NO						

Otay Hills Quarry AERMOD Output File (HRA)

L0001431	0	0.62893E-02	508492.1	3604129.5	216.5	2.59	3.92
2.41 NO							
L0001432	0	0.62893E-02	508499.2	3604125.1	216.1	2.59	3.92
2.41 NO							
L0001433	0	0.62893E-02	508506.4	3604120.7	215.8	2.59	3.92
2.41 NO							
L0001434	0	0.62893E-02	508513.6	3604116.2	215.4	2.59	3.92
2.41 NO							
L0001435	0	0.62893E-02	508520.8	3604111.8	214.7	2.59	3.92
2.41 NO							
L0001436	0	0.62893E-02	508528.0	3604107.4	214.0	2.59	3.92
2.41 NO							
L0001437	0	0.62893E-02	508535.2	3604103.0	213.4	2.59	3.92
2.41 NO							
L0001438	0	0.62893E-02	508541.5	3604097.5	212.5	2.59	3.92
2.41 NO							
L0001439	0	0.62893E-02	508546.8	3604091.0	211.3	2.59	3.92
2.41 NO							
L0001440	0	0.62893E-02	508552.1	3604084.4	210.1	2.59	3.92
2.41 NO							
L0001441	0	0.62893E-02	508557.4	3604077.9	208.8	2.59	3.92
2.41 NO							
L0001442	0	0.62893E-02	508558.0	3604069.6	207.9	2.59	3.92
2.41 NO							
L0001443	0	0.62893E-02	508556.6	3604061.4	207.5	2.59	3.92
2.41 NO							
L0001444	0	0.62893E-02	508552.0	3604054.7	207.3	2.59	3.92
2.41 NO							
L0001445	0	0.62893E-02	508544.7	3604050.7	207.2	2.59	3.92
2.41 NO							
L0001446	0	0.62893E-02	508536.9	3604047.6	206.9	2.59	3.92
2.41 NO							
L0001447	0	0.62893E-02	508529.0	3604044.4	206.8	2.59	3.92
2.41 NO							
L0001448	0	0.62893E-02	508521.2	3604041.3	206.8	2.59	3.92
2.41 NO							
L0001449	0	0.62893E-02	508513.4	3604038.1	206.8	2.59	3.92
2.41 NO							
L0001450	0	0.62893E-02	508505.5	3604035.0	206.3	2.59	3.92
2.41 NO							
L0001451	0	0.62893E-02	508497.7	3604031.8	205.8	2.59	3.92
2.41 NO							
L0001452	0	0.62893E-02	508489.9	3604028.7	205.3	2.59	3.92
2.41 NO							
L0001453	0	0.62893E-02	508482.1	3604025.5	205.1	2.59	3.92
2.41 NO							
L0001454	0	0.62893E-02	508474.2	3604022.4	204.9	2.59	3.92
2.41 NO							
L0001455	0	0.62893E-02	508466.4	3604019.2	204.6	2.59	3.92
2.41 NO							
L0001456	0	0.62893E-02	508458.6	3604016.1	204.2	2.59	3.92
2.41 NO							
L0001457	0	0.62893E-02	508450.7	3604013.0	204.1	2.59	3.92
2.41 NO							
L0001458	0	0.62893E-02	508442.9	3604009.8	204.1	2.59	3.92
2.41 NO							
L0001459	0	0.62893E-02	508435.1	3604006.7	204.2	2.59	3.92
2.41 NO							

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** VOLUME SOURCE DATA ***
INIT. URBAN NUMBER EMISSION RATE BASE RELEASE INIT.
SOURCE EMISSION RATE
SZ SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT SY
ID SCALAR VARY
(METERS) CATS. (METERS) (METERS) (METERS) (METERS)
-----
L0001460 0 0.62893E-02 508427.2 3604003.5 204.1 2.59 3.92
2.41 NO
L0001461 0 0.62893E-02 508419.4 3604000.4 203.8 2.59 3.92
2.41 NO
L0001462 0 0.62893E-02 508412.1 3603996.3 203.4 2.59 3.92
2.41 NO
L0001463 0 0.62893E-02 508407.1 3603989.9 202.5 2.59 3.92
2.41 NO
L0001464 0 0.62893E-02 508406.3 3603981.8 201.3 2.59 3.92
2.41 NO
L0001465 0 0.62893E-02 508407.3 3603973.4 200.5 2.59 3.92
2.41 NO
L0001466 0 0.62893E-02 508408.4 3603965.0 200.6 2.59 3.92
2.41 NO
L0001467 0 0.62893E-02 508409.4 3603956.7 200.7 2.59 3.92
2.41 NO
L0001468 0 0.62893E-02 508410.4 3603948.3 200.8 2.59 3.92
2.41 NO
L0001469 0 0.62893E-02 508411.5 3603939.9 201.7 2.59 3.92
2.41 NO
L0001470 0 0.62893E-02 508412.5 3603931.6 202.9 2.59 3.92
2.41 NO
L0001471 0 0.62893E-02 508413.5 3603923.2 204.1 2.59 3.92
2.41 NO
L0001472 0 0.62893E-02 508414.6 3603914.8 205.3 2.59 3.92
2.41 NO
L0001473 0 0.62893E-02 508415.6 3603906.4 205.9 2.59 3.92
2.41 NO
L0001474 0 0.62893E-02 508416.6 3603898.1 206.6 2.59 3.92
2.41 NO
L0001475 0 0.62893E-02 508418.8 3603890.0 207.3 2.59 3.92
2.41 NO
L0001476 0 0.62893E-02 508421.9 3603882.1 207.8 2.59 3.92
2.41 NO
L0001477 0 0.62893E-02 508425.1 3603874.3 207.0 2.59 3.92
2.41 NO
L0001478 0 0.62893E-02 508428.2 3603866.5 206.0 2.59 3.92
2.41 NO
L0001479 0 0.62893E-02 508431.4 3603858.7 204.8 2.59 3.92
2.41 NO
L0001480 0 0.62893E-02 508435.1 3603851.2 203.6 2.59 3.92
2.41 NO
L0001481 0 0.62893E-02 508440.9 3603845.1 204.3 2.59 3.92
2.41 NO
L0001482 0 0.62893E-02 508446.8 3603839.0 205.0 2.59 3.92
2.41 NO
L0001483 0 0.62893E-02 508452.6 3603832.9 205.6 2.59 3.92
2.41 NO
L0001484 0 0.62893E-02 508458.8 3603827.2 206.2 2.59 3.92
2.41 NO
L0001485 0 0.62893E-02 508466.3 3603823.4 206.1 2.59 3.92
2.41 NO
L0001486 0 0.62893E-02 508473.8 3603819.5 205.6 2.59 3.92
2.41 NO

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Otay Hills Quarry AERMOD Output File (HRA)

L0001487	0	0.62893E-02	508481.3	3603815.7	205.1	2.59	3.92
2.41 NO							
L0001488	0	0.62893E-02	508488.8	3603811.8	204.8	2.59	3.92
2.41 NO							
L0001489	0	0.62893E-02	508496.1	3603807.8	205.1	2.59	3.92
2.41 NO							
L0001490	0	0.62893E-02	508500.5	3603800.6	205.4	2.59	3.92
2.41 NO							
L0001491	0	0.62893E-02	508504.9	3603793.4	205.8	2.59	3.92
2.41 NO							
L0001492	0	0.62893E-02	508507.0	3603785.3	206.7	2.59	3.92
2.41 NO							
L0001493	0	0.62893E-02	508508.7	3603777.0	207.8	2.59	3.92
2.41 NO							
L0001494	0	0.62893E-02	508510.4	3603768.7	209.0	2.59	3.92
2.41 NO							
L0001495	0	0.62893E-02	508512.1	3603760.5	210.2	2.59	3.92
2.41 NO							
L0001496	0	0.62893E-02	508513.7	3603752.2	211.4	2.59	3.92
2.41 NO							
L0001497	0	0.62893E-02	508515.4	3603743.9	212.5	2.59	3.92
2.41 NO							
L0001498	0	0.62893E-02	508518.4	3603736.5	213.9	2.59	3.92
2.41 NO							
L0001499	0	0.62893E-02	508525.3	3603731.6	215.7	2.59	3.92
2.41 NO							

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.
SOURCE	EMISSION RATE				
SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT
ID	SCALAR VARY				
(METERS)	CATS.	(METERS)	(METERS)	(METERS)	(METERS)
	BY				
L0001500	0	0.62893E-02	508532.1	3603726.7	217.5
2.41 NO					
L0001501	0	0.62893E-02	508539.0	3603721.8	219.2
2.41 NO					
L0001502	0	0.62893E-02	508545.3	3603716.2	221.0
2.41 NO					
L0001503	0	0.62893E-02	508550.8	3603709.9	222.6
2.41 NO					
L0001504	0	0.62893E-02	508554.4	3603702.3	223.9
2.41 NO					
L0001505	0	0.62893E-02	508558.1	3603694.7	225.2
2.41 NO					
L0001506	0	0.62893E-02	508561.8	3603687.2	226.3
2.41 NO					
L0001507	0	0.62893E-02	508565.5	3603679.6	227.4
2.41 NO					
L0001508	0	0.62893E-02	508569.2	3603672.0	228.5
2.41 NO					
L0001509	0	0.62893E-02	508568.9	3603663.6	228.5
2.41 NO					

L0001510	0	0.62893E-02	508564.9	3603656.8	227.5	2.59	3.92
2.41 NO							
L0001511	0	0.62893E-02	508556.5	3603656.2	225.7	2.59	3.92
2.41 NO							
L0001512	0	0.62893E-02	508551.6	3603663.1	224.9	2.59	3.92
2.41 NO							
L0001513	0	0.62893E-02	508550.8	3603671.5	224.7	2.59	3.92
2.41 NO							
L0001514	0	0.62893E-02	508550.1	3603679.9	224.2	2.59	3.92
2.41 NO							
L0001515	0	0.62893E-02	508549.3	3603688.3	223.6	2.59	3.92
2.41 NO							
L0001516	0	0.62893E-02	508547.7	3603696.4	222.9	2.59	3.92
2.41 NO							
L0001517	0	0.62893E-02	508543.8	3603703.9	221.6	2.59	3.92
2.41 NO							
L0001518	0	0.62893E-02	508539.9	3603711.4	220.2	2.59	3.92
2.41 NO							
L0001519	0	0.62893E-02	508535.3	3603718.2	218.8	2.59	3.92
2.41 NO							
L0001520	0	0.62893E-02	508527.9	3603722.2	217.0	2.59	3.92
2.41 NO							
L0001521	0	0.62893E-02	508520.5	3603726.2	215.2	2.59	3.92
2.41 NO							
L0001522	0	0.62893E-02	508513.1	3603730.3	213.4	2.59	3.92
2.41 NO							
L0001523	0	0.62893E-02	508505.9	3603734.6	211.5	2.59	3.92
2.41 NO							
L0001524	0	0.62893E-02	508500.2	3603740.8	209.7	2.59	3.92
2.41 NO							
L0001525	0	0.62893E-02	508494.9	3603747.3	207.8	2.59	3.92
2.41 NO							
L0001526	0	0.62893E-02	508489.5	3603753.9	205.9	2.59	3.92
2.41 NO							
L0001527	0	0.62893E-02	508484.2	3603760.4	204.2	2.59	3.92
2.41 NO							
L0001528	0	0.62893E-02	508478.9	3603767.0	203.4	2.59	3.92
2.41 NO							
L0001529	0	0.62893E-02	508473.6	3603773.5	202.9	2.59	3.92
2.41 NO							
L0001530	0	0.62893E-02	508469.4	3603780.8	202.8	2.59	3.92
2.41 NO							
L0001531	0	0.62893E-02	508465.8	3603788.4	202.9	2.59	3.92
2.41 NO							
L0001532	0	0.62893E-02	508462.1	3603796.0	203.5	2.59	3.92
2.41 NO							
L0001533	0	0.62893E-02	508458.4	3603803.6	203.9	2.59	3.92
2.41 NO							
L0001534	0	0.62893E-02	508454.7	3603811.2	204.0	2.59	3.92
2.41 NO							
L0001535	0	0.62893E-02	508451.0	3603818.8	204.0	2.59	3.92
2.41 NO							
L0001536	0	0.62893E-02	508447.3	3603826.4	203.9	2.59	3.92
2.41 NO							
L0001537	0	0.62893E-02	508442.6	3603833.1	203.6	2.59	3.92
2.41 NO							
L0001538	0	0.62893E-02	508435.9	3603838.3	202.7	2.59	3.92
2.41 NO							
L0001539	0	0.62893E-02	508429.3	3603843.4	203.0	2.59	3.92
2.41 NO							

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Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.  URBAN  NUMBER EMISSION RATE      BASE  RELEASE  INIT.
SOURCE  PART.  (GRAMS/SEC)      X      Y      ELEV.  HEIGHT  SY
SZ  SOURCE  SCALAR VARY
ID  CATS.      (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)      BY
-----
L0001540      0  0.62893E-02  508422.6  3603848.6  203.8      2.59      3.92
2.41  NO
L0001541      0  0.62893E-02  508415.9  3603853.7  204.7      2.59      3.92
2.41  NO
L0001542      0  0.62893E-02  508409.2  3603858.9  205.3      2.59      3.92
2.41  NO
L0001543      0  0.62893E-02  508404.1  3603865.4  205.4      2.59      3.92
2.41  NO
L0001544      0  0.62893E-02  508402.1  3603873.5  205.6      2.59      3.92
2.41  NO
L0001545      0  0.62893E-02  508401.9  3603881.9  206.0      2.59      3.92
2.41  NO
L0001546      0  0.62893E-02  508401.8  3603890.4  205.7      2.59      3.92
2.41  NO
L0001547      0  0.62893E-02  508401.8  3603898.8  205.2      2.59      3.92
2.41  NO
L0001548      0  0.62893E-02  508401.7  3603907.2  204.7      2.59      3.92
2.41  NO
L0001549      0  0.62893E-02  508401.7  3603915.7  204.1      2.59      3.92
2.41  NO
L0001550      0  0.62893E-02  508401.6  3603924.1  203.0      2.59      3.92
2.41  NO
L0001551      0  0.62893E-02  508401.6  3603932.6  202.0      2.59      3.92
2.41  NO
L0001552      0  0.62893E-02  508401.5  3603941.0  200.9      2.59      3.92
2.41  NO
L0001553      0  0.62893E-02  508401.4  3603949.4  200.3      2.59      3.92
2.41  NO
L0001554      0  0.62893E-02  508401.4  3603957.9  200.3      2.59      3.92
2.41  NO
L0001555      0  0.62893E-02  508401.3  3603966.3  200.4      2.59      3.92
2.41  NO
L0001556      0  0.62893E-02  508401.3  3603974.8  200.4      2.59      3.92
2.41  NO
L0001557      0  0.62893E-02  508401.2  3603983.2  201.4      2.59      3.92
2.41  NO
L0001558      0  0.62893E-02  508401.2  3603991.6  202.7      2.59      3.92
2.41  NO
L0001559      0  0.62893E-02  508401.1  3604000.1  203.9      2.59      3.92
2.41  NO
L0001560      0  0.62893E-02  508401.1  3604008.5  205.1      2.59      3.92
2.41  NO
L0001561      0  0.62893E-02  508401.4  3604016.9  206.2      2.59      3.92
2.41  NO
L0001562      0  0.62893E-02  508402.4  3604025.3  207.4      2.59      3.92
2.41  NO
L0001563      0  0.62893E-02  508403.5  3604033.7  208.6      2.59      3.92
2.41  NO
L0001564      0  0.62893E-02  508404.5  3604042.0  209.5      2.59      3.92
2.41  NO
L0001565      0  0.62893E-02  508405.5  3604050.4  210.2      2.59      3.92
2.41  NO

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L0001566      0  0.62893E-02  508406.6  3604058.8  210.8      2.59      3.92
2.41  NO
L0001567      0  0.62893E-02  508411.6  3604065.1  211.6      2.59      3.92
2.41  NO
L0001568      0  0.62893E-02  508417.7  3604071.0  212.3      2.59      3.92
2.41  NO
L0001569      0  0.62893E-02  508425.8  3604073.2  212.8      2.59      3.92
2.41  NO
L0001570      0  0.62893E-02  508434.1  3604073.9  213.2      2.59      3.92
2.41  NO
L0001571      0  0.62893E-02  508442.6  3604073.6  213.1      2.59      3.92
2.41  NO
L0001572      0  0.62893E-02  508451.0  3604073.4  212.9      2.59      3.92
2.41  NO
L0001573      0  0.62893E-02  508459.4  3604073.2  212.8      2.59      3.92
2.41  NO
L0001574      0  0.62893E-02  508467.9  3604072.9  212.3      2.59      3.92
2.41  NO
L0001575      0  0.62893E-02  508476.3  3604072.7  211.8      2.59      3.92
2.41  NO
L0001576      0  0.62893E-02  508484.7  3604072.4  211.3      2.59      3.92
2.41  NO
L0001577      0  0.62893E-02  508493.2  3604072.2  211.2      2.59      3.92
2.41  NO
L0001578      0  0.62893E-02  508501.6  3604071.9  211.3      2.59      3.92
2.41  NO
L0001579      0  0.62893E-02  508510.0  3604071.7  211.3      2.59      3.92
2.41  NO

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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*** VOLUME SOURCE DATA ***

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INIT.  URBAN  NUMBER EMISSION RATE      BASE  RELEASE  INIT.
SOURCE  PART.  (GRAMS/SEC)      X      Y      ELEV.  HEIGHT  SY
SZ  SOURCE  SCALAR VARY
ID  CATS.      (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)      BY
-----
L0001580      0  0.62893E-02  508518.4  3604071.6  211.1      2.59      3.92
2.41  NO
L0001581      0  0.62893E-02  508524.7  3604077.2  211.5      2.59      3.92
2.41  NO
L0001582      0  0.62893E-02  508528.6  3604084.2  212.0      2.59      3.92
2.41  NO
L0001583      0  0.62893E-02  508528.3  3604092.2  212.8      2.59      3.92
2.41  NO
L0001584      0  0.62893E-02  508524.2  3604099.4  213.7      2.59      3.92
2.41  NO
L0001585      0  0.62893E-02  508517.1  3604104.0  214.4      2.59      3.92
2.41  NO
L0001586      0  0.62893E-02  508510.1  3604108.7  214.9      2.59      3.92
2.41  NO
L0001587      0  0.62893E-02  508503.0  3604113.3  215.2      2.59      3.92
2.41  NO
L0001588      0  0.62893E-02  508496.0  3604117.9  215.6      2.59      3.92
2.41  NO

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L0001589 0 0.62893E-02 508488.9 3604122.6 215.9 2.59 3.92
2.41 NO

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	INIT.	URBAN	COORD (SW CORNER)	BASE	RELEASE	X-DIM
SOURCE	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	OF AREA
OF AREA	OF AREA	SZ	SOURCE	SCALAR VARY			
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(DEG.)	(METERS)	BY				

SP1		0	0.60851E-03	508576.8	3603735.9	225.5	9.14	40.54
40.54	0.00	0.00	NO					
SP2		0	0.97632E-03	508516.1	3603736.7	213.4	7.31	32.00
32.00	0.00	0.00	NO					
SP6		0	0.13728E-02	508481.2	3603855.8	208.9	4.57	26.99
26.99	0.00	0.00	NO					
SP7		0	0.13728E-02	508487.7	3603842.6	207.5	4.57	26.99
26.99	0.00	0.00	NO					
SP8		0	0.13728E-02	508494.4	3603828.4	206.1	4.57	26.99
26.99	0.00	0.00	NO					
SP9		0	0.13728E-02	508501.4	3603814.9	205.6	3.05	26.99
26.99	0.00	0.00	NO					
SP10		0	0.13728E-02	508507.6	3603801.4	206.1	3.05	26.99
26.99	0.00	0.00	NO					
SP11		0	0.38610E-02	508515.8	3603879.3	209.7	3.05	16.09
16.09	0.00	0.00	NO					
SP15		0	0.13728E-02	508473.0	3603688.6	207.1	1.22	26.99
26.99	0.00	0.00	NO					
SP16		0	0.13728E-02	508503.8	3603695.4	214.0	1.22	26.99
26.99	0.00	0.00	NO					
SP17		0	0.13728E-02	508519.7	3603678.8	218.2	1.22	26.99
26.99	0.00	0.00	NO					
SP18		0	0.13728E-02	508523.8	3603652.8	219.0	1.22	26.99
26.99	0.00	0.00	NO					
DST1		0	0.14704E-01	508426.0	3604048.9	210.4	1.00	5.48
12.41	0.00	0.00	NO					
RMP		0	0.18838E-02	508486.8	3603663.8	210.5	8.50	23.09
22.99	0.00	0.00	NO					

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** AREAPOLY SOURCE DATA ***

INIT.	URBAN	EMISSION RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER
SOURCE	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT
VERTS.	SZ	SOURCE	SCALAR VARY			OF

ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	BY					

OFFRD 0 0.60436E-05 508609.1 3603549.9 224.5 4.57 20
0.00 NO

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
AS1	AS1 ,
AS2	AS2 ,
CBP1	CBP1 ,
CBP2	CBP2 ,
CBP3	CBP3 ,
CBP4	CBP4 ,
CR1	CR1 ,
CR2	CR2 ,
CR3	CR3 ,
CR4	CR4 ,
CR5	CR5 ,
CTB1	CTB1 ,
CTB2	CTB2 ,
DST1	DST1 ,
HAUL	L0001590 , L0001591 , L0001592 , L0001593 , L0001594 , L0001595 , L0001596 , L0001597 ,
	L0001598 , L0001599 , L0001600 , L0001601 , L0001602 , L0001603 , L0001604 , L0001605 ,
	L0001606 , L0001607 , L0001608 , L0001609 , L0001610 , L0001611 , L0001612 , L0001613 ,
	L0001614 , L0001615 , L0001616 , L0001617 , L0001618 , L0001619 , L0001620 , L0001621 ,
	L0001622 , L0001623 , L0001624 , L0001625 , L0001626 , L0001627 , L0001628 , L0001629 ,

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L0001630 , L0001631 , L0001632 , L0001633 , L0001634
 , L0001635 , L0001636 , L0001637 ,
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
L0001638 , L0001644	L0001639 , L0001645
L0001646 , L0001652	L0001647 , L0001653
L0001654 , L0001660	L0001655 , L0001661
L0001662 , L0001668	L0001663 , L0001669
L0001670 , L0001676	L0001671 , L0001677
L0001678 , L0001684	L0001679 , L0001685
L0001686 , L0001692	L0001687 , L0001693
L0001694 , L0001700	L0001695 , L0001701
L0001702 , L0001708	L0001703 , L0001709
L0001710 , L0001716	L0001711 , L0001717
L0001718 , L0001724	L0001719 , L0001725
L0001726 , L0001732	L0001727 , L0001733
L0001734 , L0001740	L0001735 , L0001741
L0001742 , L0001748	L0001743 , L0001749
L0001750 , L0001756	L0001751 , L0001757
L0001758 , L0001764	L0001759 , L0001765

L0001766 , L0001772
 L0001767 , L0001773
 L0001768 , L0001774
 L0001769 , L0001775
 L0001770 , L0001776
 L0001771 , L0001777
 L0001772 , L0001778
 L0001773 , L0001779
 L0001774 , L0001780
 L0001775 , L0001781
 L0001776 , L0001782
 L0001777 , L0001783
 L0001778 , L0001784
 L0001779 , L0001785
 L0001780 , L0001786
 L0001781 , L0001787
 L0001782 , L0001788
 L0001783 , L0001789
 L0001784 , L0001790
 L0001785 , L0001791
 L0001786 , L0001792
 L0001787 , L0001793
 L0001788 , L0001794

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
L0001798 , L0001804	L0001799 , L0001805
L0001806 , L0001812	L0001807 , L0001813
L0001814 , L0001820	L0001815 , L0001821
L0001822 , L0001828	L0001823 , L0001829
L0001830 , L0001836	L0001831 , L0001837
L0001838 , L0001844	L0001839 , L0001845
L0001846 , L0001852	L0001847 , L0001853
L0001854 , L0001860	L0001855 , L0001861
L0001862 , L0001868	L0001863 , L0001869
L0001870 , L0001876	L0001871 , L0001877
HMA1	HMA1
HMA2	HMA2
HMA3	HMA3
HMA4	HMA4
HSI1	HSI1

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OFFRD      OFFRD      ,
PLO        PLO        ,
RAP1       RAP1       ,
RMP        RMP        ,
ROAD       L0001431    , L0001432    , L0001433    , L0001434    , L0001435
, L0001436    , L0001437    , L0001438    ,
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*** MODELOPTs:      RegDFault  CONC  ELEV  RURAL  ADJ U*

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SRCGROUP ID	SOURCE IDs				
-----	-----				
, L0001444	L0001439 , L0001445	, L0001440 , L0001446	, L0001441 ,	, L0001442	, L0001443
, L0001452	L0001447 , L0001453	, L0001448 , L0001454	, L0001449 ,	, L0001450	, L0001451
, L0001460	L0001455 , L0001461	, L0001456 , L0001462	, L0001457 ,	, L0001458	, L0001459
, L0001468	L0001463 , L0001469	, L0001464 , L0001470	, L0001465 ,	, L0001466	, L0001467
, L0001476	L0001471 , L0001477	, L0001472 , L0001478	, L0001473 ,	, L0001474	, L0001475
, L0001484	L0001479 , L0001485	, L0001480 , L0001486	, L0001481 ,	, L0001482	, L0001483
, L0001492	L0001487 , L0001493	, L0001488 , L0001494	, L0001489 ,	, L0001490	, L0001491
, L0001500	L0001495 , L0001501	, L0001496 , L0001502	, L0001497 ,	, L0001498	, L0001499
, L0001508	L0001503 , L0001509	, L0001504 , L0001510	, L0001505 ,	, L0001506	, L0001507
, L0001516	L0001511 , L0001517	, L0001512 , L0001518	, L0001513 ,	, L0001514	, L0001515
, L0001524	L0001519 , L0001525	, L0001520 , L0001526	, L0001521 ,	, L0001522	, L0001523
, L0001532	L0001527 , L0001533	, L0001528 , L0001534	, L0001529 ,	, L0001530	, L0001531
, L0001540	L0001535 , L0001541	, L0001536 , L0001542	, L0001537 ,	, L0001538	, L0001539

, L0001548	L0001543 , L0001549	, L0001544 , L0001550	, L0001545 ,	, L0001546	, L0001547
, L0001556	L0001551 , L0001557	, L0001552 , L0001558	, L0001553 ,	, L0001554	, L0001555
, L0001564	L0001559 , L0001565	, L0001560 , L0001566	, L0001561 ,	, L0001562	, L0001563
, L0001572	L0001567 , L0001573	, L0001568 , L0001574	, L0001569 ,	, L0001570	, L0001571
, L0001580	L0001575 , L0001581	, L0001576 , L0001582	, L0001577 ,	, L0001578	, L0001579
, L0001588	L0001583 , L0001589	, L0001584 ,	, L0001585	, L0001586	, L0001587
SC1	SC1	,			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ U*

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*** SOURCE IDs DEFINING SOURCE GROUPS
***

```

SRCGROUP	ID	SOURCE	IDs
SC2	SC2	,	
SC3	SC3	,	
SC4	SC4	,	
SC5	SC5	,	
SC6	SC6	,	
SC7	SC7	,	
SP1	SP1	,	
SP10	SP10	,	
SP11	SP11	,	
SP15	SP15	,	
SP16	SP16	,	
SP17	SP17	,	
SP18	SP18	,	
SP2	SP2	,	
SP6	SP6	,	
SP7	SP7	,	

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SP8      SP8      ,
SP9      SP9      ,
TC5      TC5      ,
TC6      TC6      ,

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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*** SOURCE IDs DEFINING SOURCE GROUPS

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SRCGROUP ID          SOURCE IDs
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```

TC7      TC7      ,
TP10     TP10     ,
TP11     TP11     ,
TP12     TP12     ,
TP13     TP13     ,
TP14     TP14     ,
TP15     TP15     ,
TP16     TP16     ,
TP17     TP17     ,
TP18     TP18     ,
TP19     TP19     ,
TP2      TP2      ,
TP20     TP20     ,
TP21     TP21     ,
TP22     TP22     ,
TP23     TP23     ,
TP3      TP3      ,
TP4      TP4      ,
TP5      TP5      ,
TP6      TP6      ,

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

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*** SOURCE IDs DEFINING SOURCE GROUPS

```

SRCGROUP ID          SOURCE IDs
-----
TP7      TP7      ,
TP8      TP8      ,
TP9      TP9      ,
ALL      HMA1      , OFFRD      , CBP1      , CBP2      , CBP3
, CBP4    , AS1      , TC5      ,
, HMA2    RAP1      , HSI1      , TC6      , AS2      , TC7
,         , HMA3      , CTB2      ,
, SP8     CTB1      , SP1      , SP2      , SP6      , SP7
,         , SP9      , SP10     ,
, HMA4    SP11      , SP15      , SP16      , SP17      , SP18
,         , PLO      , DST1      ,
, CR4     RMP      , CR1      , CR2      , SC1      , CR3
,         , CR5      , TP2      ,
, SC2     TP3      , TP4      , TP5      , TP6      , TP7
,         , SC3      , SC4      ,
, TP10    SC5      , SC6      , SC7      , TP8      , TP9
,         , TP11     , TP12     ,
, TP18    TP13      , TP14      , TP15      , TP16      , TP17
,         , TP19     , TP20     ,
, L0001592 TP21      , TP22      , TP23      , L0001590 , L0001591
,         , L0001593 , L0001594 ,
, L0001600 L0001595 , L0001596 , L0001597 , L0001598 , L0001599
,         , L0001601 , L0001602 ,
, L0001608 L0001603 , L0001604 , L0001605 , L0001606 , L0001607
,         , L0001609 , L0001610 ,
, L0001616 L0001611 , L0001612 , L0001613 , L0001614 , L0001615
,         , L0001617 , L0001618 ,
, L0001624 L0001619 , L0001620 , L0001621 , L0001622 , L0001623
,         , L0001625 , L0001626 ,
, L0001632 L0001627 , L0001628 , L0001629 , L0001630 , L0001631
,         , L0001633 , L0001634 ,
, L0001640 L0001635 , L0001636 , L0001637 , L0001638 , L0001639
,         , L0001641 , L0001642 ,
, L0001648 L0001643 , L0001644 , L0001645 , L0001646 , L0001647
,         , L0001649 , L0001650 ,

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Otay Hills Quarry AERMOD Output File (HRA)

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    L0001651 , L0001652 , L0001653 , L0001654 , L0001655
, L0001656 , L0001657 , L0001658 ,
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
L0001659 , L0001660 , L0001661 , L0001662 , L0001663	
L0001667 , L0001668 , L0001669 , L0001670 , L0001671	
L0001675 , L0001676 , L0001677 , L0001678 , L0001679	
L0001683 , L0001684 , L0001685 , L0001686 , L0001687	
L0001691 , L0001692 , L0001693 , L0001694 , L0001695	
L0001699 , L0001700 , L0001701 , L0001702 , L0001703	
L0001707 , L0001708 , L0001709 , L0001710 , L0001711	
L0001715 , L0001716 , L0001717 , L0001718 , L0001719	
L0001723 , L0001724 , L0001725 , L0001726 , L0001727	
L0001731 , L0001732 , L0001733 , L0001734 , L0001735	
L0001739 , L0001740 , L0001741 , L0001742 , L0001743	
L0001747 , L0001748 , L0001749 , L0001750 , L0001751	
L0001755 , L0001756 , L0001757 , L0001758 , L0001759	
L0001763 , L0001764 , L0001765 , L0001766 , L0001767	
L0001771 , L0001772 , L0001773 , L0001774 , L0001775	
L0001779 , L0001780 , L0001781 , L0001782 , L0001783	

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    L0001787 , L0001788 , L0001789 , L0001790 , L0001791
, L0001792 , L0001793 , L0001794 ,
    L0001795 , L0001796 , L0001797 , L0001798 , L0001799
, L0001800 , L0001801 , L0001802 ,
    L0001803 , L0001804 , L0001805 , L0001806 , L0001807
, L0001808 , L0001809 , L0001810 ,
    L0001811 , L0001812 , L0001813 , L0001814 , L0001815
, L0001816 , L0001817 , L0001818 ,
*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
L0001819 , L0001820 , L0001821 , L0001822 , L0001823	
L0001827 , L0001828 , L0001829 , L0001830 , L0001831	
L0001835 , L0001836 , L0001837 , L0001838 , L0001839	
L0001843 , L0001844 , L0001845 , L0001846 , L0001847	
L0001851 , L0001852 , L0001853 , L0001854 , L0001855	
L0001859 , L0001860 , L0001861 , L0001862 , L0001863	
L0001867 , L0001868 , L0001869 , L0001870 , L0001871	
L0001875 , L0001876 , L0001877 , L0001431 , L0001432	
L0001436 , L0001437 , L0001438 , L0001439 , L0001440	
L0001444 , L0001445 , L0001446 , L0001447 , L0001448	
L0001452 , L0001453 , L0001454 , L0001455 , L0001456	
L0001460 , L0001461 , L0001462 , L0001463 , L0001464	
L0001468 , L0001469 , L0001470 , L0001471 , L0001472	

Otay Hills Quarry AERMOD Output File (HRA)

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, L0001481    L0001476    , L0001477    , L0001478    , L0001479    , L0001480
, L0001481    , L0001482    , L0001483    ,
, L0001489    L0001484    , L0001485    , L0001486    , L0001487    , L0001488
, L0001489    , L0001490    , L0001491    ,
, L0001497    L0001492    , L0001493    , L0001494    , L0001495    , L0001496
, L0001497    , L0001498    , L0001499    ,
, L0001505    L0001500    , L0001501    , L0001502    , L0001503    , L0001504
, L0001505    , L0001506    , L0001507    ,
, L0001513    L0001508    , L0001509    , L0001510    , L0001511    , L0001512
, L0001513    , L0001514    , L0001515    ,
, L0001521    L0001516    , L0001517    , L0001518    , L0001519    , L0001520
, L0001521    , L0001522    , L0001523    ,
, L0001529    L0001524    , L0001525    , L0001526    , L0001527    , L0001528
, L0001529    , L0001530    , L0001531    ,

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
, L0001537	L0001532 , L0001533 , L0001534 , L0001535 , L0001536 , L0001537 , L0001538 , L0001539 ,
, L0001545	L0001540 , L0001541 , L0001542 , L0001543 , L0001544 , L0001545 , L0001546 , L0001547 ,
, L0001553	L0001548 , L0001549 , L0001550 , L0001551 , L0001552 , L0001553 , L0001554 , L0001555 ,
, L0001561	L0001556 , L0001557 , L0001558 , L0001559 , L0001560 , L0001561 , L0001562 , L0001563 ,
, L0001569	L0001564 , L0001565 , L0001566 , L0001567 , L0001568 , L0001569 , L0001570 , L0001571 ,
, L0001577	L0001572 , L0001573 , L0001574 , L0001575 , L0001576 , L0001577 , L0001578 , L0001579 ,
, L0001585	L0001580 , L0001581 , L0001582 , L0001583 , L0001584 , L0001585 , L0001586 , L0001587 ,
	L0001588 , L0001589 ,
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

```

504118.9, 504368.9, 504618.9, 504868.9, 505118.9, 505368.9,
505618.9, 505868.9, 506118.9, 506368.9,
506618.9, 506868.9, 507118.9, 507368.9, 507618.9, 507868.9,
508118.9, 508368.9, 508618.9, 508868.9,
509118.9, 509368.9, 509618.9, 509868.9, 510118.9, 510368.9,
510618.9, 510868.9, 511118.9,

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

```

3601097.5, 3601347.5, 3601597.5, 3601847.5, 3602097.5, 3602347.5,
3602597.5, 3602847.5, 3603097.5, 3603347.5,
3603597.5, 3603847.5, 3604097.5, 3604347.5, 3604597.5, 3604847.5,
3605097.5, 3605347.5, 3605597.5, 3605847.5,
3606097.5,

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)
505368.86	505618.86 505868.86 506118.86
3606097.54	69.00 79.80 98.30 130.30 120.80
159.30	164.70 155.80 94.80
3605847.54	104.60 119.20 124.40 150.00 159.30
162.60	164.70 170.00 138.40
3605597.54	93.00 113.30 145.70 162.30 167.00
169.30	171.50 176.00 178.70
3605347.54	156.70 134.60 108.50 106.50 158.50
169.60	173.40 178.50 179.50
3605097.54	161.40 163.40 162.60 131.40 119.60
136.60	172.80 177.20 179.60
3604847.54	161.20 161.80 154.10 152.50 171.90
134.30	130.20 169.90 174.20
3604597.54	159.40 159.80 162.80 172.50 184.50
158.40	163.60 133.20 156.80
3604347.54	157.80 156.80 160.60 166.80 175.50
181.90	186.00 181.20 142.50
3604097.54	154.20 163.90 161.80 164.10 168.90
174.60	188.80 187.80 167.80
3603847.54	152.60 159.20 171.70 170.90 179.10
186.10	184.50 176.20 179.00
3603597.54	152.80 155.00 165.50 169.20 167.40
174.40	171.70 169.50 174.40

Otay Hills Quarry AERMOD Output File (HRA)

3603347.54		149.70	155.20	160.90	161.60	163.60
166.00	168.80	171.70	181.10			
3603097.54		149.30	151.70	153.50	167.20	162.20
161.50	172.20	171.40	182.20			
3602847.54		148.80	151.90	160.80	159.60	159.90
161.10	172.30	173.30	182.90			
3602597.54		148.80	151.10	158.40	160.20	162.30
165.50	173.30	174.90	184.00			
3602347.54		148.50	150.50	152.20	153.30	160.60
169.30	174.60	178.00	181.10			
3602097.54		147.30	149.50	153.00	154.80	161.20
164.00	168.20	174.50	170.40			
3601847.54		147.30	149.30	149.80	152.90	159.90
161.30	164.70	164.70	165.40			
3601597.54		146.50	148.80	149.70	152.60	154.20
157.10	156.90	158.60	161.60			
3601347.54		147.70	148.80	150.10	151.00	154.30
154.50	154.70	156.60	155.90			
3601097.54		149.00	149.60	151.50	156.40	155.70
156.90	155.80	158.70	157.20			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

GRIDCART ***
*** NETWORK ID: UCART1 ; NETWORK TYPE:

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507618.86
507868.86	507868.86
508118.86	508118.86
508368.86	508368.86

3606097.54		131.30	159.70	164.00	208.90	212.60
224.70	253.90	253.30	288.20			
3605847.54		96.80	136.50	172.10	186.80	219.00
227.70	238.20	223.60	252.40			
3605597.54		148.80	108.80	136.30	171.20	216.50
228.60	241.10	206.50	201.40			
3605347.54		180.80	179.60	129.10	118.90	137.60
166.20	184.80	189.90	247.30			
3605097.54		180.70	183.30	187.60	189.10	176.40
184.40	199.50	232.70	298.90			
3604847.54		181.50	184.90	189.80	195.10	201.10
210.10	226.30	229.00	259.80			
3604597.54		172.60	184.70	189.40	193.70	199.80
209.30	213.20	237.50	271.10			
3604347.54		168.90	169.30	169.50	184.20	196.90
200.00	203.30	206.10	231.50			
3604097.54		147.90	168.00	181.70	189.00	184.00
190.20	202.30	202.70	207.00			
3603847.54		176.30	160.10	170.00	167.50	183.20
191.30	198.50	195.40	202.50			
3603597.54		187.00	185.20	184.20	188.90	185.40
190.10	198.80	192.70	196.20			
3603347.54		186.00	189.90	184.30	191.10	197.70
187.20	189.80	180.70	196.90			
3603097.54		187.90	190.20	189.30	188.00	186.50
181.40	179.00	176.70	187.40			

3602847.54		189.70	193.10	187.70	186.00	180.10
169.90	172.30	175.10	174.90			
3602597.54		190.90	179.80	183.00	183.50	170.90
166.80	169.80	165.80	173.40			
3602347.54		175.70	175.40	174.70	172.30	167.60
160.80	160.70	159.90	165.50			
3602097.54		168.10	163.90	166.70	161.00	160.00
156.90	156.40	155.10	156.50			
3601847.54		163.50	161.20	163.30	155.90	153.60
152.80	154.40	150.70	153.80			
3601597.54		159.10	158.30	157.20	152.80	151.00
150.50	151.50	152.10	148.20			
3601347.54		155.30	155.60	154.40	154.80	153.40
148.70	152.60	149.30	150.00			
3601097.54		155.90	155.10	155.50	155.50	153.20
149.70	148.20	150.90	152.90			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

GRIDCART ***
*** NETWORK ID: UCART1 ; NETWORK TYPE:

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509868.86
510118.86	510118.86
510368.86	510368.86
510618.86	510618.86

3606097.54		311.70	294.70	350.30	279.00	350.50
442.70	493.00	495.50	563.30			
3605847.54		255.70	243.80	304.50	236.00	316.60
354.20	426.20	433.10	484.80			
3605597.54		213.10	234.30	242.60	241.80	253.30
272.20	361.90	458.70	469.70			
3605347.54		256.60	231.60	236.10	237.00	237.70
293.60	329.60	393.40	377.90			
3605097.54		322.90	284.90	310.10	350.80	292.00
251.00	308.30	333.20	398.20			
3604847.54		330.50	390.80	393.10	414.70	361.80
327.90	294.50	302.00	328.90			
3604597.54		311.10	346.90	390.20	367.20	400.50
414.80	353.10	326.90	297.10			
3604347.54		249.10	279.40	292.70	287.20	359.90
411.30	465.50	432.00	392.60			
3604097.54		211.50	228.10	248.10	279.40	311.90
420.70	468.30	450.80	482.20			
3603847.54		215.80	231.20	239.30	251.10	297.90
358.90	390.80	373.50	455.80			
3603597.54		231.90	267.40	300.00	279.60	275.00
281.30	297.70	296.30	351.10			
3603347.54		205.10	248.80	295.70	264.20	234.30
264.70	240.00	256.70	305.80			
3603097.54		204.40	205.00	254.90	216.90	207.70
226.40	224.90	270.50	322.20			
3602847.54		172.40	181.00	216.00	182.90	187.70
214.30	205.80	228.30	322.00			
3602597.54		163.30	168.40	185.10	171.60	184.00
194.60	202.20	240.60	315.40			

Otay Hills Quarry AERMOD Output File (HRA)

3602347.54	165.00	162.90	168.40	173.30	181.70
174.70	187.80	210.30	233.10		
3602097.54	154.50	157.00	156.80	171.10	176.20
176.90	224.60	228.30	186.00		
3601847.54	147.60	150.00	161.90	166.30	170.00
164.60	181.60	222.10	179.50		
3601597.54	146.00	156.70	159.00	161.80	159.60
162.00	165.50	185.90	167.40		
3601347.54	143.40	156.20	156.50	159.90	144.40
160.50	165.20	164.50	140.80		
3601097.54	144.70	150.70	153.80	156.30	146.10
156.30	161.00	124.30	163.10		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86
3606097.54	599.00
3605847.54	536.70
3605597.54	487.70
3605347.54	396.50
3605097.54	437.90
3604847.54	387.60
3604597.54	305.90
3604347.54	446.60
3604097.54	524.20
3603847.54	474.30
3603597.54	375.60
3603347.54	431.60
3603097.54	380.60
3602847.54	387.80
3602597.54	327.00
3602347.54	253.10
3602097.54	194.50
3601847.54	174.20
3601597.54	183.60
3601347.54	156.90
3601097.54	135.80

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD	X-COORD (METERS)
---------	------------------

(METERS)	504118.86	504368.86	504618.86	504868.86	505118.86
505368.86	505618.86	505868.86	506118.86		

3606097.54	164.40	166.30	521.90	160.70	523.90
523.90	523.90	678.30	714.70		
3605847.54	158.20	159.10	164.40	161.60	162.50
523.00	523.90	523.90	678.80		
3605597.54	164.10	164.10	160.20	162.30	167.00
169.30	523.90	523.90	678.30		
3605347.54	156.70	164.10	171.20	183.80	167.10
169.60	173.40	523.90	523.90		
3605097.54	161.40	163.40	162.60	183.00	186.20
521.90	172.80	523.00	523.90		
3604847.54	161.20	161.80	161.40	180.90	171.90
188.00	523.90	175.30	523.90		
3604597.54	159.40	159.80	162.80	172.50	184.50
186.70	170.90	678.30	678.30		
3604347.54	157.80	156.80	160.60	166.80	175.50
181.90	186.00	181.20	678.30		
3604097.54	154.20	163.90	161.80	164.10	168.90
174.60	188.80	187.80	181.50		
3603847.54	152.60	159.20	171.70	170.90	179.10
186.10	184.50	176.20	179.00		
3603597.54	152.80	161.10	165.50	169.20	167.40
174.40	171.70	169.50	174.40		
3603347.54	149.70	155.20	160.90	161.60	179.90
166.00	170.90	171.70	181.10		
3603097.54	149.30	151.70	153.50	167.20	179.90
161.50	172.20	171.40	182.20		
3602847.54	148.80	151.90	160.80	159.60	174.00
175.30	172.30	173.30	182.90		
3602597.54	148.80	151.10	158.40	160.20	167.30
165.50	173.30	185.30	184.00		
3602347.54	148.50	150.50	152.20	153.30	160.60
169.30	174.60	178.00	181.10		
3602097.54	147.30	149.50	153.00	154.80	161.20
164.00	177.90	174.50	177.30		
3601847.54	147.30	149.30	149.80	152.90	160.60
161.30	164.70	164.70	165.40		
3601597.54	146.50	148.80	149.70	152.60	154.20
157.10	156.90	158.60	161.60		
3601347.54	147.70	148.80	150.10	153.40	154.30
154.50	154.70	156.60	155.90		
3601097.54	149.00	149.60	151.50	156.40	155.70
156.90	155.80	168.20	157.20		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)
506368.86	506618.86
507618.86	507868.86
508118.86	508368.86

Otay Hills Quarry AERMOD Output File (HRA)

3606097.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3605847.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3605597.54		713.60	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3605347.54		678.30	678.80	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3605097.54		678.30	678.80	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3604847.54		678.30	678.80	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3604597.54		678.30	678.30	702.80	714.70	714.70
714.70	714.70	714.70	714.70			
3604347.54		678.30	678.80	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3604097.54		678.30	678.30	678.80	714.70	714.70
714.70	714.70	714.70	714.70			
3603847.54		183.00	678.30	678.80	714.70	714.70
714.70	714.70	714.70	714.70			
3603597.54		187.00	185.20	678.30	678.80	714.70
714.70	714.70	714.70	714.70			
3603347.54		186.00	191.90	184.30	678.30	678.80
714.70	714.70	714.70	714.70			
3603097.54		187.90	190.20	189.30	188.00	678.30
714.70	714.70	714.70	714.70			
3602847.54		189.70	193.10	187.70	186.00	678.30
714.70	714.70	714.70	714.70			
3602597.54		190.90	179.80	183.00	183.50	677.20
714.70	714.70	714.70	714.70			
3602347.54		180.20	175.40	174.70	172.30	677.20
678.30	714.70	714.70	714.70			
3602097.54		168.10	174.20	166.70	675.80	677.20
677.20	714.70	714.70	714.70			
3601847.54		163.50	161.20	163.30	155.90	677.20
677.20	677.20	714.70	714.70			
3601597.54		159.10	158.30	165.20	152.80	677.20
677.20	677.20	714.70	714.70			
3601347.54		155.30	155.60	154.40	154.80	675.90
677.20	677.20	714.70	714.70			
3601097.54		155.90	155.10	155.50	155.50	153.20
677.20	677.20	714.70	714.70			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 ***
*** 16:35:25

PAGE 35
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)					X-COORD (METERS)
509868.86	510118.86	510368.86	510618.86		
-----	-----	-----	-----	-----	-----
3606097.54	714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70		
3605847.54	714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70		

3605597.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3605347.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3605097.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3604847.54		714.70	678.80	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3604597.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3604347.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3604097.54		714.70	714.70	714.70	714.70	714.70
714.70	677.20	714.70	714.70			
3603847.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3603597.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3603347.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3603097.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3602847.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3602597.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3602347.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3602097.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3601847.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3601597.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3601347.54		714.70	714.70	714.70	714.70	714.70
714.70	714.70	714.70	714.70			
3601097.54		677.20	713.60	714.70	714.70	714.70
714.70	714.70	714.70	714.70			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 ***
*** 16:35:25

PAGE 36
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)					X-COORD (METERS)
510868.86					511118.86
-----	-----	-----	-----	-----	-----
3606097.54	702.80				678.30
3605847.54	714.70				714.70
3605597.54	714.70				714.70
3605347.54	714.70				714.70
3605097.54	714.70				714.70
3604847.54	714.70				714.70
3604597.54	714.70				714.70
3604347.54	714.70				714.70
3604097.54	677.20				677.20
3603847.54	714.70				714.70

3603597.54		714.70	714.70
3603347.54		714.70	714.70
3603097.54		714.70	714.70
3602847.54		714.70	714.70
3602597.54		714.70	714.70
3602347.54		714.70	714.70
3602097.54		714.70	714.70
3601847.54		714.70	714.70
3601597.54		714.70	714.70
3601347.54		714.70	714.70
3601097.54		714.70	714.70

PAGE 37
*** MODELOPTs: ReqDEFAULT CONC ELEV RURAL ADJ U*

ZFLAG)

```

( 508226.8, 3603955.6, 202.7, 714.7, 0.0); ( 507708.7,
3603932.3, 193.9, 714.7, 0.0);
( 506203.6, 3603369.2, 182.0, 182.0, 0.0); ( 507919.9,
3604794.5, 229.9, 714.7, 0.0);
( 507037.9, 3604916.1, 194.1, 714.7, 0.0);

```

PAGE 38
*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ U*

	SOURCE	- - RECEPTOR LOCATION - -	
DISTANCE	ID	XR (METERS)	YR (METERS)
(METERS)			
- - - -			
0.11	L0001838	507118.9	3603347.5
-2.37	L0001867	506868.9	3603347.5
-2.65	L0001868	506868.9	3603347.5

PAGE 39
*** MODELOPTs: ReqDEFAULT CONC ELEV RURAL ADJ U*

[illegible]

```
*** UPPER BOUND OF FIRST THROUGH FIFTH WIND  
SPEED CATEGORIES ***  
  
(METERS/SEC)  
  
10.80,      1.54,    3.09,    5.14,    8.23,
```

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*** MODELOPTs: ReqDEFAULT CONC ELEV RURAL ADJ U*

```

Surface file:      ..\..\MetData\DVN_2015_2017_v18081.SFC
Met Version:      18081
Profile file:      ..\..\MetData\DVN_2015_2017_v18081.PFL
Surface format:    FREE
Profile format:    FREE
Surface station no.:      3178
Name: UNKNOWN
Year: 2015
Upper air station no.:    3190
Name: UNKNOWN
Year: 2015

```

First 24 hours of scalar data														
YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA		HT						
15	01	01	1	01	-2.5	0.069	-9.000	-9.000	-999.	43.	11.5	0.03	1.08	
1.00	1.00	126.		10.0	276.8	10.0								
15	01	01	1	02	-2.5	0.069	-9.000	-9.000	-999.	43.	11.5	0.03	1.08	
1.00	1.00	124.		10.0	276.1	10.0								
15	01	01	1	03	-1.1	0.057	-9.000	-9.000	-999.	33.	15.8	0.03	1.08	
1.00		0.50	186.	10.0	276.2	10.0								
15	01	01	1	04	-1.6	0.064	-9.000	-9.000	-999.	39.	15.2	0.07	1.08	
1.00	0.60	164.		10.0	275.8	10.0								
15	01	01	1	05	-4.3	0.087	-9.000	-9.000	-999.	62.	13.6	0.05	1.08	
1.00	1.30	100.		10.0	275.6	10.0								

Otay Hills Quarry AERMOD Output File (HRA)

15	01	01	1	06	-6.7	0.106	-9.000	-9.000	-999.	83.	16.0	0.03	1.08
1.00	1.70	131.		10.0	274.9	10.0							
15	01	01	1	07	-2.2	0.066	-9.000	-9.000	-999.	41.	11.6	0.03	1.08
1.00	0.90	120.		10.0	275.5	10.0							
15	01	01	1	08	-32.5	0.509	-9.000	-9.000	-999.	871.	360.0	0.10	1.08
0.48	5.96	133.		10.0	276.5	10.0							
15	01	01	1	09	35.2	0.073	0.422	0.005	76.	498.	-1.0	0.03	1.08
0.28	0.60	149.		10.0	278.9	10.0							
15	01	01	1	10	86.5	0.270	0.868	0.005	269.	339.	-20.1	0.07	1.08
0.22	2.80	151.		10.0	281.9	10.0							
15	01	01	1	11	121.4	0.336	1.427	0.005	852.	467.	-27.8	0.07	1.08
0.20	3.60	156.		10.0	283.8	10.0							
15	01	01	1	12	138.0	0.206	1.624	0.005	1105.	234.	-5.6	0.03	1.08
0.19	2.20	209.		10.0	285.1	10.0							
15	01	01	1	13	135.4	0.204	1.665	0.005	1213.	222.	-5.6	0.03	1.08
0.19	2.20	312.		10.0	285.9	10.0							
15	01	01	1	14	113.9	0.201	1.608	0.005	1297.	216.	-6.3	0.02	1.08
0.20	2.50	299.		10.0	286.5	10.0							
15	01	01	1	15	74.3	0.277	1.426	0.005	1388.	350.	-25.4	0.02	1.08
0.23	3.90	280.		10.0	286.5	10.0							
15	01	01	1	16	19.8	0.333	0.921	0.005	1400.	461.	-165.1	0.02	1.08
0.32	5.10	280.		10.0	285.9	10.0							
15	01	01	1	17	-20.7	0.234	-9.000	-9.000	-999.	276.	60.2	0.02	1.08
0.60	3.90	288.		10.0	284.5	10.0							
15	01	01	1	18	-3.1	0.078	-9.000	-9.000	-999.	82.	13.4	0.08	1.08
1.00	1.00	335.		10.0	283.0	10.0							
15	01	01	1	19	-20.0	0.203	-9.000	-9.000	-999.	219.	45.3	0.14	1.08
1.00	2.30	30.		10.0	282.0	10.0							
15	01	01	1	20	-18.9	0.193	-9.000	-9.000	-999.	204.	41.0	0.11	1.08
1.00	2.30	15.		10.0	282.0	10.0							
15	01	01	1	21	-15.4	0.175	-9.000	-9.000	-999.	175.	33.6	0.14	1.08
1.00	2.00	53.		10.0	281.5	10.0							
15	01	01	1	22	-12.3	0.156	-9.000	-9.000	-999.	148.	27.3	0.14	1.08
1.00	1.80	54.		10.0	281.5	10.0							
15	01	01	1	23	-2.7	0.072	-9.000	-9.000	-999.	49.	12.2	0.05	1.08
1.00	1.00	113.		10.0	280.5	10.0							
15	01	01	1	24	-1.0	0.057	-9.000	-9.000	-999.	32.	15.6	0.03	1.08
1.00	0.50	140.		10.0	280.1	10.0							

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB	TMP	sigmaA	sigmaW	sigmaV
15	01	01	01	10.0	1	126.	1.00	276.8	99.0	-99.00	-99.00	

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

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: AS1

INCLUDING SOURCE(S): AS1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86
505618.86	504368.86
505868.86	504618.86
506118.86	504868.86
	505118.86

3606097.54		0.26977	0.30430	0.34486	0.39806	0.42751
0.50169	0.53737	0.53290	0.48443			
3605847.54		0.26511	0.30389	0.34626	0.41612	0.48275
0.54260	0.59579	0.64849	0.60872			
3605597.54		0.25281	0.28773	0.34639	0.41582	0.48513
0.56230	0.64644	0.73685	0.81142			
3605347.54		0.28577	0.29387	0.31113	0.34904	0.44531
0.53798	0.64012	0.76852	0.89220			
3605097.54		0.28770	0.31909	0.35164	0.35645	0.39211
0.45977	0.60193	0.72841	0.88835			
3604847.54		0.27551	0.30644	0.33276	0.37069	0.44868
0.45047	0.51178	0.66811	0.80999			
3604597.54		0.25780	0.28581	0.32220	0.37603	0.44772
0.46248	0.54454	0.58391	0.72826			
3604347.54		0.24345	0.26724	0.30016	0.34315	0.40073
0.46974	0.55322	0.63615	0.65630			
3604097.54		0.22757	0.25831	0.28348	0.31820	0.36375
0.42200	0.51413	0.59672	0.64029			
3603847.54		0.21052	0.23544	0.27110	0.29995	0.34627
0.40191	0.45614	0.50694	0.60047			
3603597.54		0.19562	0.21486	0.24422	0.27333	0.30185
0.34783	0.38907	0.44029	0.52087			
3603347.54		0.18438	0.20420	0.22776	0.25134	0.28043
0.31577	0.35934	0.41357	0.49738			
3603097.54		0.17717	0.19372	0.21249	0.24427	0.26510
0.29443	0.34539	0.39213	0.47578			
3602847.54		0.16997	0.18616	0.20917	0.22915	0.25422
0.28530	0.33624	0.38603	0.46785			
3602597.54		0.16566	0.18163	0.20350	0.22552	0.25206
0.28574	0.33398	0.38458	0.45497			
3602347.54		0.16346	0.17896	0.19703	0.21837	0.24930
0.28807	0.32751	0.36394	0.39818			
3602097.54		0.16128	0.17740	0.19726	0.21879	0.24508
0.26788	0.29031	0.31690	0.34088			
3601847.54		0.16151	0.17710	0.19235	0.20819	0.22540
0.23868	0.25717	0.28089	0.31593			
3601597.54		0.15903	0.17043	0.17993	0.18980	0.20028
0.21565	0.23518	0.26324	0.30090			
3601347.54		0.15071	0.15733	0.16435	0.17320	0.18693
0.20365	0.22520	0.25352	0.28657			
3601097.54		0.13912	0.14498	0.15351	0.16644	0.18033
0.19867	0.21963	0.24821	0.27870			

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: AS1

INCLUDING SOURCE(S): AS1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
507618.86	506368.86
507868.86	506618.86
508118.86	506868.86
508368.86	507118.86
	507368.86

Otay Hills Quarry AERMOD Output File (HRA)

3606097.54		0.49318	0.51651	0.49177	0.50146	0.38015
0.31047	0.12538	0.11051	0.04243			
3605847.54		0.58525	0.59587	0.64225	0.62812	0.47001
0.35690	0.25913	0.28781	0.10168			
3605597.54		0.75984	0.72865	0.73138	0.77097	0.72137
0.44090	0.28993	0.56836	0.54537			
3605347.54		1.00573	1.07227	0.94377	0.91376	0.87140
0.76836	0.71753	0.69354	0.16285			
3605097.54		1.07564	1.27743	1.45778	1.52054	1.36073
1.28138	1.09332	0.52902	0.07786			
3604847.54		1.03135	1.32149	1.70130	2.08203	2.31079
2.28034	1.32943	0.85379	0.16938			
3604597.54		0.93064	1.22744	1.63439	2.26634	3.10588
3.70493	3.51576	0.82733	0.20859			
3604347.54		0.86594	1.07322	1.36168	1.94937	3.04234
4.77963	6.69359	6.40707	1.37942			
3604097.54		0.72035	0.94638	1.29443	1.81056	2.45548
3.93252	7.87392	16.41921	15.04975			
3603847.54		0.70368	0.79538	1.03085	1.32162	1.95490
3.07615	5.61222	11.80244	66.68122			
3603597.54		0.65291	0.77732	0.95034	1.24482	1.61214
2.38042	4.18100	7.43090	21.37385			
3603347.54		0.59715	0.72997	0.87069	1.15896	1.62720
2.08250	2.93779	4.72509	9.60244			
3603097.54		0.57585	0.70300	0.86620	1.06777	1.27996
1.58024	2.28957	3.34669	4.83647			
3602847.54		0.56909	0.68073	0.76410	0.87228	1.04957
1.33970	1.82802	2.42183	2.89695			
3602597.54		0.52240	0.55108	0.63696	0.77589	0.93151
1.16666	1.47123	1.74378	2.05705			
3602347.54		0.42576	0.48290	0.57208	0.69559	0.83938
0.97689	1.16613	1.32926	1.50498			
3602097.54		0.38185	0.43785	0.52839	0.61976	0.72305
0.83119	0.95527	1.05285	1.15084			
3601847.54		0.36003	0.41709	0.49426	0.55492	0.62559
0.71344	0.79903	0.85811	0.93070			
3601597.54		0.34273	0.39519	0.44938	0.49555	0.55367
0.61927	0.67577	0.72766	0.76415			
3601347.54		0.32620	0.36927	0.40821	0.45188	0.50127
0.54104	0.58706	0.61902	0.65439			
3601097.54		0.31140	0.34278	0.37501	0.41296	0.45101
0.47990	0.50696	0.54145	0.57132			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS1
INCLUDING SOURCE(S): AS1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509368.86
510118.86	509618.86
510368.86	
510618.86	

3606097.54		0.03175	0.03352	0.01980	0.03489	0.01874
0.01222	0.01092	0.01047	0.00895			
3605847.54		0.08536	0.12226	0.02942	0.13294	0.02503
0.01932	0.01364	0.01232	0.01031			
3605597.54		0.39620	0.19784	0.12778	0.12810	0.08654
0.04705	0.01801	0.01232	0.01094			
3605347.54		0.10224	0.25523	0.18875	0.18319	0.19580
0.03152	0.02056	0.01465	0.01464			
3605097.54		0.06003	0.06375	0.04903	0.03391	0.04076
0.08479	0.02449	0.02051	0.01501			
3604847.54		0.07629	0.04615	0.03847	0.03160	0.02915
0.02818	0.03510	0.03078	0.02286			
3604597.54		0.12137	0.07845	0.05146	0.04074	0.03151
0.02605	0.02862	0.03008	0.03628			
3604347.54		0.39663	0.20475	0.09843	0.08786	0.04724
0.03725	0.02913	0.02686	0.02697			
3604097.54		9.94044	1.35990	0.36294	0.16211	0.10008
0.05439	0.04222	0.03814	0.03150			
3603847.54		44.36118	4.69710	1.79022	0.78923	0.26416
0.13415	0.09214	0.07922	0.05146			
3603597.54		10.55781	2.71032	1.48444	1.05665	0.71553
0.47059	0.29711	0.23108	0.12573			
3603347.54		12.77778	1.71221	0.55571	0.85771	1.65802
0.62160	0.94688	0.49254	0.21328			
3603097.54		6.40597	5.35366	0.79844	2.51348	2.03553
1.33839	1.18191	0.36123	0.19578			
3602847.54		3.18953	3.03553	3.09962	2.03242	1.58518
1.28264	1.13514	0.81539	0.16449			
3602597.54		2.15265	2.07322	2.01916	1.63410	1.38684
1.16813	0.98759	0.53724	0.12495			
3602347.54		1.62130	1.55496	1.45554	1.35467	1.22157
0.96947	0.85617	0.76712	0.52381			
3602097.54		1.22332	1.21160	1.13106	1.09921	1.03849
0.89595	0.75415	0.62024	0.58469			
3601847.54		0.97028	0.97006	0.95612	0.90836	0.86006
0.77071	0.71686	0.61659	0.53338			
3601597.54		0.80173	0.82954	0.79904	0.76604	0.70827
0.67729	0.62007	0.58862	0.48206			
3601347.54		0.67424	0.70558	0.68025	0.65888	0.59098
0.58890	0.56668	0.50748	0.42074			
3601097.54		0.58262	0.59872	0.58694	0.56841	0.52680
0.51259	0.50041	0.42505	0.42377			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS1
INCLUDING SOURCE(S): AS1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

Otay Hills Quarry AERMOD Output File (HRA)

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-----
3606097.54 |      0.00807      0.00719
3605847.54 |      0.00881      0.00788
3605597.54 |      0.01007      0.00916
3605347.54 |      0.01291      0.01031
3605097.54 |      0.01273      0.01224
3604847.54 |      0.01763      0.01835
3604597.54 |      0.03213      0.01845
3604347.54 |      0.02208      0.01922
3604097.54 |      0.02618      0.02268
3603847.54 |      0.04199      0.03771
3603597.54 |      0.09127      0.06351
3603347.54 |      0.10480      0.08370
3603097.54 |      0.13144      0.09946
3602847.54 |      0.11526      0.12119
3602597.54 |      0.11777      0.14510
3602347.54 |      0.29533      0.37812
3602097.54 |      0.52747      0.47627
3601847.54 |      0.46441      0.42048
3601597.54 |      0.45172      0.37832
3601347.54 |      0.39251      0.37145
3601097.54 |      0.35337      0.34781

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs:      RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS1 ***
INCLUDING SOURCE(S):      AS1 ,

*** DISCRETE CARTESIAN RECEPTOR
POINTS ***

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

X-COORD (M)      Y-COORD (M)      CONC          X-COORD (M)
Y-COORD (M)      CONC
-----
508226.78      3603955.63      28.40157      507708.67
3603932.32      4.18022
506203.59      3603369.23      0.52922      507919.87
3604794.52      1.17943
507037.89      3604916.08      1.88011

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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PAGE 46
*** MODELOPTs:      RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS2 ***
INCLUDING SOURCE(S):      AS2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS) |      504118.86      504368.86      504618.86      504868.86      505118.86
505368.86      505618.86      505868.86      506118.86
-----
3606097.54 |      0.26483      0.29842      0.33822      0.39046      0.42298
0.49520      0.53292      0.53398      0.49534
3605847.54 |      0.26008      0.29679      0.33737      0.40313      0.46775
0.52853      0.58484      0.64068      0.61341
3605597.54 |      0.24966      0.28262      0.33683      0.40148      0.46677
0.54060      0.62373      0.71659      0.79680
3605347.54 |      0.27931      0.28842      0.30640      0.34279      0.43070
0.51652      0.61199      0.73443      0.85863
3605097.54 |      0.27967      0.31012      0.34188      0.34912      0.38476
0.44847      0.57815      0.69423      0.84223
3604847.54 |      0.26737      0.29686      0.32238      0.35908      0.43296
0.43891      0.49932      0.64265      0.77311
3604597.54 |      0.25070      0.27740      0.31190      0.36272      0.43095
0.44496      0.52226      0.56499      0.69996
3604347.54 |      0.23673      0.25956      0.29092      0.33167      0.38611
0.45125      0.52957      0.60559      0.62969
3604097.54 |      0.22096      0.25014      0.27416      0.30709      0.35008
0.40487      0.49230      0.56884      0.60941
3603847.54 |      0.20451      0.22817      0.26197      0.28922      0.33302
0.38569      0.43597      0.48262      0.56882
3603597.54 |      0.19070      0.20914      0.23706      0.26474      0.29179
0.33519      0.37394      0.42204      0.49682
3603347.54 |      0.17991      0.19883      0.22125      0.24367      0.27125
0.30464      0.34569      0.39662      0.47504
3603097.54 |      0.17270      0.18857      0.20656      0.23681      0.25683
0.28495      0.33323      0.37764      0.45672
3602847.54 |      0.16595      0.18160      0.20370      0.22296      0.24708
0.27696      0.32556      0.37319      0.45039
3602597.54 |      0.16207      0.17751      0.19856      0.21991      0.24566
0.27806      0.32360      0.37023      0.43518
3602347.54 |      0.16016      0.17535      0.19301      0.21362      0.24280
0.27882      0.31531      0.34971      0.38336
3602097.54 |      0.15849      0.17402      0.19277      0.21282      0.23726
0.25883      0.28079      0.30717      0.33020
3601847.54 |      0.15821      0.17278      0.18703      0.20208      0.21884
0.23222      0.25042      0.27304      0.30603
3601597.54 |      0.15504      0.16590      0.17526      0.18520      0.19572
0.21064      0.22922      0.25580      0.29141
3601347.54 |      0.14709      0.15381      0.16096      0.16973      0.18296
0.19889      0.21940      0.24631      0.27757
3601097.54 |      0.13645      0.14237      0.15070      0.16314      0.17641
0.19392      0.21392      0.24108      0.26994

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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PAGE 47
*** MODELOPTs:      RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS2 ***
INCLUDING SOURCE(S):      AS2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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Otay Hills Quarry AERMOD Output File (HRA)

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**
** CONC OF TAC      IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) |
507618.86 507868.86 506368.86 506618.86 506868.86 507118.86 507368.86
-----
3606097.54 | 0.50467 0.52471 0.50495 0.53191 0.45576
0.33003 | 0.14957 0.12980 0.04548
3605847.54 | 0.59965 0.61132 0.65242 0.64877 0.53524
0.38773 | 0.30103 0.32357 0.11906
3605597.54 | 0.76321 0.74764 0.75382 0.78907 0.80861
0.50753 | 0.33985 0.58590 0.55463
3605347.54 | 0.98006 1.06031 0.96865 0.95002 0.91532
0.82317 | 0.73869 0.70744 0.20155
3605097.54 | 1.02196 1.22929 1.42943 1.52677 1.39802
1.34332 | 1.17552 0.64278 0.08494
3604847.54 | 0.97341 1.23841 1.60509 2.01602 2.33137
2.42096 | 1.73539 1.02046 0.20155
3604597.54 | 0.88709 1.15735 1.51907 2.08741 2.93311
3.80090 | 3.86403 1.18086 0.24088
3604347.54 | 0.81936 1.01232 1.28207 1.80546 2.75464
4.28408 | 6.51325 7.10505 2.04439
3604097.54 | 0.68842 0.89216 1.20092 1.65361 2.21953
3.47675 | 6.68373 14.10901 19.92453
3603847.54 | 0.66360 0.75175 0.96322 1.22618 1.76820
2.69789 | 4.68188 9.11718 36.55812
3603597.54 | 0.61893 0.73206 0.88857 1.15191 1.47835
2.14473 | 3.64113 6.12379 15.41319
3603347.54 | 0.56828 0.69193 0.82084 1.08421 1.50293
1.88213 | 2.61299 4.08244 7.99050
3603097.54 | 0.55147 0.67022 0.81718 0.99408 1.18629
1.45516 | 2.06543 2.99695 4.30618
3602847.54 | 0.54408 0.64558 0.72128 0.82350 0.98225
1.24136 | 1.68354 2.21758 2.67110
3602597.54 | 0.49925 0.52669 0.60776 0.73421 0.87404
1.09213 | 1.37116 1.63199 1.92291
3602347.54 | 0.41032 0.46377 0.54583 0.65879 0.79253
0.92486 | 1.09999 1.25978 1.42542
3602097.54 | 0.36853 0.42065 0.50451 0.59013 0.68950
0.79103 | 0.90962 1.00578 1.10095
3601847.54 | 0.34739 0.40070 0.47298 0.53214 0.60016
0.68219 | 0.76601 0.82444 0.89504
3601597.54 | 0.33073 0.38012 0.43232 0.47782 0.53233
0.59517 | 0.65118 0.70111 0.73859
3601347.54 | 0.31501 0.35639 0.39474 0.43641 0.48259
0.52245 | 0.56731 0.59859 0.63387
3601097.54 | 0.30134 0.33222 0.36364 0.39906 0.43553
0.46488 | 0.49158 0.52469 0.55434

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS2 ***
INCLUDING SOURCE(S): AS2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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**
** CONC OF TAC      IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) |
509868.86 510118.86 508618.86 508868.86 509118.86 509368.86 509618.86
-----
3606097.54 | 0.03305 0.03488 0.02081 0.03724 0.01933
0.01294 | 0.01132 0.01085 0.00931
3605847.54 | 0.10020 0.13949 0.03071 0.15028 0.02615
0.01982 | 0.01427 0.01293 0.01067
3605597.54 | 0.56427 0.22667 0.14989 0.14764 0.09847
0.05285 | 0.01873 0.01282 0.01141
3605347.54 | 0.12079 0.30007 0.22175 0.21375 0.22480
0.03336 | 0.02144 0.01532 0.01507
3605097.54 | 0.06396 0.06884 0.05158 0.03566 0.04362
0.10169 | 0.02593 0.02123 0.01567
3604847.54 | 0.08337 0.04950 0.04214 0.03394 0.03120
0.02964 | 0.03719 0.03270 0.02393
3604597.54 | 0.13557 0.08595 0.05605 0.04442 0.03366
0.02794 | 0.03037 0.03194 0.03929
3604347.54 | 0.47590 0.23184 0.11267 0.09679 0.05173
0.04004 | 0.03107 0.02897 0.02898
3604097.54 | 12.59898 2.04882 0.46324 0.19039 0.11431
0.06045 | 0.04609 0.04143 0.03396
3603847.54 | 240.04486 8.30262 2.61391 1.04006 0.32557
0.15902 | 0.10650 0.08963 0.05749
3603597.54 | 12.29200 2.35555 1.50033 1.15754 0.78959
0.51662 | 0.32631 0.25393 0.13838
3603347.54 | 11.45852 1.99871 0.52745 0.83703 1.84715
0.65615 | 1.07217 0.55007 0.22483
3603097.54 | 5.89325 5.15122 0.91379 2.70288 2.06452
1.40885 | 1.24042 0.37709 0.20055
3602847.54 | 2.99626 2.92208 2.98689 2.04214 1.59441
1.39422 | 1.14019 0.84861 0.16251
3602597.54 | 2.04562 2.01502 1.95318 1.61410 1.39211
1.17780 | 1.00017 0.59340 0.12471
3602347.54 | 1.54607 1.51617 1.42072 1.31762 1.21421
0.97445 | 0.86086 0.78445 0.56245
3602097.54 | 1.17636 1.18419 1.10925 1.07453 1.01671
0.89536 | 0.79707 0.65641 0.58677
3601847.54 | 0.93782 0.95009 0.93701 0.89053 0.84057
0.76375 | 0.71741 0.64351 0.53573
3601597.54 | 0.77698 0.81034 0.78512 0.75131 0.69673
0.66462 | 0.61828 0.59001 0.48406
3601347.54 | 0.65512 0.68946 0.66946 0.64686 0.58397
0.57851 | 0.55888 0.50780 0.42338
3601097.54 | 0.56683 0.58604 0.57811 0.55948 0.51957
0.50571 | 0.49157 0.42482 0.42462

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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PAGE 49
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS2 ***
INCLUDING SOURCE(S): AS2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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Otay Hills Quarry AERMOD Output File (HRA)

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**          ** CONC OF TAC          IN MICROGRAMS/M**3
          Y-COORD |          X-COORD (METERS)
          (METERS) |          510868.86          511118.86
-----
3606097.54 |          0.00833          0.00745
3605847.54 |          0.00918          0.00817
3605597.54 |          0.01043          0.00939
3605347.54 |          0.01334          0.01076
3605097.54 |          0.01337          0.01274
3604847.54 |          0.01832          0.01916
3604597.54 |          0.03416          0.01924
3604347.54 |          0.02367          0.02032
3604097.54 |          0.02809          0.02421
3603847.54 |          0.04642          0.04130
3603597.54 |          0.10016          0.06978
3603347.54 |          0.11210          0.08934
3603097.54 |          0.13546          0.10373
3602847.54 |          0.11471          0.12247
3602597.54 |          0.11576          0.14577
3602347.54 |          0.32642          0.40256
3602097.54 |          0.53152          0.48155
3601847.54 |          0.46547          0.42168
3601597.54 |          0.45412          0.37936
3601347.54 |          0.39450          0.37298
3601097.54 |          0.35546          0.34913

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs:      RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: AS2 ***
          INCLUDING SOURCE(S): AS2 ,

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*** DISCRETE CARTESIAN RECEPTOR

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POINTS ***

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**          ** CONC OF TAC          IN MICROGRAMS/M**3
          X-COORD (M) Y-COORD (M)          CONC          X-COORD (M)
          Y-COORD (M) CONC
-----
          508226.78          3603955.63          20.42576          507708.67
3603932.32          3.60447
          506203.59          3603369.23          0.50461          507919.87
3604794.52          1.61997
          507037.89          3604916.08          1.82639

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs:      RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP1 ***
          INCLUDING SOURCE(S): CBP1 ,
          *** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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**          ** CONC OF TAC          IN MICROGRAMS/M**3
          Y-COORD |          X-COORD (METERS)
          (METERS) |          504118.86          504368.86          504618.86          504868.86          505118.86
505368.86          505618.86          505868.86          506118.86
-----
3606097.54 |          0.27056          0.30679          0.35112          0.41194          0.44907
0.53844          0.58599          0.58858          0.53895
3605847.54 |          0.26645          0.30530          0.34874          0.42365          0.49854
0.57095          0.63994          0.71088          0.67564
3605597.54 |          0.25740          0.29159          0.35046          0.42065          0.49246
0.57671          0.67578          0.79069          0.89424
3605347.54 |          0.29404          0.30205          0.31832          0.35502          0.45286
0.54584          0.65211          0.79511          0.95002
3605097.54 |          0.29153          0.32542          0.36093          0.36610          0.40281
0.47146          0.61660          0.74233          0.90999
3604847.54 |          0.27520          0.30664          0.33392          0.37397          0.45719
0.46029          0.52624          0.69332          0.83652
3604597.54 |          0.25825          0.28590          0.32187          0.37538          0.44658
0.46188          0.54711          0.58831          0.74578
3604347.54 |          0.24378          0.26759          0.30063          0.34375          0.40131
0.46980          0.55221          0.63445          0.64882
3604097.54 |          0.22554          0.25612          0.28102          0.31545          0.36073
0.41863          0.50934          0.59161          0.63415
3603847.54 |          0.20742          0.23189          0.26680          0.29499          0.34002
0.39374          0.44666          0.49641          0.58710
3603597.54 |          0.19511          0.21441          0.24395          0.27319          0.30187
0.34806          0.38957          0.44095          0.52213
3603347.54 |          0.18547          0.20543          0.22911          0.25274          0.28196
0.31761          0.36197          0.41795          0.50537
3603097.54 |          0.17784          0.19455          0.21368          0.24642          0.26844
0.29956          0.35354          0.40359          0.49287
3602847.54 |          0.17169          0.18879          0.21306          0.23420          0.26053
0.29330          0.34771          0.40181          0.48530
3602597.54 |          0.16905          0.18558          0.20825          0.23146          0.26009
0.29634          0.34496          0.38836          0.44158
3602347.54 |          0.16688          0.18335          0.20294          0.22570          0.25653
0.29095          0.32100          0.34804          0.38151
3602097.54 |          0.16593          0.18292          0.20236          0.22098          0.24178
0.25863          0.27869          0.30889          0.34113
3601847.54 |          0.16529          0.17884          0.19049          0.20231          0.21703
0.23153          0.25428          0.28299          0.32190
3601597.54 |          0.15795          0.16646          0.17393          0.18376          0.19648
0.21517          0.23771          0.26805          0.30774
3601347.54 |          0.14624          0.15236          0.16043          0.17145          0.18752
0.20610          0.22908          0.25881          0.29254
3601097.54 |          0.13546          0.14267          0.15295          0.16745          0.18255
0.20184          0.22383          0.25309          0.28215

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs:      RegDFAULT CONC ELEV RURAL ADJ_U*

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Otay Hills Quarry AERMOD Output File (HRA)

*** THE ANNUAL AVERAGE CONCENTRATION
3 YEARS FOR SOURCE GROUP: CBP1

INCLUDING SOURCE(S): CBP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	506368.86	506618.86	506868.86	X-COORD (METERS)	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54		0.55047	0.57866	0.55703	0.56607	0.40616
0.32764		0.11778	0.10250	0.04297		
3605847.54		0.65943	0.67446	0.73319	0.72834	0.52140
0.37518		0.25235	0.29469	0.09744		
3605597.54		0.85201	0.83402	0.84274	0.89825	0.83653
0.46625		0.27959	0.64439	0.62641		
3605347.54		1.11013	1.22547	1.10212	1.07913	1.04002
0.92428		0.84649	0.81220	0.15329		
3605097.54		1.12905	1.40313	1.68791	1.84897	1.67426
1.61244		1.35712	0.52360	0.08604		
3604847.54		1.05828	1.36644	1.83721	2.42753	2.91227
2.97659		1.53822	0.89503	0.18042		
3604597.54		0.96763	1.28258	1.69661	2.38514	3.56927
4.82988		4.88556	0.85995	0.25105		
3604347.54		0.86333	1.07904	1.39202	2.04546	3.21707
5.26048		9.46564	11.32410	1.44087		
3604097.54		0.70857	0.93399	1.28035	1.79067	2.43093
3.99323		8.43272	22.73402	53.29386		
3603847.54		0.68660	0.76915	0.99636	1.26732	1.88015
2.95063		5.35610	11.41827	62.74962		
3603597.54		0.65457	0.78166	0.96069	1.27127	1.67936
2.54987		4.20351	7.23863	15.72461		
3603347.54		0.61127	0.75451	0.91377	1.22391	1.62880
1.95259		3.01288	4.48417	7.29789		
3603097.54		0.60110	0.73348	0.87241	1.01094	1.23171
1.64242		2.27884	3.02830	3.98999		
3602847.54		0.57245	0.65038	0.72158	0.86565	1.08942
1.35395		1.74684	2.17494	2.49161		
3602597.54		0.49308	0.53391	0.64267	0.80117	0.94938
1.13532		1.39472	1.57458	1.82238		
3602347.54		0.42079	0.49097	0.58953	0.71091	0.82787
0.94442		1.09506	1.21419	1.35778		
3602097.54		0.38911	0.45002	0.54045	0.61710	0.70475
0.80186		0.89520	0.97199	1.05162		
3601847.54		0.36904	0.42648	0.49570	0.54402	0.61007
0.68471		0.75123	0.79903	0.86038		
3601597.54		0.35019	0.39819	0.44340	0.48503	0.53977
0.59227		0.63835	0.68306	0.71232		
3601347.54		0.32965	0.36647	0.40058	0.44349	0.48736
0.51714		0.55756	0.58432	0.61502		
3601097.54		0.31054	0.33744	0.36858	0.40543	0.43700
0.45946		0.48349	0.51371	0.54046		

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
3 YEARS FOR SOURCE GROUP: CBP1

INCLUDING SOURCE(S): CBP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	508618.86	508868.86	509118.86	X-COORD (METERS)	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.03274	0.03328	0.02066	0.03511	0.01884
0.01297		0.01138	0.01068	0.00900		
3605847.54		0.07709	0.11258	0.03119	0.13303	0.02606
0.01954		0.01396	0.01221	0.01026		
3605597.54		0.39156	0.18535	0.12086	0.12426	0.08947
0.03857		0.01734	0.01227	0.01127		
3605347.54		0.09784	0.23935	0.18547	0.19578	0.15892
0.03001		0.01934	0.01560	0.01497		
3605097.54		0.06562	0.07041	0.05140	0.03510	0.03862
0.08476		0.02706	0.02153	0.01583		
3604847.54		0.08401	0.05302	0.04316	0.03198	0.03007
0.03115		0.03765	0.03178	0.02475		
3604597.54		0.13865	0.08757	0.05304	0.04454	0.03441
0.03086		0.03273	0.03393	0.04098		
3604347.54		0.51681	0.19197	0.12227	0.10104	0.05754
0.04209		0.03325	0.03238	0.03305		
3604097.54		11.14163	1.94213	0.60852	0.25174	0.14208
0.07145		0.05238	0.04604	0.03715		
3603847.54		36.66128	6.91148	2.58982	1.15102	0.41640
0.19870		0.12911	0.10636	0.06672		
3603597.54		5.40762	1.18297	0.84729	0.86396	0.66387
0.46375		0.31126	0.24915	0.14565		
3603347.54		8.19739	1.22966	0.35334	0.57910	1.24639
0.51017		0.80547	0.44993	0.20709		
3603097.54		4.76884	4.03909	0.62732	2.06897	1.72976
1.06138		0.97934	0.30791	0.17596		
3602847.54		2.62298	2.50534	2.50479	1.79440	1.42641
1.13756		1.00310	0.67622	0.13540		
3602597.54		1.84246	1.76691	1.74071	1.44292	1.26055
1.06770		0.90401	0.46566	0.10790		
3602347.54		1.43273	1.35834	1.28410	1.20434	1.11169
0.89871		0.79698	0.68743	0.46909		
3602097.54		1.09980	1.07813	1.01162	0.99106	0.94529
0.83059		0.67683	0.55597	0.55182		
3601847.54		0.88460	0.87545	0.86792	0.82868	0.78688
0.71484		0.67151	0.56407	0.50636		
3601597.54		0.73999	0.75995	0.73261	0.70515	0.65380
0.62789		0.58286	0.55518	0.46004		
3601347.54		0.62817	0.65293	0.62886	0.61116	0.54879
0.54845		0.53192	0.48129	0.40022		
3601097.54		0.54730	0.55824	0.54644	0.53056	0.49246
0.48041		0.46983	0.40121	0.40440		

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

Otay Hills Quarry AERMOD Output File (HRA)

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP1 ***
INCLUDING SOURCE(S): CBP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	CONC	X-COORD (METERS)
3606097.54	0.00810	0.00728
3605847.54	0.00894	0.00810
3605597.54	0.01039	0.00902
3605347.54	0.01307	0.01104
3605097.54	0.01417	0.01376
3604847.54	0.01904	0.01934
3604597.54	0.03548	0.02028
3604347.54	0.02601	0.02175
3604097.54	0.03038	0.02599
3603847.54	0.05296	0.04634
3603597.54	0.10717	0.07486
3603347.54	0.10709	0.08714
3603097.54	0.12266	0.09608
3602847.54	0.09799	0.10929
3602597.54	0.09838	0.12435
3602347.54	0.26312	0.32957
3602097.54	0.49902	0.44875
3601847.54	0.44226	0.40223
3601597.54	0.43071	0.36231
3601347.54	0.37658	0.35658
3601097.54	0.33800	0.33510

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** *** 05/16/19 ***
*** 16:35:25 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP1 ***
INCLUDING SOURCE(S): CBP1 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	30.11202	507708.67
3603932.32	3.98706		
506203.59	3603369.23	0.53788	507919.87
3604794.52	1.30861		
507037.89	3604916.08	2.18240	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
*** 05/16/19 ***

*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP2 ***
INCLUDING SOURCE(S): CBP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	CONC	X-COORD (METERS)
505368.86	0.26299	0.29799
505618.86	0.58129	0.54830
505868.86	0.25946	0.29611
506118.86	0.62633	0.70205
	0.25220	0.28454
	0.64998	0.76651
	0.28685	0.29507
	0.62233	0.75753
	0.28286	0.31566
	0.45729	0.70780
	0.26657	0.29646
	0.50839	0.79915
	0.25071	0.27701
	0.52258	0.56257
	0.23668	0.25943
	0.45091	0.52817
	0.21875	0.24787
	0.48684	0.56308
	0.20139	0.22473
	0.42766	0.47360
	0.19002	0.20854
	0.33576	0.37485
	0.18088	0.20002
	0.34900	0.40190
	0.17350	0.18958
	0.29019	0.34151
	0.16772	0.18423
	0.33617	0.38742
	0.16526	0.18120
	0.33371	0.37493
	0.16318	0.17909
	0.28237	0.31118
	0.16231	0.17872
	0.25158	0.27066
	0.16172	0.17482
	0.22539	0.24691
	0.15467	0.16292
	0.20939	0.23080
	0.14336	0.14925
	0.20056	0.22247
	0.13284	0.13975
	0.19644	0.21743

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
*** 05/16/19 ***

Otay Hills Quarry AERMOD Output File (HRA)

*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: CBP2
 INCLUDING SOURCE(S): CBP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	506368.86	506618.86	506868.86	X-COORD (METERS)	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54	0.56212	0.58914	0.57521	0.60262	0.44475
0.34343	0.13202	0.11510	0.04526		
3605847.54	0.67165	0.69082	0.74874	0.76048	0.59361
0.40033	0.28537	0.32617	0.10561		
3605597.54	0.85092	0.84990	0.86713	0.92429	0.94016
0.53058	0.31357	0.66937	0.63843		
3605347.54	1.07731	1.21051	1.12213	1.11847	1.09096
1.00403	0.88423	0.84059	0.17409		
3605097.54	1.06654	1.33902	1.64738	1.86050	1.73306
1.71153	1.49955	0.62149	0.09296		
3604847.54	1.00074	1.27723	1.71361	2.31749	2.91930
3.11847	1.97067	1.04003	0.20654		
3604597.54	0.91739	1.20962	1.58273	2.18472	3.27426
4.77881	5.52851	1.17399	0.29648		
3604347.54	0.81319	1.00920	1.29274	1.87769	2.91551
4.62332	8.49903	12.86381	2.03864		
3604097.54	0.67078	0.87555	1.18548	1.63406	2.18006
3.46646	6.95754	16.91168	77.23282		
3603847.54	0.64916	0.72523	0.93085	1.17339	1.70811
2.61344	4.55406	8.96864	34.72602		
3603597.54	0.62248	0.73920	0.90256	1.18348	1.54535
2.29745	3.67662	5.93117	12.73401		
3603347.54	0.58348	0.71669	0.86205	1.14408	1.50935
1.78113	2.66355	3.92616	6.45969		
3603097.54	0.57484	0.69798	0.82584	0.95179	1.14548
1.50267	2.07412	2.75749	3.65790		
3602847.54	0.54874	0.62212	0.68618	0.81522	1.01516
1.25942	1.61836	2.02784	2.33282		
3602597.54	0.47457	0.51084	0.61061	0.75559	0.89337
1.06838	1.30992	1.48974	1.72506		
3602347.54	0.40453	0.46955	0.56080	0.67453	0.78648
0.89499	1.04175	1.15873	1.29657		
3602097.54	0.37407	0.43095	0.51624	0.59032	0.67322
0.76520	0.85857	0.93332	1.01083		
3601847.54	0.35507	0.40951	0.47622	0.52305	0.58494
0.65799	0.72415	0.77092	0.83050		
3601597.54	0.33760	0.38399	0.42806	0.46744	0.51962
0.57226	0.61757	0.66120	0.69011		
3601347.54	0.31886	0.35489	0.38769	0.42810	0.47106
0.50162	0.54071	0.56741	0.59721		
3601097.54	0.30142	0.32763	0.35710	0.39232	0.42403
0.44683	0.47001	0.50000	0.52577		

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc 05/16/19

*** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: CBP2
 INCLUDING SOURCE(S): CBP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	508618.86	508868.86	509118.86	X-COORD (METERS)	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54	0.03420	0.03544	0.02125	0.03680	0.01966
0.01316	0.01163	0.01095	0.00919		
3605847.54	0.08652	0.12612	0.03207	0.14235	0.02665
0.02039	0.01438	0.01258	0.01051		
3605597.54	0.43738	0.20829	0.13248	0.13522	0.09675
0.04164	0.01804	0.01262	0.01154		
3605347.54	0.10760	0.27054	0.20287	0.20952	0.18270
0.03169	0.02002	0.01602	0.01541		
3605097.54	0.07080	0.07430	0.05478	0.03731	0.04131
0.09265	0.02815	0.02243	0.01637		
3604847.54	0.09413	0.05731	0.04601	0.03410	0.03151
0.03269	0.03968	0.03327	0.02572		
3604597.54	0.16107	0.09681	0.05834	0.04766	0.03651
0.03254	0.03447	0.03571	0.04371		
3604347.54	0.62371	0.23434	0.13764	0.11216	0.06244
0.04531	0.03562	0.03462	0.03499		
3604097.54	19.72980	2.67026	0.76421	0.29889	0.16335
0.07994	0.05766	0.05022	0.04016		
3603847.54	50.42752	8.43683	3.16991	1.37892	0.49280
0.23002	0.14653	0.11897	0.07352		
3603597.54	5.65601	1.13858	0.76869	0.88085	0.71089
0.49993	0.33398	0.26710	0.15684		
3603347.54	7.93010	1.34308	0.34007	0.57459	1.30156
0.52400	0.85401	0.48023	0.21692		
3603097.54	4.59313	4.01813	0.70307	2.22517	1.79472
1.12149	1.00342	0.31497	0.17770		
3602847.54	2.52151	2.46643	2.54280	1.83900	1.46730
1.19082	1.02580	0.70021	0.13207		
3602597.54	1.77829	1.73970	1.72282	1.44527	1.28835
1.09520	0.92449	0.49576	0.10847		
3602347.54	1.38490	1.33806	1.27214	1.18942	1.12316
0.91564	0.81285	0.72324	0.49531		
3602097.54	1.06693	1.06254	1.00059	0.98321	0.93827
0.84144	0.70901	0.58094	0.55874		
3601847.54	0.86032	0.86309	0.85708	0.82310	0.77804
0.71606	0.68011	0.58543	0.51341		
3601597.54	0.72083	0.74819	0.72418	0.69861	0.64970
0.62190	0.58700	0.56186	0.46592		
3601347.54	0.61285	0.64272	0.62221	0.60429	0.54668
0.54313	0.52964	0.48569	0.40455		
3601097.54	0.53451	0.54975	0.54090	0.52461	0.48943
0.47778	0.46497	0.40274	0.40805		

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc 05/16/19

Otay Hills Quarry AERMOD Output File (HRA)

*** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CBP2
 INCLUDING SOURCE(S): CBP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54	0.00826	0.00740
3605847.54	0.00914	0.00825
3605597.54	0.01064	0.00925
3605347.54	0.01341	0.01129
3605097.54	0.01466	0.01412
3604847.54	0.01964	0.02000
3604597.54	0.03754	0.02120
3604347.54	0.02726	0.02265
3604097.54	0.03251	0.02762
3603847.54	0.05773	0.05018
3603597.54	0.11548	0.08045
3603347.54	0.11207	0.09120
3603097.54	0.12455	0.09795
3602847.54	0.09594	0.10871
3602597.54	0.09676	0.12304
3602347.54	0.27719	0.34694
3602097.54	0.50618	0.45562
3601847.54	0.44657	0.40620
3601597.54	0.43626	0.36531
3601347.54	0.38097	0.36035
3601097.54	0.34126	0.33861

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CBP2
 INCLUDING SOURCE(S): CBP2 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	19.73086	507708.67
3603932.32	3.43743		

506203.59	3603369.23	0.51465	507919.87
3604794.52	1.73411		
507037.89	3604916.08	2.09634	

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CBP3
 INCLUDING SOURCE(S): CBP3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86

3606097.54	0.26685	0.30252	0.34645	0.40726	0.44534
0.53578	0.58530	0.59067	0.54392		
3605847.54	0.26312	0.30099	0.34343	0.41706	0.49125
0.56417	0.63501	0.70872	0.67769		
3605597.54	0.25492	0.28828	0.34565	0.41388	0.48378
0.56639	0.66486	0.78127	0.88888		
3605347.54	0.29106	0.29901	0.31493	0.35067	0.44601
0.53593	0.63883	0.77860	0.93327		
3605097.54	0.28780	0.32125	0.35636	0.36163	0.39778
0.46494	0.60609	0.72684	0.88800		
3604847.54	0.27142	0.30218	0.32886	0.36812	0.44974
0.45301	0.51787	0.68141	0.82006		
3604597.54	0.25498	0.28203	0.31715	0.36935	0.43871
0.45329	0.53611	0.57599	0.72947		
3604347.54	0.24071	0.26404	0.29639	0.33854	0.39472
0.46140	0.54139	0.62074	0.63370		
3604097.54	0.22257	0.25252	0.27685	0.31047	0.35461
0.41095	0.49912	0.57868	0.61937		
3603847.54	0.20478	0.22876	0.26293	0.29046	0.33440
0.38672	0.43811	0.48623	0.57390		
3603597.54	0.19292	0.21188	0.24087	0.26953	0.29757
0.34270	0.38314	0.43310	0.51191		
3603347.54	0.18351	0.20312	0.22636	0.24951	0.27812
0.31299	0.35633	0.41095	0.49610		
3603097.54	0.17599	0.19242	0.21123	0.24340	0.26501
0.29552	0.34835	0.39720	0.48422		
3602847.54	0.17001	0.18685	0.21074	0.23150	0.25734
0.28946	0.34274	0.39558	0.47696		
3602597.54	0.16745	0.18373	0.20603	0.22884	0.25696
0.29250	0.34010	0.38253	0.43454		
3602347.54	0.16532	0.18155	0.20083	0.22321	0.25348
0.28727	0.31675	0.34320	0.37569		
3602097.54	0.16440	0.18114	0.20028	0.21859	0.23906
0.25561	0.27522	0.30461	0.33584		
3601847.54	0.16378	0.17714	0.18862	0.20027	0.21473
0.22889	0.25105	0.27901	0.31692		
3601597.54	0.15657	0.16497	0.17232	0.18196	0.19439
0.21265	0.23468	0.26430	0.30304		

Otay Hills Quarry AERMOD Output File (HRA)

3601347.54		0.14503	0.15105	0.15896	0.16974	0.18548
0.20368	0.22617	0.25523	0.28828			
3601097.54		0.13436	0.14143	0.15151	0.16574	0.18055
0.19947	0.22100	0.24970	0.27836			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP3
*** INCLUDING SOURCE(S): CBP3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

				** CONC OF TAC		IN MICROGRAMS/M**3	
**							
Y-COORD		X-COORD (METERS)					
(METERS)		506368.86	506618.86	506868.86	507118.86	507368.86	
507618.86	507868.86	508118.86	508368.86				

3606097.54		0.55676	0.58517	0.56774	0.58387	0.42041
0.33264	0.12173	0.10657	0.04386			
3605847.54		0.66594	0.68324	0.74322	0.74711	0.55149
0.38233	0.26324	0.30622	0.09917			
3605597.54		0.85326	0.84265	0.85556	0.91422	0.88393
0.48700	0.28961	0.65627	0.63304			
3605347.54		1.09820	1.22329	1.11359	1.09903	1.06689
0.96571	0.86667	0.82886	0.15870			
3605097.54		1.10157	1.37717	1.67615	1.86487	1.70965
1.67115	1.42731	0.55695	0.08883			
3604847.54		1.03228	1.32579	1.78264	2.38536	2.93018
3.08725	1.70259	0.93750	0.19046			
3604597.54		0.94542	1.25022	1.64445	2.29136	3.43678
4.81741	5.16976	0.95814	0.27072			
3604347.54		0.84031	1.04666	1.34563	1.96922	3.07556
4.95053	9.06844	12.15466	1.66055			
3604097.54		0.69046	0.90688	1.23685	1.71806	2.31228
3.74089	7.69520	19.74003	68.66044			
3603847.54		0.66971	0.74842	0.96575	1.22225	1.79947
2.79095	4.96414	10.17926	46.36161			
3603597.54		0.64016	0.76263	0.93457	1.23139	1.61801
2.43238	3.94747	6.58585	14.28094			
3603347.54		0.59892	0.73748	0.89067	1.18749	1.57236
1.87248	2.84510	4.21306	6.90437			
3603097.54		0.58938	0.71744	0.85134	0.98402	1.19173
1.57680	2.18265	2.90179	3.83930			
3602847.54		0.56176	0.63741	0.70544	0.84236	1.05501
1.31002	1.68700	2.10813	2.41971			
3602597.54		0.48463	0.52354	0.62798	0.78010	0.92377
1.10452	1.35611	1.53603	1.77910			
3602347.54		0.41352	0.48128	0.57645	0.69441	0.80918
0.92173	1.07097	1.18914	1.33057			
3602097.54		0.38237	0.44141	0.52953	0.60508	0.69049
0.78525	0.87881	0.95466	1.03339			
3601847.54		0.36278	0.41886	0.48703	0.53465	0.59870
0.67277	0.73925	0.78654	0.84716			
3601597.54		0.34457	0.39189	0.43664	0.47717	0.53075
0.58346	0.62922	0.67355	0.70251			

3601347.54		0.32488	0.36139	0.39490	0.43667	0.48021
0.51038	0.55025	0.57703	0.60729			
3601097.54		0.30656	0.33317	0.36353	0.39967	0.43140
0.45403	0.47766	0.50789	0.53419			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CBP3
*** INCLUDING SOURCE(S): CBP3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

				** CONC OF TAC		IN MICROGRAMS/M**3	
**							
Y-COORD		X-COORD (METERS)					
(METERS)		508618.86	508868.86	509118.86	509368.86	509618.86	
509868.86	510118.86	510368.86	510618.86				

3606097.54		0.03332	0.03420	0.02089	0.03555	0.01921
0.01306	0.01149	0.01081	0.00909			
3605847.54		0.07996	0.11567	0.03147	0.13481	0.02622
0.01990	0.01415	0.01237	0.01038			
3605597.54		0.40400	0.19187	0.12341	0.12629	0.09111
0.03956	0.01765	0.01244	0.01139			
3605347.54		0.10044	0.24755	0.18890	0.19733	0.16592
0.03072	0.01963	0.01579	0.01516			
3605097.54		0.06802	0.07184	0.05272	0.03608	0.03974
0.08608	0.02749	0.02186	0.01604			
3604847.54		0.08890	0.05501	0.04444	0.03298	0.03073
0.03180	0.03837	0.03233	0.02516			
3604597.54		0.14812	0.09146	0.05546	0.04597	0.03538
0.03165	0.03349	0.03466	0.04185			
3604347.54		0.56047	0.21017	0.12887	0.10572	0.05975
0.04358	0.03436	0.03339	0.03394			
3604097.54		13.83494	2.16451	0.66653	0.27151	0.15138
0.07536	0.05480	0.04797	0.03852			
3603847.54		39.65106	7.55324	2.82022	1.24754	0.45096
0.21307	0.13712	0.11216	0.06988			
3603597.54		5.31120	1.14191	0.80419	0.87100	0.68350
0.47881	0.32106	0.25678	0.15076			
3603347.54		8.10102	1.26161	0.34358	0.57075	1.24677
0.51257	0.81467	0.45877	0.21109			
3603097.54		4.69721	4.03229	0.64677	2.12614	1.76024
1.07512	0.98182	0.30864	0.17636			
3602847.54		2.58347	2.49695	2.51458	1.82435	1.45114
1.15996	1.01389	0.68005	0.13325			
3602597.54		1.81628	1.75880	1.73730	1.45030	1.27881
1.08348	0.91502	0.47188	0.10769			
3602347.54		1.41346	1.35190	1.28217	1.20048	1.12162
0.90984	0.80664	0.69590	0.47615			
3602097.54		1.08612	1.07298	1.00856	0.98966	0.94507
0.83847	0.68759	0.56316	0.55636			
3601847.54		0.87435	0.87116	0.86465	0.82814	0.78434
0.71768	0.67743	0.57176	0.51090			
3601597.54		0.73195	0.75595	0.73007	0.70372	0.65309
0.62651	0.58652	0.55959	0.46402			

Otay Hills Quarry AERMOD Output File (HRA)

3601347.54	0.62175	0.64940	0.62694	0.60917	0.54876
0.54687	0.53224	0.48460	0.40301		
3601097.54	0.54201	0.55522	0.54485	0.52870	0.49196
0.47998	0.46842	0.40264	0.40704		

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CBP3
 INCLUDING SOURCE(S): CBP3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	510868.86	511118.86	

3606097.54	0.00818	0.00734
3605847.54	0.00905	0.00817
3605597.54	0.01051	0.00911
3605347.54	0.01322	0.01115
3605097.54	0.01435	0.01393
3604847.54	0.01932	0.01961
3604597.54	0.03623	0.02070
3604347.54	0.02659	0.02217
3604097.54	0.03136	0.02675
3603847.54	0.05520	0.04811
3603597.54	0.11108	0.07744
3603347.54	0.10943	0.08903
3603097.54	0.12341	0.09697
3602847.54	0.09679	0.10882
3602597.54	0.09707	0.12301
3602347.54	0.26576	0.33347
3602097.54	0.50327	0.45238
3601847.54	0.44533	0.40502
3601597.54	0.43420	0.36451
3601347.54	0.37952	0.35910
3601097.54	0.34013	0.33751

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CBP3
 INCLUDING SOURCE(S): CBP3 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
508226.78	3603955.63	24.39704	507708.67
3603932.32	3.72180		
506203.59	3603369.23	0.52764	507919.87
3604794.52	1.46216		
507037.89	3604916.08	2.15054	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CBP4
 INCLUDING SOURCE(S): CBP4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD				X-COORD (METERS)
(METERS)	504118.86	504368.86	504618.86	504868.86 505118.86
505368.86	505618.86	505868.86	506118.86	

3606097.54	0.26721	0.30324	0.34807	0.41024	0.45239
0.54561	0.59988	0.61042	0.57015		
3605847.54	0.26375	0.30084	0.34303	0.41604	0.49154
0.56824	0.64535	0.72661	0.70539		
3605597.54	0.25727	0.29011	0.34576	0.41240	0.48144
0.56454	0.66631	0.79069	0.91069		
3605347.54	0.29142	0.30063	0.31802	0.35412	0.44661
0.53453	0.63590	0.77676	0.93900		
3605097.54	0.28572	0.31958	0.35546	0.36320	0.40144
0.46908	0.60790	0.72628	0.88466		
3604847.54	0.26871	0.29898	0.32554	0.36484	0.44610
0.45301	0.52081	0.68369	0.82397		
3604597.54	0.25295	0.27962	0.31417	0.36552	0.43424
0.44801	0.52945	0.57297	0.72535		
3604347.54	0.23821	0.26130	0.29322	0.33480	0.39031
0.45632	0.53541	0.61257	0.62854		
3604097.54	0.21920	0.24846	0.27226	0.30510	0.34817
0.40314	0.49005	0.56733	0.60636		
3603847.54	0.20196	0.22546	0.25900	0.28597	0.32919
0.38081	0.43097	0.47763	0.56336		
3603597.54	0.19152	0.21033	0.23902	0.26738	0.29510
0.33971	0.37958	0.42897	0.50688		
3603347.54	0.18237	0.20172	0.22466	0.24758	0.27601
0.31084	0.35444	0.40971	0.49607		
3603097.54	0.17487	0.19135	0.21033	0.24270	0.26476
0.29575	0.34900	0.39878	0.48787		
3602847.54	0.16985	0.18690	0.21092	0.23182	0.25794
0.29077	0.34507	0.39764	0.47369		
3602597.54	0.16764	0.18396	0.20648	0.22987	0.25862
0.29374	0.33809	0.37409	0.41985		
3602347.54	0.16575	0.18245	0.20209	0.22406	0.25227
0.28212	0.30755	0.33297	0.36871		

Otay Hills Quarry AERMOD Output File (HRA)

3602097.54		0.16536	0.18171	0.19948	0.21545	0.23321
0.24844	0.26902	0.30106	0.33482			
3601847.54		0.16322	0.17499	0.18473	0.19517	0.20964
0.22524	0.24920	0.27851	0.31729			
3601597.54		0.15375	0.16115	0.16831	0.17862	0.19226
0.21163	0.23440	0.26454	0.30361			
3601347.54		0.14178	0.14808	0.15677	0.16844	0.18485
0.20348	0.22631	0.25564	0.28816			
3601097.54		0.13224	0.13997	0.15066	0.16531	0.18038
0.19953	0.22130	0.24970	0.27687			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CBP4
 INCLUDING SOURCE(S): CBP4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD		X-COORD (METERS)				
(METERS)		506368.86	506618.86	506868.86	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54		0.58342	0.60965	0.59256	0.61813	0.45630
0.35782	0.13306	0.11455	0.04557			
3605847.54		0.70222	0.72075	0.77781	0.78519	0.60396
0.41769	0.29078	0.33000	0.10906			
3605597.54		0.89001	0.89452	0.91140	0.96582	0.97255
0.54519	0.32539	0.69683	0.67162			
3605347.54		1.12172	1.27074	1.19091	1.18902	1.15414
1.03915	0.91979	0.87741	0.17643			
3605097.54		1.10087	1.39656	1.74204	1.98738	1.85518
1.81673	1.56065	0.64195	0.09534			
3604847.54		1.03442	1.32320	1.79047	2.47032	3.18677
3.44840	2.11082	1.12283	0.21010			
3604597.54		0.94256	1.25407	1.65470	2.29988	3.51254
5.37872	6.37370	1.21852	0.30999			
3604347.54		0.82761	1.03048	1.32822	1.94835	3.09410
5.03107	9.76451	16.35666	2.19792			
3604097.54		0.67895	0.88684	1.20374	1.66752	2.23946
3.60087	7.46854	19.78980	174.22285			
3603847.54		0.65701	0.73679	0.94856	1.20319	1.76378
2.74370	4.97764	10.09501	40.32432			
3603597.54		0.63484	0.75750	0.93201	1.23696	1.63849
2.40069	3.71372	6.49673	11.74378			
3603347.54		0.60106	0.74379	0.89885	1.17516	1.49616
1.83306	2.84110	3.97629	6.02005			
3603097.54		0.59397	0.71185	0.82021	0.94604	1.18564
1.58048	2.11202	2.71147	3.46701			
3602847.54		0.54629	0.61334	0.69025	0.84261	1.05813
1.28449	1.62572	1.97412	2.23545			
3602597.54		0.47102	0.51774	0.62906	0.78271	0.91207
1.07502	1.30164	1.45094	1.66355			
3602347.54		0.41119	0.48209	0.57808	0.68896	0.79097
0.89778	1.02746	1.13098	1.25681			

3602097.54		0.38293	0.44259	0.52717	0.59452	0.67532
0.76351	0.84426	0.91280	0.98376			
3601847.54		0.36358	0.41788	0.48040	0.52406	0.58640
0.65290	0.71187	0.75518	0.81055			
3601597.54		0.34417	0.38798	0.42882	0.46843	0.51933
0.56583	0.60761	0.64840	0.67517			
3601347.54		0.32251	0.35587	0.38790	0.42895	0.46886
0.49522	0.53251	0.55700	0.58529			
3601097.54		0.30266	0.32757	0.35763	0.39235	0.42068
0.44094	0.46340	0.49120	0.51601			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CBP4
 INCLUDING SOURCE(S): CBP4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD		X-COORD (METERS)				
(METERS)		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.03444	0.03471	0.02172	0.03756	0.01926
0.01358	0.01177	0.01080	0.00912			
3605847.54		0.08499	0.12796	0.03338	0.15151	0.02833
0.01993	0.01416	0.01234	0.01042			
3605597.54		0.46037	0.21087	0.13822	0.14572	0.09705
0.03952	0.01724	0.01253	0.01171			
3605347.54		0.10984	0.27804	0.21855	0.23306	0.16632
0.03010	0.02070	0.01618	0.01533			
3605097.54		0.07132	0.07845	0.05688	0.03662	0.03862
0.09979	0.02946	0.02258	0.01704			
3604847.54		0.09268	0.05755	0.04626	0.03321	0.03262
0.03318	0.04034	0.03373	0.02674			
3604597.54		0.16508	0.10017	0.05648	0.04857	0.03895
0.03433	0.03545	0.03701	0.04685			
3604347.54		0.71453	0.22308	0.14466	0.12640	0.06662
0.04930	0.03842	0.03673	0.03637			
3604097.54		29.08821	3.71281	0.93712	0.35031	0.18652
0.08907	0.06317	0.05452	0.04312			
3603847.54		30.38277	6.52653	2.91294	1.33811	0.50391
0.24289	0.15580	0.12652	0.07815			
3603597.54		5.46215	0.97228	0.63108	0.75706	0.64952
0.47389	0.32199	0.26122	0.15586			
3603347.54		6.77445	1.25875	0.31043	0.52665	1.21854
0.48774	0.81672	0.46611	0.20997			
3603097.54		4.13444	3.56662	0.66587	2.02963	1.64758
1.06131	0.94180	0.30047	0.16804			
3602847.54		2.34350	2.25288	2.33786	1.68316	1.35562
1.11682	0.96368	0.67064	0.12458			
3602597.54		1.68014	1.61719	1.59836	1.34709	1.19847
1.02551	0.87220	0.48539	0.10468			
3602347.54		1.32208	1.25798	1.19487	1.12146	1.05423
0.86258	0.76908	0.68884	0.48207			

Otay Hills Quarry AERMOD Output File (HRA)

3602097.54		1.02657	1.00777	0.94892	0.93102	0.89127
0.79614	0.67981	0.56124	0.53477			
3601847.54		0.83246	0.82447	0.81749	0.78379	0.74347
0.68338	0.64756	0.56300	0.49224			
3601597.54		0.70040	0.71855	0.69367	0.66948	0.62234
0.59787	0.56197	0.53790	0.44770			
3601347.54		0.59744	0.62007	0.59813	0.58190	0.52551
0.52351	0.51037	0.46660	0.38980			
3601097.54		0.52239	0.53245	0.52171	0.50679	0.47241
0.46093	0.45011	0.38915	0.39339			

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CBP4
 INCLUDING SOURCE(S): CBP4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00819	0.00741
3605847.54		0.00923	0.00820
3605597.54		0.01049	0.00922
3605347.54		0.01361	0.01173
3605097.54		0.01536	0.01450
3604847.54		0.01973	0.02015
3604597.54		0.04022	0.02262
3604347.54		0.02804	0.02313
3604097.54		0.03457	0.02916
3603847.54		0.06116	0.05301
3603597.54		0.11656	0.08199
3603347.54		0.10958	0.09009
3603097.54		0.11900	0.09437
3602847.54		0.09079	0.10351
3602597.54		0.09281	0.11809
3602347.54		0.27417	0.34053
3602097.54		0.48604	0.43887
3601847.54		0.42966	0.39177
3601597.54		0.42002	0.35297
3601347.54		0.36766	0.34830
3601097.54		0.33003	0.32768

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CBP4
 INCLUDING SOURCE(S): CBP4 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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

508226.78	3603955.63	23.53464	507708.67
3603932.32	3.57133		
506203.59	3603369.23	0.52769	507919.87
3604794.52	1.84367		
507037.89	3604916.08	2.22855	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR1
 INCLUDING SOURCE(S): CR1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504618.86	504868.86
505118.86	505618.86

3606097.54		0.26628	0.29789	0.33314	0.37466	0.40164
0.44944	0.47336	0.47235	0.44634			
3605847.54		0.26010	0.29538	0.33418	0.38894	0.44160
0.48867	0.52897	0.56431	0.54819			
3605597.54		0.24807	0.28083	0.32954	0.38736	0.44629
0.50982	0.57575	0.64154	0.69224			
3605347.54		0.26506	0.27923	0.30293	0.34206	0.41732
0.49538	0.58054	0.68015	0.77160			
3605097.54		0.26675	0.29410	0.32344	0.33952	0.37885
0.44125	0.55175	0.66029	0.79013			
3604847.54		0.25931	0.28688	0.31230	0.34688	0.40839
0.42854	0.49016	0.60982	0.73676			
3604597.54		0.24436	0.27077	0.30405	0.35083	0.41331
0.43405	0.50379	0.55951	0.67675			
3604347.54		0.23026	0.25307	0.28338	0.32214	0.37324
0.43507	0.50960	0.58357	0.63779			
3604097.54		0.21674	0.24385	0.26787	0.29980	0.34069
0.39237	0.47346	0.54666	0.60255			
3603847.54		0.20243	0.22516	0.25674	0.28384	0.32556
0.37639	0.42548	0.47517	0.55996			
3603597.54		0.18790	0.20601	0.23203	0.25865	0.28573
0.32664	0.36577	0.41498	0.48675			
3603347.54		0.17551	0.19338	0.21447	0.23628	0.26288
0.29498	0.33425	0.38274	0.45357			
3603097.54		0.16809	0.18347	0.20095	0.22825	0.24831
0.27545	0.31814	0.35946	0.42789			

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54		0.16133	0.17601	0.19589	0.21400	0.23645
0.26414	0.30655	0.34982	0.41717			
3602597.54		0.15606	0.17036	0.18937	0.20919	0.23295
0.26239	0.30288	0.34728	0.41275			
3602347.54		0.15347	0.16775	0.18423	0.20339	0.22973
0.26327	0.30092	0.34100	0.38120			
3602097.54		0.15165	0.16597	0.18339	0.20314	0.22824
0.25329	0.27916	0.30638	0.32582			
3601847.54		0.15103	0.16547	0.18097	0.19826	0.21727
0.23237	0.24896	0.26730	0.29496			
3601597.54		0.15007	0.16252	0.17402	0.18535	0.19569
0.20822	0.22350	0.24663	0.27901			
3601347.54		0.14553	0.15354	0.16101	0.16874	0.17966
0.19317	0.21157	0.23645	0.26611			
3601097.54		0.13627	0.14181	0.14881	0.15929	0.17085
0.18683	0.20555	0.23104	0.25925			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR1
 INCLUDING SOURCE(S): CR1
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507118.86
507868.86	507368.86
508118.86	
508368.86	

3606097.54		0.44884	0.45503	0.42880	0.44292	0.39120
0.37973	0.22799	0.19086	0.05773			
3605847.54		0.53476	0.53660	0.54905	0.52409	0.51244
0.46328	0.35614	0.42146	0.18984			
3605597.54		0.67362	0.65718	0.65263	0.65277	0.69058
0.59489	0.42932	0.48873	0.45938			
3605347.54		0.84924	0.88985	0.83411	0.81102	0.76098
0.65386	0.58994	0.56826	0.32752			
3605097.54		0.93106	1.06733	1.17054	1.19275	1.10919
1.01234	0.86431	0.88452	0.08896			
3604847.54		0.92013	1.14372	1.39702	1.61219	1.71667
1.73916	1.58925	1.26233	0.35732			
3604597.54		0.84028	1.08221	1.41243	1.85525	2.32660
2.65683	2.55890	1.66720	0.28755			
3604347.54		0.79995	0.98225	1.24140	1.69948	2.49618
3.52215	4.20826	3.79916	3.15173			
3604097.54		0.70476	0.89751	1.18101	1.59503	2.17202
3.31025	5.84096	8.91685	6.92286			
3603847.54		0.65980	0.77699	0.99159	1.29087	1.82846
2.78189	4.82216	10.37387	37.05492			
3603597.54		0.59772	0.70938	0.86589	1.11466	1.45625
2.08583	3.36242	6.34006	19.65873			
3603347.54		0.53850	0.64938	0.77035	0.99371	1.34838
1.81390	2.74754	4.32228	9.64637			
3603097.54		0.51072	0.61438	0.74807	0.93729	1.19130
1.47878	2.02631	3.27199	5.11360			

3602847.54		0.50300	0.60843	0.70827	0.82436	0.95465
1.20928	1.72294	2.40949	3.10023			
3602597.54		0.48762	0.52716	0.59846	0.69823	0.83584
1.08817	1.41895	1.78423	2.12930			
3602347.54		0.40871	0.45153	0.51981	0.62501	0.77159
0.94333	1.15046	1.36449	1.55374			
3602097.54		0.35671	0.40295	0.48055	0.57287	0.68895
0.80861	0.95127	1.07647	1.18934			
3601847.54		0.33228	0.38304	0.45485	0.52652	0.60592
0.69727	0.79730	0.87309	0.95193			
3601597.54		0.31647	0.36576	0.42285	0.47713	0.53671
0.60783	0.67463	0.73110	0.77931			
3601347.54		0.30306	0.34677	0.39016	0.43453	0.48357
0.53302	0.58218	0.61965	0.65927			
3601097.54		0.29198	0.32614	0.35996	0.39600	0.43590
0.47221	0.50314	0.53771	0.56939			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR1
 INCLUDING SOURCE(S): CR1
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509118.86
510118.86	509368.86
510368.86	509618.86
510618.86	

3606097.54		0.03557	0.04201	0.02179	0.05471	0.01998
0.01306	0.01098	0.01067	0.00928			
3605847.54		0.17398	0.20799	0.03473	0.22052	0.02828
0.02017	0.01436	0.01310	0.01080			
3605597.54		0.48254	0.33330	0.23769	0.21785	0.16353
0.09336	0.01955	0.01297	0.01136			
3605347.54		0.22814	0.59946	0.34468	0.31022	0.30939
0.04572	0.02402	0.01550	0.01465			
3605097.54		0.06153	0.08255	0.05269	0.03514	0.05995
0.19468	0.02885	0.02171	0.01574			
3604847.54		0.07681	0.04574	0.04113	0.03260	0.03308
0.03000	0.04388	0.03687	0.02563			
3604597.54		0.12065	0.07674	0.05191	0.04624	0.03155
0.02664	0.02910	0.03246	0.04499			
3604347.54		0.91463	0.21145	0.12865	0.09574	0.04574
0.03443	0.02849	0.02708	0.02648			
3604097.54		5.41209	4.57630	0.95003	0.17839	0.09348
0.04805	0.03717	0.03471	0.02943			
3603847.54		26.04476	9.99334	3.40998	1.48140	0.23455
0.10972	0.07750	0.06901	0.04542			
3603597.54		123.09113	7.73168	2.07520	1.30803	0.88210
0.54216	0.30875	0.24601	0.11795			
3603347.54		15.76048	6.28409	1.09548	1.73599	3.01414
1.06345	1.54978	0.88723	0.25027			
3603097.54		6.88465	5.87882	2.29733	3.05737	2.18310
1.94610	1.57724	0.60335	0.23284			

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54		3.62526	3.38276	3.42163	2.11790	1.60644
1.46745		1.18991	1.11838	0.21162		
3602597.54		2.37220	2.30095	2.09506	1.73298	1.39514
1.15966		0.99443	0.82667	0.17127		
3602347.54		1.71225	1.68758	1.53943	1.40376	1.22836
0.97594		0.84598	0.79267	0.71360		
3602097.54		1.28863	1.29546	1.20152	1.12683	1.04646
0.89549		0.90119	0.76468	0.57536		
3601847.54		1.01416	1.02764	0.98983	0.92622	0.86977
0.78037		0.70734	0.70360	0.52561		
3601597.54		0.82734	0.85407	0.82172	0.77838	0.72098
0.68382		0.62093	0.57883	0.47721		
3601347.54		0.69004	0.71792	0.69518	0.66640	0.60757
0.59317		0.56473	0.50553	0.42690		
3601097.54		0.58968	0.60782	0.59671	0.57444	0.53579
0.51577		0.49972	0.43782	0.42071		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR1
 INCLUDING SOURCE(S): CR1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00829	0.00742
3605847.54		0.00918	0.00801
3605597.54		0.01022	0.00927
3605347.54		0.01347	0.01077
3605097.54		0.01305	0.01195
3604847.54		0.01701	0.01882
3604597.54		0.03783	0.01910
3604347.54		0.02099	0.01784
3604097.54		0.02488	0.02189
3603847.54		0.03778	0.03441
3603597.54		0.08483	0.05861
3603347.54		0.10614	0.08284
3603097.54		0.14500	0.10609
3602847.54		0.13554	0.14010
3602597.54		0.15408	0.19627
3602347.54		0.49725	0.53022
3602097.54		0.52318	0.48400
3601847.54		0.45792	0.41332
3601597.54		0.44461	0.37511
3601347.54		0.39055	0.36581
3601097.54		0.35738	0.34247

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR1
 INCLUDING SOURCE(S): CR1 ,

*** DISCRETE CARTESIAN RECEPTOR

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

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	16.11232	507708.67
3603932.32	3.61863		
506203.59	3603369.23	0.48162	507919.87
3604794.52	1.68728		
507037.89	3604916.08	1.47117	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR2
 INCLUDING SOURCE(S): CR2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

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

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86

3606097.54		0.26604	0.29777	0.33328	0.37533	0.40272
0.45152		0.47614	0.47544	0.44920		
3605847.54		0.25982	0.29513	0.33401	0.38922	0.44247
0.49028		0.53144	0.56781	0.55177		
3605597.54		0.24790	0.28058	0.32938	0.38741	0.44661
0.51066		0.57752	0.64470	0.69690		
3605347.54		0.26543	0.27935	0.30277	0.34168	0.41719
0.49548		0.58110	0.68188	0.77510		
3605097.54		0.26710	0.29455	0.32392	0.33963	0.37870
0.44091		0.55178	0.66050	0.79123		
3604847.54		0.25936	0.28700	0.31243	0.34710	0.40902
0.42863		0.49002	0.60998	0.73657		
3604597.54		0.24428	0.27064	0.30392	0.35082	0.41355
0.43398		0.50397	0.55931	0.67684		
3604347.54		0.23023	0.25298	0.28325	0.32199	0.37310
0.43493		0.50948	0.58334	0.63655		
3604097.54		0.21664	0.24379	0.26776	0.29965	0.34052
0.39219		0.47341	0.54646	0.60138		

Otay Hills Quarry AERMOD Output File (HRA)

3603847.54		0.20222	0.22494	0.25654	0.28358	0.32530
0.37612	0.42508	0.47440	0.55895			
3603597.54		0.18772	0.20580	0.23182	0.25842	0.28540
0.32629	0.36524	0.41420	0.48578			
3603347.54		0.17546	0.19334	0.21445	0.23623	0.26281
0.29489	0.33413	0.38257	0.45351			
3603097.54		0.16810	0.18347	0.20094	0.22831	0.24831
0.27541	0.31822	0.35956	0.42830			
3602847.54		0.16134	0.17603	0.19597	0.21409	0.23658
0.26432	0.30694	0.35030	0.41799			
3602597.54		0.15615	0.17048	0.18956	0.20942	0.23324
0.26276	0.30341	0.34789	0.41338			
3602347.54		0.15363	0.16793	0.18444	0.20363	0.23006
0.26371	0.30131	0.34103	0.38066			
3602097.54		0.15182	0.16618	0.18364	0.20341	0.22847
0.25330	0.27883	0.30581	0.32524			
3601847.54		0.15123	0.16569	0.18112	0.19826	0.21708
0.23197	0.24852	0.26702	0.29494			
3601597.54		0.15020	0.16255	0.17390	0.18508	0.19535
0.20795	0.22338	0.24667	0.27917			
3601347.54		0.14547	0.15337	0.16076	0.16851	0.17953
0.19315	0.21165	0.23660	0.26628			
3601097.54		0.13611	0.14163	0.14867	0.15925	0.17090
0.18694	0.20570	0.23123	0.25942			

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR2
 INCLUDING SOURCE(S): CR2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF TAC				IN MICROGRAMS/M**3	
Y-COORD (METERS)				X-COORD (METERS)	
507618.86	507868.86	508118.86	508368.86	507118.86	507368.86
-	-	-	-	-	-

3606097.54		0.45187	0.45859	0.43279	0.44794	0.39495
0.38240	0.22646	0.18955	0.05712			
3605847.54		0.53855	0.54066	0.55415	0.53021	0.51834
0.46694	0.35614	0.42476	0.18782			
3605597.54		0.67844	0.66243	0.65818	0.65969	0.70007
0.60056	0.42925	0.49378	0.46397			
3605347.54		0.85500	0.89777	0.84178	0.81890	0.76997
0.66284	0.59677	0.57463	0.32469			
3605097.54		0.93432	1.07432	1.18224	1.20781	1.12326
1.02858	0.87853	0.75841	0.08902			
3604847.54		0.92036	1.14614	1.40550	1.63017	1.74403
1.77203	1.62171	1.27938	0.35005			
3604597.54		0.84039	1.08222	1.41317	1.86305	2.35369
2.71050	2.62251	1.68381	0.28438			
3604347.54		0.79949	0.98197	1.24054	1.69786	2.49880
3.55494	4.30629	3.92599	3.22388			
3604097.54		0.70245	0.89479	1.17820	1.59266	2.16818
3.30298	5.85328	9.18166	7.29303			

3603847.54		0.65818	0.77390	0.98734	1.28381	1.81772
2.76230	4.78172	10.26541	38.06368			
3603597.54		0.59679	0.70784	0.86334	1.11097	1.44909
2.07364	3.34218	6.28574	19.07032			
3603347.54		0.53848	0.64947	0.77007	0.99412	1.35048
1.81267	2.72644	4.27322	9.44443			
3603097.54		0.51148	0.61555	0.74958	0.93829	1.18785
1.46820	2.01789	3.24162	5.02660			
3602847.54		0.50417	0.60954	0.70769	0.82133	0.95147
1.20668	1.71493	2.38781	3.05907			
3602597.54		0.48766	0.52586	0.59687	0.69770	0.83533
1.08540	1.41131	1.76921	2.10821			
3602347.54		0.40772	0.45083	0.51974	0.62517	0.77080
0.93979	1.14428	1.35436	1.54104			
3602097.54		0.35645	0.40297	0.48074	0.57257	0.68739
0.80556	0.94649	1.06957	1.18098			
3601847.54		0.33242	0.38322	0.45492	0.52578	0.60425
0.69482	0.79365	0.86826	0.94632			
3601597.54		0.31666	0.36587	0.42259	0.47623	0.53532
0.60584	0.67183	0.72775	0.77530			
3601347.54		0.30320	0.34671	0.38971	0.43376	0.48253
0.53138	0.58013	0.61718	0.65645			
3601097.54		0.29204	0.32594	0.35951	0.39541	0.43504
0.47090	0.50153	0.53591	0.56739			

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR2
 INCLUDING SOURCE(S): CR2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF TAC				IN MICROGRAMS/M**3	
Y-COORD (METERS)				X-COORD (METERS)	
509868.86	510118.86	510368.86	510618.86	509368.86	509618.86
-	-	-	-	-	-

3606097.54		0.03547	0.04168	0.02179	0.05378	0.01999
0.01307	0.01101	0.01067	0.00929			
3605847.54		0.17152	0.20593	0.03453	0.21652	0.02820
0.02019	0.01439	0.01310	0.01080			
3605597.54		0.48721	0.32725	0.23500	0.21545	0.16153
0.09159	0.01951	0.01298	0.01137			
3605347.54		0.22382	0.60390	0.33887	0.30631	0.30687
0.04488	0.02395	0.01549	0.01468			
3605097.54		0.06180	0.08185	0.05277	0.03523	0.05896
0.19074	0.02868	0.02177	0.01578			
3604847.54		0.07736	0.04603	0.04133	0.03269	0.03304
0.02995	0.04353	0.03673	0.02562			
3604597.54		0.12178	0.07745	0.05230	0.04632	0.03168
0.02674	0.02916	0.03246	0.04463			
3604347.54		0.89092	0.21277	0.12789	0.09609	0.04605
0.03485	0.02874	0.02719	0.02660			
3604097.54		5.63059	4.68097	0.92468	0.17826	0.09485
0.04864	0.03769	0.03519	0.02978			

Otay Hills Quarry AERMOD Output File (HRA)

3603847.54		28.59764	10.33741	3.45455	1.47178	0.23901
0.11219	0.07905	0.07019	0.04612			
3603597.54		109.92930	7.40011	2.08943	1.32051	0.88884
0.54713	0.31273	0.24817	0.11977			
3603347.54		15.23904	5.97956	1.04698	1.67767	2.97643
1.04259	1.54096	0.87410	0.24976			
3603097.54		6.76968	5.80371	2.21034	3.04777	2.17066
1.93200	1.57056	0.59119	0.23173			
3602847.54		3.56985	3.34139	3.40028	2.11018	1.60230
1.46354	1.18525	1.11121	0.20918			
3602597.54		2.34438	2.27729	2.07959	1.72356	1.39284
1.15890	0.99379	0.81795	0.16821			
3602347.54		1.69695	1.67330	1.52882	1.39543	1.22571
0.97469	0.84563	0.79242	0.67387			
3602097.54		1.27877	1.28616	1.19389	1.12122	1.04290
0.89436	0.89967	0.76247	0.57538			
3601847.54		1.00750	1.02120	0.98479	0.92237	0.86635
0.77851	0.70709	0.70281	0.52558			
3601597.54		0.82275	0.84983	0.81809	0.77545	0.71833
0.68169	0.62013	0.57891	0.47714			
3601347.54		0.68673	0.71490	0.69250	0.66415	0.60543
0.59135	0.56370	0.50516	0.42647			
3601097.54		0.58729	0.60551	0.59468	0.57266	0.53417
0.51443	0.49854	0.43687	0.42054			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR2
 INCLUDING SOURCE(S): CR2
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00830	0.00743
3605847.54		0.00919	0.00802
3605597.54		0.01024	0.00926
3605347.54		0.01347	0.01077
3605097.54		0.01308	0.01200
3604847.54		0.01710	0.01887
3604597.54		0.03778	0.01915
3604347.54		0.02113	0.01799
3604097.54		0.02512	0.02206
3603847.54		0.03830	0.03484
3603597.54		0.08605	0.05940
3603347.54		0.10692	0.08359
3603097.54		0.14474	0.10620
3602847.54		0.13461	0.13941
3602597.54		0.15189	0.19366
3602347.54		0.49012	0.52523
3602097.54		0.52318	0.48350
3601847.54		0.45787	0.41337
3601597.54		0.44471	0.37501

3601347.54		0.39045	0.36585
3601097.54		0.35709	0.34254

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR2
 INCLUDING SOURCE(S): CR2
 *** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	16.47525	507708.67

3603932.32	3.60063		
506203.59	3603369.23	0.48151	507919.87
3604794.52	1.71937		
507037.89	3604916.08	1.48700	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR3
 INCLUDING SOURCE(S): CR3
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504618.86	504868.86
505118.86	505618.86
505368.86	505868.86
506118.86	

3606097.54		0.26781	0.30073	0.33848	0.38547	0.41458
0.47426	0.50400	0.50224	0.46827			
3605847.54		0.26227	0.29889	0.33915	0.40033	0.45944
0.51297	0.56006	0.60409	0.57957			
3605597.54		0.25047	0.28393	0.33661	0.39945	0.46278
0.53225	0.60679	0.68512	0.74803			
3605347.54		0.27459	0.28589	0.30680	0.34519	0.42897
0.51328	0.60558	0.71833	0.82515			
3605097.54		0.27624	0.30542	0.33613	0.34706	0.38480
0.44895	0.57292	0.68868	0.83098			
3604847.54		0.26652	0.29550	0.32105	0.35702	0.42632
0.43796	0.49941	0.63389	0.76602			

Otay Hills Quarry AERMOD Output File (HRA)

3604597.54		0.25022	0.27721	0.31179	0.36195	0.42955
0.44555	0.52047	0.56951	0.69730			
3604347.54		0.23595	0.25903	0.29038	0.33094	0.38510
0.45042	0.52923	0.60564	0.64366			
3604097.54		0.22121	0.24999	0.27431	0.30730	0.35012
0.40462	0.49203	0.56859	0.61521			
3603847.54		0.20559	0.22924	0.26282	0.29045	0.33445
0.38786	0.43861	0.48692	0.57466			
3603597.54		0.19103	0.20953	0.23707	0.26470	0.29204
0.33514	0.37445	0.42361	0.49837			
3603347.54		0.17922	0.19791	0.22005	0.24248	0.27000
0.30329	0.34416	0.39476	0.47141			
3603097.54		0.17192	0.18775	0.20570	0.23513	0.25521
0.28307	0.32952	0.37285	0.44867			
3602847.54		0.16500	0.18032	0.20165	0.22050	0.24405
0.27324	0.31982	0.36599	0.44046			
3602597.54		0.16031	0.17537	0.19576	0.21664	0.24173
0.27312	0.31719	0.36408	0.43234			
3602347.54		0.15811	0.17302	0.19026	0.21037	0.23871
0.27457	0.31296	0.35127	0.38845			
3602097.54		0.15631	0.17141	0.18983	0.21018	0.23567
0.25948	0.28360	0.31048	0.33150			
3601847.54		0.15594	0.17076	0.18595	0.20241	0.22052
0.23463	0.25205	0.27287	0.30408			
3601597.54		0.15404	0.16588	0.17636	0.18695	0.19731
0.21119	0.22850	0.25401	0.28883			
3601347.54		0.14767	0.15500	0.16225	0.17051	0.18281
0.19788	0.21777	0.24420	0.27521			
3601097.54		0.13742	0.14312	0.15088	0.16260	0.17529
0.19238	0.21207	0.23891	0.26796			

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: CR3
 INCLUDING SOURCE(S): CR3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)				X-COORD (METERS)		
507618.86	507868.86	506618.86	506868.86	507118.86	507368.86	
508118.86	508368.86					

3606097.54		0.47385	0.48666	0.46164	0.48243	0.42065
0.33662	0.17865	0.15213	0.04800			
3605847.54		0.56368	0.56972	0.59560	0.57843	0.55173
0.39396	0.32376	0.34653	0.14330			
3605597.54		0.71716	0.69746	0.69676	0.71215	0.75967
0.50635	0.38125	0.53602	0.50684			
3605347.54		0.92084	0.97463	0.89418	0.87009	0.82342
0.71826	0.65458	0.63153	0.24462			
3605097.54		0.99237	1.16038	1.30238	1.34708	1.23326
1.14594	0.99144	0.68308	0.08223			
3604847.54		0.96487	1.21638	1.52853	1.82778	2.01003
2.06105	1.59121	1.05680	0.23023			

3604597.54		0.87567	1.13998	1.50076	2.02611	2.67965
3.23324	3.16624	1.36105	0.23098			
3604347.54		0.82464	1.01625	1.28494	1.78706	2.70987
4.04095	5.28337	5.00834	2.33008			
3604097.54		0.70712	0.91087	1.21803	1.67134	2.26415
3.50371	6.56298	11.70233	10.28843			
3603847.54		0.67385	0.77810	0.99747	1.28796	1.84859
2.83529	4.98128	10.57094	47.87300			
3603597.54		0.61904	0.73311	0.89209	1.15487	1.49243
2.15285	3.58303	6.62960	18.46991			
3603347.54		0.56271	0.68297	0.80821	1.05916	1.46662
1.91318	2.75005	4.34961	9.11963			
3603097.54		0.53999	0.65437	0.79968	0.99274	1.21973
1.48447	2.10150	3.22851	4.77313			
3602847.54		0.53413	0.64345	0.73241	0.83836	0.98299
1.25212	1.74530	2.36015	2.91367			
3602597.54		0.50475	0.53536	0.61182	0.72939	0.87194
1.11307	1.42076	1.73168	2.04655			
3602347.54		0.41453	0.46349	0.54139	0.65393	0.79723
0.94895	1.14205	1.32593	1.50305			
3602097.54		0.36697	0.41749	0.50059	0.59126	0.69978
0.81075	0.94190	1.05062	1.15437			
3601847.54		0.34440	0.39756	0.47135	0.53691	0.61059
0.69830	0.78976	0.85589	0.93072			
3601597.54		0.32796	0.37829	0.43360	0.48326	0.54076
0.60819	0.66893	0.72217	0.76450			
3601347.54		0.31311	0.35627	0.39723	0.44052	0.48872
0.53292	0.57985	0.61406	0.65147			
3601097.54		0.30047	0.33315	0.36590	0.40209	0.44053
0.47282	0.50146	0.53559	0.56637			

*** AERMOD - VERSION 18081 ***
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 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: CR3
 INCLUDING SOURCE(S): CR3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)				X-COORD (METERS)		
509868.86	510118.86	508618.86	508868.86	509118.86	509368.86	509618.86
510368.86	510618.86					

3606097.54		0.03319	0.03653	0.02086	0.04188	0.01943
0.01280	0.01109	0.01069	0.00923			
3605847.54		0.12472	0.16607	0.03145	0.17064	0.02649
0.01966	0.01412	0.01286	0.01063			
3605597.54		0.52503	0.25818	0.18208	0.17308	0.12114
0.06537	0.01879	0.01275	0.01126			
3605347.54		0.15052	0.34194	0.26062	0.24685	0.25710
0.03591	0.02236	0.01512	0.01471			
3605097.54		0.06116	0.07030	0.05056	0.03464	0.04694
0.13096	0.02623	0.02108	0.01557			
3604847.54		0.07771	0.04644	0.04051	0.03274	0.03143
0.02867	0.03790	0.03347	0.02393			

Otay Hills Quarry AERMOD Output File (HRA)

3604597.54	0.12298	0.07914	0.05295	0.04408	0.03182
0.02676	0.02870	0.03090	0.03938		
3604347.54	0.52286	0.20818	0.11260	0.09078	0.04672
0.03685	0.02953	0.02738	0.02681		
3604097.54	7.81035	2.65586	0.52936	0.16388	0.09769
0.05160	0.04047	0.03739	0.03113		
3603847.54	56.07557	6.98550	2.63691	1.02224	0.25076
0.12493	0.08698	0.07578	0.04951		
3603597.54	32.28192	4.38324	1.81891	1.19734	0.79913
0.50940	0.30754	0.23946	0.12433		
3603347.54	13.42122	2.94817	0.74831	1.15682	2.37240
0.77803	1.27971	0.65360	0.22940		
3603097.54	6.52673	5.55629	1.26125	2.95439	2.12765
1.64545	1.39111	0.44889	0.21252		
3602847.54	3.31169	3.12009	3.27291	2.05047	1.58485
1.43765	1.17064	0.95999	0.18445		
3602597.54	2.21653	2.14449	2.02257	1.66040	1.38208
1.16638	0.99931	0.69349	0.14292		
3602347.54	1.63817	1.59732	1.47510	1.35961	1.21631
0.96825	0.85158	0.79100	0.61214		
3602097.54	1.23933	1.23887	1.15268	1.10100	1.03218
0.89196	0.84406	0.70194	0.58115		
3601847.54	0.98147	0.98934	0.96378	0.90875	0.85721
0.77046	0.71138	0.68590	0.53011		
3601597.54	0.80689	0.83445	0.80439	0.76582	0.70952
0.67524	0.61833	0.58472	0.47934		
3601347.54	0.67660	0.70633	0.68357	0.65819	0.59548
0.58743	0.56255	0.50573	0.42339		
3601097.54	0.58191	0.59927	0.58878	0.56847	0.52806
0.51178	0.49727	0.43018	0.42207		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
 *** 16:35:25 ***

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR3 ***
 INCLUDING SOURCE(S): CR3 ,

GRIDCART ***
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 ** ** CONC OF TAC IN MICROGRAMS/M**3

Y-COORD		X-COORD (METERS)
(METERS)	510868.86 511118.86	

3606097.54	0.00824	0.00740
3605847.54	0.00909	0.00803
3605597.54	0.01021	0.00927
3605347.54	0.01331	0.01059
3605097.54	0.01295	0.01219
3604847.54	0.01744	0.01864
3604597.54	0.03453	0.01883
3604347.54	0.02173	0.01875
3604097.54	0.02607	0.02269
3603847.54	0.04077	0.03673
3603597.54	0.08990	0.06254
3603347.54	0.10777	0.08496
3603097.54	0.13841	0.10377

3602847.54	0.12469	0.12957
3602597.54	0.13246	0.16535
3602347.54	0.39110	0.46197
3602097.54	0.52811	0.48389
3601847.54	0.46130	0.41739
3601597.54	0.44958	0.37673
3601347.54	0.39144	0.36929
3601097.54	0.35518	0.34546

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
 *** 16:35:25 ***

PAGE 85
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR3 ***
 INCLUDING SOURCE(S): CR3 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***
 ** CONC OF TAC IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----		-----
	508226.78 3603955.63	20.31072	507708.67
3603932.32	3.76438		
	506203.59 3603369.23	0.50085	507919.87
3604794.52	1.56348		
	507037.89 3604916.08	1.65991	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
 *** 16:35:25 ***

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: CR4 ***
 INCLUDING SOURCE(S): CR4 ,

GRIDCART ***
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

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

Y-COORD		X-COORD (METERS)		
(METERS)	504118.86 504368.86 504618.86 504868.86 505118.86			
505368.86	505618.86 505868.86 506118.86			

3606097.54	0.26415	0.29798 0.33842 0.39199 0.42620		
0.50139	0.54180 0.54485	0.50697		
3605847.54	0.25952	0.29602 0.33662 0.40303 0.46899		
0.53213	0.59177 0.65168	0.62659		
3605597.54	0.24984	0.28246 0.33635 0.40073 0.46613		
0.54096	0.62663 0.72419	0.81066		

Otay Hills Quarry AERMOD Output File (HRA)

3605347.54		0.28007	0.28911	0.30682	0.34274	0.43028
0.51557	0.61120	0.73574	0.86539			
3605097.54		0.27958	0.31038	0.34253	0.34981	0.38544
0.44884	0.57804	0.69304	0.84134			
3604847.54		0.26639	0.29588	0.32149	0.35845	0.43296
0.43917	0.50004	0.64404	0.77348			
3604597.54		0.24984	0.27632	0.31053	0.36104	0.42890
0.44288	0.52036	0.56340	0.69974			
3604347.54		0.23597	0.25867	0.28986	0.33036	0.38443
0.44901	0.52655	0.60172	0.62462			
3604097.54		0.21983	0.24884	0.27266	0.30534	0.34802
0.40238	0.48908	0.56490	0.60462			
3603847.54		0.20320	0.22664	0.26013	0.28707	0.33036
0.38234	0.43195	0.47785	0.56269			
3603597.54		0.18988	0.20821	0.23600	0.26353	0.29040
0.33354	0.37201	0.41971	0.49395			
3603347.54		0.17954	0.19839	0.22073	0.24304	0.27049
0.30372	0.34460	0.39543	0.47386			
3603097.54		0.17233	0.18814	0.20609	0.23635	0.25643
0.28470	0.33327	0.37805	0.45772			
3602847.54		0.16577	0.18151	0.20374	0.22315	0.24743
0.27751	0.32645	0.37449	0.45191			
3602597.54		0.16227	0.17779	0.19894	0.22040	0.24634
0.27899	0.32459	0.37025	0.43232			
3602347.54		0.16046	0.17572	0.19352	0.21429	0.24346
0.27887	0.31378	0.34604	0.37840			
3602097.54		0.15891	0.17454	0.19325	0.21287	0.23638
0.25669	0.27767	0.30403	0.32827			
3601847.54		0.15857	0.17284	0.18648	0.20071	0.21673
0.22993	0.24860	0.27206	0.30572			
3601597.54		0.15467	0.16497	0.17380	0.18348	0.19418
0.20960	0.22872	0.25566	0.29148			
3601347.54		0.14602	0.15250	0.15967	0.16872	0.18234
0.19861	0.21933	0.24638	0.27766			
3601097.54		0.13538	0.14144	0.15005	0.16277	0.17625
0.19389	0.21398	0.24117	0.26979			

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: CR4

INCLUDING SOURCE(S): CR4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507118.86
507868.86	507368.86
508118.86	
508368.86	

3606097.54		0.51712	0.53805	0.51955	0.54944	0.46904
0.33595	0.14971	0.12971	0.04531			
3605847.54		0.61533	0.62836	0.67168	0.67136	0.55503
0.39600	0.30481	0.32951	0.11887			
3605597.54		0.78081	0.76959	0.77797	0.81623	0.84360
0.52420	0.34317	0.60396	0.57153			

3605347.54		0.99614	1.08736	1.00087	0.98601	0.95329
0.86234	0.76817	0.73300	0.20169			
3605097.54		1.02576	1.24603	1.46767	1.58754	1.46203
1.41436	1.24295	0.65835	0.08737			
3604847.54		0.97195	1.23778	1.61823	2.06823	2.44112
2.56567	1.85089	1.05837	0.20587			
3604597.54		0.88853	1.15904	1.51764	2.08944	2.98994
4.00653	4.17127	1.24316	0.25432			
3604347.54		0.81361	1.00665	1.27832	1.80590	2.75390
4.30721	6.89475	8.01942	2.15262			
3604097.54		0.68187	0.88316	1.18768	1.63315	2.18932
3.43990	6.66037	14.52550	25.70448			
3603847.54		0.65567	0.74093	0.94797	1.20312	1.73110
2.62969	4.52841	8.65762	33.11907			
3603597.54		0.61515	0.72740	0.88277	1.14494	1.47162
2.14409	3.64215	5.87853	14.57582			
3603347.54		0.56740	0.69187	0.82252	1.08850	1.50209
1.84515	2.56483	4.01057	7.50260			
3603097.54		0.55328	0.67272	0.81697	0.98171	1.16277
1.44528	2.05083	2.91296	4.10051			
3602847.54		0.54386	0.63949	0.70922	0.81315	0.97981
1.23681	1.65595	2.15605	2.56839			
3602597.54		0.49230	0.51957	0.60356	0.73338	0.87262
1.08066	1.34739	1.58873	1.86320			
3602347.54		0.40652	0.46211	0.54568	0.65833	0.78727
0.91287	1.08069	1.22975	1.38770			
3602097.54		0.36784	0.42066	0.50440	0.58758	0.68267
0.78105	0.89382	0.98449	1.07540			
3601847.54		0.34745	0.40072	0.47170	0.52810	0.59402
0.67371	0.75333	0.80889	0.87683			
3601597.54		0.33081	0.37948	0.42988	0.47371	0.52719
0.58775	0.64113	0.68937	0.72513			
3601347.54		0.31469	0.35491	0.39190	0.43283	0.47810
0.51600	0.55930	0.58949	0.62358			
3601097.54		0.30043	0.33025	0.36098	0.39601	0.43144
0.45935	0.48517	0.51743	0.54623			

*** AERMOD - VERSION 18081 ***
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 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: CR4

INCLUDING SOURCE(S): CR4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509368.86
510118.86	509618.86
510368.86	
510618.86	

3606097.54		0.03343	0.03524	0.02098	0.03744	0.01951
0.01304	0.01144	0.01096	0.00934			
3605847.54		0.09949	0.14021	0.03109	0.15122	0.02637
0.02014	0.01439	0.01296	0.01069			
3605597.54		0.58023	0.22904	0.14979	0.14884	0.10003
0.05118	0.01874	0.01286	0.01148			

Otay Hills Quarry AERMOD Output File (HRA)

3605347.54		0.12035	0.30298	0.22282	0.21716	0.22537
0.03313	0.02120	0.01552	0.01525			
3605097.54		0.06575	0.07012	0.05275	0.03655	0.04325
0.10275	0.02663	0.02160	0.01582			
3604847.54		0.08651	0.05143	0.04312	0.03446	0.03115
0.03050	0.03809	0.03318	0.02438			
3604597.54		0.14281	0.08983	0.05764	0.04485	0.03448
0.02883	0.03147	0.03288	0.04058			
3604347.54		0.50765	0.24608	0.11567	0.10122	0.05463
0.04142	0.03188	0.02998	0.03037			
3604097.54		15.22771	2.17678	0.52385	0.21327	0.12521
0.06497	0.04876	0.04335	0.03537			
3603847.54		254.22522	10.10956	2.96481	1.15836	0.37078
0.17700	0.11652	0.09697	0.06149			
3603597.54		10.70973	1.94395	1.31423	1.12086	0.78842
0.52217	0.33412	0.26145	0.14448			
3603347.54		10.42249	1.87207	0.47690	0.76891	1.75068
0.63112	1.04522	0.54367	0.22504			
3603097.54		5.53101	4.85669	0.88271	2.61840	2.00642
1.35088	1.19782	0.36566	0.19647			
3602847.54		2.86173	2.79857	2.98749	1.99343	1.56502
1.36494	1.11481	0.82037	0.15560			
3602597.54		1.97177	1.94325	1.89161	1.57057	1.36801
1.16008	0.98523	0.58105	0.12077			
3602347.54		1.50090	1.47048	1.38183	1.28368	1.19132
0.96114	0.85041	0.77393	0.55434			
3602097.54		1.14653	1.15328	1.08188	1.05060	0.99590
0.88253	0.78415	0.64567	0.58091			
3601847.54		0.91698	0.92819	0.91681	0.87287	0.82426
0.75154	0.70900	0.63482	0.53097			
3601597.54		0.76182	0.79419	0.76994	0.73763	0.68471
0.65349	0.61058	0.58401	0.48007			
3601347.54		0.64371	0.67719	0.65774	0.63602	0.57466
0.56948	0.55118	0.50265	0.41956			
3601097.54		0.55800	0.57655	0.56887	0.55082	0.51191
0.49864	0.48468	0.41970	0.42096			

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR4

INCLUDING SOURCE(S): CR4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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

```

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00836	0.00748
3605847.54		0.00923	0.00823
3605597.54		0.01053	0.00943
3605347.54		0.01342	0.01088
3605097.54		0.01361	0.01310
3604847.54		0.01877	0.01950
3604597.54		0.03508	0.01959

3604347.54		0.02470	0.02104
3604097.54		0.02911	0.02500
3603847.54		0.04926	0.04355
3603597.54		0.10473	0.07293
3603347.54		0.11345	0.09083
3603097.54		0.13399	0.10339
3602847.54		0.11080	0.11996
3602597.54		0.11121	0.14112
3602347.54		0.32029	0.39346
3602097.54		0.52653	0.47653
3601847.54		0.46145	0.41842
3601597.54		0.45047	0.37642
3601347.54		0.39161	0.37035
3601097.54		0.35262	0.34686

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR4

INCLUDING SOURCE(S): CR4 ,

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*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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

508226.78	3603955.63	19.98283	507708.67
3603932.32	3.51390		
506203.59	3603369.23	0.50328	507919.87
3604794.52	1.72281		
507037.89	3604916.08	1.87323	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR5

INCLUDING SOURCE(S): CR5 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

```

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86 504618.86 504868.86 505118.86
505368.86	505618.86 505868.86 506118.86

Otay Hills Quarry AERMOD Output File (HRA)

3606097.54		0.26539	0.29913	0.33917	0.39192	0.42454
0.49789	0.53604	0.53687	0.49715			
3605847.54		0.26074	0.29765	0.33844	0.40487	0.47011
0.53146	0.58833	0.64485	0.61638			
3605597.54		0.25030	0.28344	0.33816	0.40336	0.46916
0.54362	0.62757	0.72153	0.80274			
3605347.54		0.28052	0.28949	0.30732	0.34379	0.43274
0.51930	0.61561	0.73932	0.86501			
3605097.54		0.28082	0.31150	0.34349	0.35041	0.38608
0.45027	0.58155	0.69862	0.84811			
3604847.54		0.26835	0.29803	0.32365	0.36056	0.43520
0.44060	0.50128	0.64666	0.77831			
3604597.54		0.25160	0.27843	0.31312	0.36428	0.43290
0.44689	0.52484	0.56711	0.70371			
3604347.54		0.23756	0.26050	0.29204	0.33305	0.38786
0.45341	0.53224	0.60892	0.63194			
3604097.54		0.22164	0.25101	0.27513	0.30825	0.35152
0.40668	0.49461	0.57179	0.61240			
3603847.54		0.20507	0.22886	0.26285	0.29024	0.33426
0.38717	0.43781	0.48477	0.57157			
3603597.54		0.19127	0.20979	0.23790	0.26574	0.29293
0.33662	0.37561	0.42399	0.49937			
3603347.54		0.18050	0.19951	0.22207	0.24461	0.27235
0.30594	0.34727	0.39860	0.47774			
3603097.54		0.17325	0.18919	0.20727	0.23775	0.25789
0.28621	0.33494	0.37975	0.45965			
3602847.54		0.16649	0.18225	0.20451	0.22391	0.24820
0.27831	0.32737	0.37545	0.45335			
3602597.54		0.16267	0.17820	0.19941	0.22091	0.24685
0.27952	0.32542	0.37221	0.43705			
3602347.54		0.16077	0.17605	0.19382	0.21458	0.24396
0.28012	0.31653	0.35067	0.38423			
3602097.54		0.15911	0.17473	0.19359	0.21366	0.23806
0.25949	0.28136	0.30788	0.33138			
3601847.54		0.15881	0.17340	0.18759	0.20254	0.21924
0.23265	0.25106	0.27404	0.30743			
3601597.54		0.15548	0.16627	0.17555	0.18547	0.19609
0.21122	0.23005	0.25690	0.29281			
3601347.54		0.14733	0.15402	0.16121	0.17008	0.18348
0.19959	0.22027	0.24739	0.27886			
3601097.54		0.13663	0.14261	0.15104	0.16362	0.17701
0.19466	0.21479	0.24213	0.27111			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR5

INCLUDING SOURCE(S): CR5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)				X-COORD (METERS)	
507618.86	507868.86	508118.86	508368.86	507118.86	507368.86

3606097.54		0.50679	0.52747	0.50746	0.53341	0.45631
0.32833	0.14534	0.12644	0.04455			
3605847.54		0.60207	0.61414	0.65658	0.65282	0.53086
0.38463	0.29537	0.31935	0.11578			
3605597.54		0.76752	0.75111	0.75759	0.79429	0.80661
0.50082	0.33237	0.58872	0.55826			
3605347.54		0.98808	1.06940	0.97402	0.95498	0.91982
0.82710	0.74404	0.71288	0.19465			
3605097.54		1.03001	1.24040	1.44396	1.54303	1.41048
1.35513	1.18379	0.62879	0.08452			
3604847.54		0.98072	1.24897	1.62139	2.03992	2.36010
2.44331	1.70374	1.00121	0.19716			
3604597.54		0.89338	1.16720	1.53351	2.11077	2.97317
3.84932	3.89737	1.12641	0.23910			
3604347.54		0.82405	1.01877	1.29129	1.82387	2.78999
4.35398	6.65614	7.26190	1.95189			
3604097.54		0.69096	0.89695	1.20964	1.66834	2.24066
3.52270	6.81889	14.56997	20.69754			
3603847.54		0.66692	0.75457	0.96785	1.23189	1.78123
2.72493	4.74764	9.26478	37.82732			
3603597.54		0.62255	0.73682	0.89495	1.16170	1.49257
2.17211	3.70609	6.20020	15.76230			
3603347.54		0.57190	0.69696	0.82777	1.09513	1.51896
1.89690	2.63836	4.13382	8.04224			
3603097.54		0.55539	0.67549	0.82371	1.00026	1.19212
1.46806	2.08767	3.01519	4.31535			
3602847.54		0.54747	0.64859	0.72383	0.82748	0.99030
1.25190	1.69382	2.22586	2.67194			
3602597.54		0.50057	0.52831	0.61084	0.73957	0.88081
1.09836	1.37737	1.63449	1.92454			
3602347.54		0.41167	0.46612	0.54937	0.66340	0.79709
0.92849	1.10321	1.26085	1.42613			
3602097.54		0.37031	0.42304	0.50762	0.59325	0.69222
0.79366	0.91140	1.00646	1.10113			
3601847.54		0.34920	0.40291	0.47542	0.53416	0.60206
0.68405	0.76715	0.82497	0.89535			
3601597.54		0.33240	0.38195	0.43401	0.47929	0.53390
0.59647	0.65199	0.70177	0.73882			
3601347.54		0.31643	0.35776	0.39596	0.43773	0.48397
0.52336	0.56806	0.59915	0.63428			
3601097.54		0.30249	0.33325	0.36468	0.40025	0.43662
0.46561	0.49218	0.52526	0.55485			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR5

INCLUDING SOURCE(S): CR5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)				X-COORD (METERS)	
509868.86	510118.86	510368.86	510618.86	509368.86	509618.86

Otay Hills Quarry AERMOD Output File (HRA)

3606097.54	0.03293	0.03468	0.02073	0.03678	0.01928
0.01291	0.01131	0.01085	0.00929		
3605847.54	0.09728	0.13639	0.03056	0.14741	0.02601
0.01981	0.01425	0.01290	0.01064		
3605597.54	0.56598	0.22217	0.14570	0.14428	0.09632
0.05133	0.01864	0.01279	0.01138		
3605347.54	0.11721	0.29320	0.21603	0.20910	0.21959
0.03299	0.02123	0.01531	0.01506		
3605097.54	0.06382	0.06822	0.05144	0.03564	0.04307
0.09866	0.02591	0.02120	0.01564		
3604847.54	0.08286	0.04960	0.04202	0.03382	0.03096
0.02964	0.03700	0.03249	0.02386		
3604597.54	0.13545	0.08593	0.05592	0.04412	0.03363
0.02795	0.03042	0.03187	0.03906		
3604347.54	0.46779	0.23129	0.11132	0.09615	0.05193
0.04009	0.03105	0.02893	0.02908		
3604097.54	12.79334	1.94250	0.45609	0.19108	0.11489
0.06080	0.04629	0.04147	0.03403		
3603847.54	197.42609	8.08967	2.55550	1.02684	0.32760
0.16012	0.10716	0.09009	0.05778		
3603597.54	11.26876	2.26029	1.45722	1.13529	0.77790
0.51072	0.32395	0.25233	0.13825		
3603347.54	11.37226	1.90725	0.51456	0.81505	1.78741
0.64237	1.04357	0.53745	0.22295		
3603097.54	5.87086	5.10730	0.87900	2.65629	2.04941
1.38061	1.22039	0.37015	0.19859		
3602847.54	2.98670	2.90716	3.08792	2.03197	1.58872
1.38306	1.13465	0.83522	0.16064		
3602597.54	2.04071	2.00573	1.94742	1.60731	1.38761
1.17435	0.99658	0.58008	0.12338		
3602347.54	1.54466	1.51088	1.41619	1.31446	1.21113
0.97186	0.85915	0.78106	0.55406		
3602097.54	1.17520	1.18093	1.10585	1.07241	1.01502
0.89348	0.78777	0.64841	0.58598		
3601847.54	0.93706	0.94791	0.93526	0.88899	0.83951
0.76230	0.71627	0.63782	0.53510		
3601597.54	0.77668	0.80944	0.78395	0.75028	0.69571
0.66383	0.61733	0.58917	0.48347		
3601347.54	0.65504	0.68903	0.66867	0.64623	0.58290
0.57800	0.55836	0.50715	0.42256		
3601097.54	0.56697	0.58576	0.57758	0.55902	0.51889
0.50524	0.49129	0.42390	0.42418		

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR5
***
INCLUDING SOURCE(S): CR5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

Y-COORD		X-COORD (METERS)
(METERS)	510868.86	511118.86

3606097.54	0.00832	0.00744
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3605847.54	0.00917	0.00817
3605597.54	0.01043	0.00938
3605347.54	0.01330	0.01076
3605097.54	0.01333	0.01278
3604847.54	0.01836	0.01916
3604597.54	0.03400	0.01922
3604347.54	0.02374	0.02038
3604097.54	0.02815	0.02425
3603847.54	0.04662	0.04145
3603597.54	0.10019	0.06986
3603347.54	0.11170	0.08912
3603097.54	0.13463	0.10320
3602847.54	0.11382	0.12150
3602597.54	0.11458	0.14402
3602347.54	0.31905	0.39584
3602097.54	0.53060	0.48038
3601847.54	0.46503	0.42132
3601597.54	0.45363	0.37903
3601347.54	0.39405	0.37270
3601097.54	0.35486	0.34888

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CR5
***
INCLUDING SOURCE(S): CR5 ,

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*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
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	508226.78	3603955.63	21.15984
3603932.32	3.64915		507708.67
	506203.59	3603369.23	0.50755
3604794.52	1.57468		507919.87
	507037.89	3604916.08	1.84704

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB1
***
INCLUDING SOURCE(S): CTB1 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	504118.86	504368.86	504618.86	X-COORD (METERS) 504868.86	505118.86
505368.86	505618.86	505868.86	506118.86		
3606097.54	0.26856	0.30268	0.34246	0.39374	0.42303
0.49282	0.52690	0.52326	0.47912		
3605847.54	0.26345	0.30157	0.34333	0.41068	0.47514
0.53300	0.58427	0.63456	0.59957		
3605597.54	0.25125	0.28562	0.34240	0.40992	0.47754
0.55255	0.63384	0.72058	0.79178		
3605347.54	0.28183	0.29063	0.30878	0.34664	0.43900
0.52925	0.62863	0.75269	0.87122		
3605097.54	0.28390	0.31455	0.34636	0.35267	0.38862
0.45481	0.59137	0.71468	0.86961		
3604847.54	0.27230	0.30263	0.32865	0.36591	0.44133
0.44560	0.50649	0.65547	0.79381		
3604597.54	0.25486	0.28248	0.31825	0.37101	0.44169
0.45632	0.53614	0.57825	0.71676		
3604347.54	0.24067	0.26414	0.29647	0.33861	0.39507
0.46291	0.54493	0.62548	0.65048		
3604097.54	0.22524	0.25536	0.28018	0.31427	0.35890
0.41591	0.50683	0.58730	0.63052		
3603847.54	0.20862	0.23312	0.26816	0.29655	0.34219
0.39721	0.45022	0.49975	0.59126		
3603597.54	0.19373	0.21269	0.24147	0.27007	0.29809
0.34315	0.38358	0.43390	0.51248		
3603347.54	0.18244	0.20190	0.22502	0.24821	0.27678
0.31144	0.35411	0.40712	0.48878		
3603097.54	0.17535	0.19165	0.21013	0.24121	0.26169
0.29044	0.33997	0.38546	0.46675		
3602847.54	0.16822	0.18409	0.20655	0.22611	0.25065
0.28106	0.33060	0.37899	0.45852		
3602597.54	0.16375	0.17943	0.20082	0.22241	0.24836
0.28116	0.32811	0.37784	0.44845		
3602347.54	0.16156	0.17679	0.19448	0.21533	0.24550
0.28365	0.32319	0.36041	0.39516		
3602097.54	0.15935	0.17511	0.19458	0.21592	0.24221
0.26543	0.28819	0.31446	0.33708		
3601847.54	0.15951	0.17500	0.19037	0.20648	0.22389
0.23712	0.25499	0.27768	0.31156		
3601597.54	0.15750	0.16909	0.17882	0.18873	0.19895
0.21372	0.23253	0.25983	0.29662		
3601347.54	0.14979	0.15651	0.16343	0.17196	0.18520
0.20141	0.22247	0.25019	0.28261		
3601097.54	0.13842	0.14411	0.15234	0.16489	0.17842
0.19638	0.21693	0.24498	0.27509		

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB1
INCLUDING SOURCE(S): CTB1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	506368.86	506618.86	506868.86	X-COORD (METERS) 507118.86	507368.86
507618.86	507868.86	508118.86	508368.86		
3606097.54	0.48649	0.50695	0.48254	0.49726	0.42849
0.31843	0.13956	0.12216	0.04375		
3605847.54	0.57828	0.58700	0.62769	0.61360	0.48441
0.36963	0.28151	0.30272	0.11241		
3605597.54	0.74645	0.71875	0.71985	0.75273	0.73312
0.46363	0.31981	0.55997	0.53435		
3605347.54	0.97926	1.04203	0.92826	0.89955	0.85733
0.75243	0.69791	0.67520	0.18438		
3605097.54	1.04929	1.24077	1.41030	1.46731	1.31938
1.23998	1.06411	0.58465	0.07933		
3604847.54	1.00848	1.28761	1.64813	2.00651	2.22629
2.23533	1.44521	0.93178	0.18419		
3604597.54	0.91058	1.19667	1.58963	2.19189	2.98253
3.60073	3.45540	0.97424	0.21538		
3604347.54	0.85091	1.05264	1.33306	1.89018	2.93452
4.55562	6.27474	6.02443	1.67374		
3604097.54	0.71366	0.93158	1.26584	1.76184	2.38495
3.77427	7.44647	14.79644	13.61667		
3603847.54	0.69258	0.78733	1.01658	1.30571	1.91171
2.98195	5.37623	11.25480	58.64369		
3603597.54	0.64131	0.76187	0.92954	1.21343	1.56731
2.29483	3.96859	7.14289	20.13887		
3603347.54	0.58588	0.71471	0.84917	1.12540	1.57663
2.02751	2.85899	4.57702	9.42353		
3603097.54	0.56405	0.68694	0.84465	1.04539	1.26039
1.54043	2.22139	3.29417	4.79490		
3602847.54	0.55810	0.67058	0.75528	0.85982	1.02465
1.30817	1.79715	2.39550	2.89016		
3602597.54	0.51797	0.54561	0.62743	0.75961	0.91079
1.14790	1.45114	1.73555	2.04743		
3602347.54	0.42132	0.47554	0.56124	0.68143	0.82528
0.96560	1.15604	1.32482	1.50010		
3602097.54	0.37625	0.43052	0.51885	0.61016	0.71450
0.82270	0.94935	1.04956	1.14871		
3601847.54	0.35447	0.41032	0.48667	0.54858	0.61937
0.70739	0.79468	0.85544	0.92829		
3601597.54	0.33760	0.38953	0.44406	0.49073	0.54844
0.61488	0.67239	0.72450	0.76234		
3601347.54	0.32179	0.36494	0.40420	0.44739	0.49661
0.53771	0.58379	0.61633	0.65199		
3601097.54	0.30779	0.33943	0.37148	0.40887	0.44723
0.47701	0.50433	0.53875	0.56862		

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB1
INCLUDING SOURCE(S): CTB1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)				X-COORD (METERS)		
	508618.86	508868.86	509118.86	509368.86	509618.86	
509868.86	510118.86	510368.86	510618.86			

3606097.54	0.03219	0.03434	0.02006	0.03663	0.01892
0.01231	0.01092	0.01048	0.00899		
3605847.54	0.09540	0.13518	0.02997	0.14398	0.02558
0.01949	0.01371	0.01250	0.01035		
3605597.54	0.54211	0.21684	0.14296	0.14140	0.09492
0.05200	0.01827	0.01240	0.01098		
3605347.54	0.11370	0.28246	0.20977	0.20249	0.21670
0.03262	0.02114	0.01469	0.01469		
3605097.54	0.06045	0.06540	0.04971	0.03395	0.04228
0.09620	0.02476	0.02067	0.01511		
3604847.54	0.07673	0.04582	0.03881	0.03184	0.02979
0.02820	0.03599	0.03179	0.02313		
3604597.54	0.12234	0.07884	0.05178	0.04152	0.03161
0.02604	0.02857	0.03028	0.03705		
3604347.54	0.42023	0.20878	0.10260	0.08898	0.04697
0.03705	0.02919	0.02685	0.02680		
3604097.54	9.63768	1.68579	0.39732	0.16227	0.09925
0.05335	0.04172	0.03788	0.03135		
3603847.54	49.47442	5.23844	1.96733	0.83242	0.25978
0.13113	0.09036	0.07806	0.05069		
3603597.54	13.97522	3.12011	1.59059	1.10681	0.74597
0.48588	0.30255	0.23517	0.12573		
3603347.54	13.10941	1.99946	0.60372	0.93884	1.86777
0.66479	1.04537	0.53433	0.21888		
3603097.54	6.49193	5.46009	0.90837	2.65048	2.07331
1.44108	1.25165	0.38501	0.20138		
3602847.54	3.21515	3.05468	3.20129	2.03868	1.58561
1.38128	1.14852	0.86439	0.17069		
3602597.54	2.16576	2.08918	2.02083	1.64257	1.38656
1.16969	0.99347	0.58503	0.12988		
3602347.54	1.62233	1.56377	1.46015	1.35594	1.22105
0.96908	0.85523	0.77691	0.55367		
3602097.54	1.22519	1.21694	1.13580	1.09911	1.03752
0.89495	0.78550	0.64891	0.58382		
3601847.54	0.97139	0.97373	0.95665	0.90821	0.85891
0.77081	0.71561	0.63492	0.53217		
3601597.54	0.80149	0.82945	0.79899	0.76555	0.70799
0.67669	0.61942	0.58793	0.48099		
3601347.54	0.67349	0.70460	0.67985	0.65794	0.59186
0.58796	0.56569	0.50665	0.42117		
3601097.54	0.58119	0.59788	0.58635	0.56747	0.52688
0.51187	0.49933	0.42641	0.42291		

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB1

*** NETWORK ID: UCART1 ; NETWORK TYPE:
** CONC OF TAC IN MICROGRAMS/M**3
**

Y-COORD (METERS)			X-COORD (METERS)
	510868.86	511118.86	

3606097.54	0.00809	0.00720
3605847.54	0.00888	0.00788
3605597.54	0.01006	0.00918
3605347.54	0.01301	0.01035
3605097.54	0.01270	0.01215
3604847.54	0.01754	0.01851
3604597.54	0.03278	0.01856
3604347.54	0.02186	0.01902
3604097.54	0.02610	0.02259
3603847.54	0.04149	0.03735
3603597.54	0.09099	0.06315
3603347.54	0.10568	0.08404
3603097.54	0.13371	0.10053
3602847.54	0.11821	0.12396
3602597.54	0.12207	0.15125
3602347.54	0.32186	0.40407
3602097.54	0.52797	0.47843
3601847.54	0.46323	0.41944
3601597.54	0.45094	0.37744
3601347.54	0.39183	0.37048
3601097.54	0.35359	0.34687

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB1

*** DISCRETE CARTESIAN RECEPTOR
POINTS ***
** CONC OF TAC IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	25.27468	507708.67
3603932.32	4.02274		
506203.59	3603369.23	0.51983	507919.87
3604794.52	1.32607		
507037.89	3604916.08	1.81463	

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

PAGE 101
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB2

Otay Hills Quarry AERMOD Output File (HRA)

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)	504118.86	504368.86	504618.86	504868.86	505118.86
505368.86	505618.86	505868.86	506118.86			
3606097.54	0.26703	0.30101	0.34077	0.39201	0.42197	
0.49149	0.52622	0.52391	0.48160			
3605847.54	0.26178	0.29946	0.34089	0.40754	0.47181	
0.53006	0.58208	0.63327	0.60105			
3605597.54	0.25000	0.28383	0.33961	0.40609	0.47297	
0.54754	0.62902	0.71656	0.78920			
3605347.54	0.28014	0.28902	0.30711	0.34444	0.43488	
0.52362	0.62178	0.74511	0.86447			
3605097.54	0.28192	0.31237	0.34396	0.35064	0.38633	
0.45135	0.58487	0.70586	0.85868			
3604847.54	0.27009	0.30013	0.32602	0.36305	0.43756	
0.44265	0.50305	0.64875	0.78398			
3604597.54	0.25283	0.28010	0.31538	0.36739	0.43719	
0.45183	0.53068	0.57350	0.70991			
3604347.54	0.23886	0.26206	0.29398	0.33551	0.39112	
0.45789	0.53853	0.61745	0.64328			
3604097.54	0.22352	0.25325	0.27777	0.31142	0.35540	
0.41154	0.50117	0.58012	0.62263			
3603847.54	0.20697	0.23114	0.26570	0.29368	0.33865	
0.39286	0.44489	0.49344	0.58311			
3603597.54	0.19230	0.21104	0.23945	0.26768	0.29534	
0.33973	0.37956	0.42913	0.50632			
3603347.54	0.18124	0.20049	0.22334	0.24625	0.27447	
0.30867	0.35073	0.40294	0.48324			
3603097.54	0.17421	0.19035	0.20863	0.23931	0.25958	
0.28802	0.33688	0.38179	0.46189			
3602847.54	0.16716	0.18289	0.20512	0.22450	0.24880	
0.27888	0.32776	0.37554	0.45398			
3602597.54	0.16279	0.17833	0.19951	0.22088	0.24656	
0.27900	0.32539	0.37444	0.44392			
3602347.54	0.16064	0.17573	0.19327	0.21394	0.24378	
0.28146	0.32043	0.35703	0.39122			
3602097.54	0.15846	0.17410	0.19339	0.21451	0.24045	
0.26332	0.28574	0.31167	0.33399			
3601847.54	0.15864	0.17398	0.18918	0.20507	0.22223	
0.23530	0.25297	0.27540	0.30884			
3601597.54	0.15660	0.16805	0.17766	0.18745	0.19756	
0.21218	0.23080	0.25778	0.29410			
3601347.54	0.14890	0.15555	0.16240	0.17085	0.18397	
0.20002	0.22085	0.24825	0.28028			
3601097.54	0.13762	0.14327	0.15142	0.16387	0.17727	
0.19505	0.21538	0.24311	0.27289			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

*** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB2
INCLUDING SOURCE(S): CTB2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)	506368.86	506618.86	506868.86	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			
3606097.54	0.48875	0.50883	0.48599	0.50351	0.43323	
0.32310	0.14553	0.12702	0.04488			
3605847.54	0.58166	0.59015	0.63035	0.61890	0.49947	
0.37647	0.29155	0.31141	0.11672			
3605597.54	0.74795	0.72340	0.72459	0.75764	0.75352	
0.47794	0.33185	0.56379	0.53617			
3605347.54	0.97467	1.04110	0.93476	0.90741	0.86830	
0.76468	0.70211	0.67876	0.19404			
3605097.54	1.03798	1.23196	1.40686	1.47192	1.32877	
1.25689	1.08043	0.61195	0.08104			
3604847.54	0.99378	1.26857	1.62921	1.99678	2.23630	
2.26445	1.53893	0.96953	0.19256			
3604597.54	0.89986	1.17874	1.56082	2.15240	2.95308	
3.62964	3.53457	1.05546	0.22363			
3604347.54	0.83942	1.03818	1.31432	1.85557	2.86363	
4.45494	6.28011	6.20174	1.84110			
3604097.54	0.70511	0.91761	1.24234	1.72319	2.32907	
3.67004	7.16035	14.51529	14.64713			
3603847.54	0.68235	0.77595	0.99932	1.28124	1.86528	
2.88864	5.14532	10.58042	51.30727			
3603597.54	0.63265	0.75059	0.91435	1.19072	1.53483	
2.23774	3.83932	6.82828	18.57931			
3603347.54	0.57869	0.70519	0.83687	1.10689	1.54670	
1.98122	2.77700	4.41881	9.00900			
3603097.54	0.55772	0.67853	0.83299	1.02845	1.23688	
1.50896	2.16778	3.20651	4.66188			
3602847.54	0.55208	0.66240	0.74467	0.84680	1.00768	
1.28461	1.76164	2.34521	2.83321			
3602597.54	0.51227	0.53908	0.61948	0.74896	0.89694	
1.12977	1.42627	1.70775	2.01371			
3602347.54	0.41696	0.47033	0.55452	0.67245	0.81397	
0.95237	1.13963	1.30723	1.47975			
3602097.54	0.37262	0.42608	0.51295	0.60300	0.70600	
0.81248	0.93794	1.03745	1.13560			
3601847.54	0.35116	0.40621	0.48149	0.54284	0.61270	
0.69953	0.78629	0.84667	0.91879			
3601597.54	0.33455	0.38583	0.43979	0.48602	0.54290	
0.60881	0.66602	0.71757	0.75538			
3601347.54	0.31901	0.36173	0.40063	0.44324	0.49186	
0.53294	0.57861	0.61095	0.64638			
3601097.54	0.30528	0.33666	0.36836	0.40523	0.44330	
0.47309	0.50022	0.53432	0.56394			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

*** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB2
INCLUDING SOURCE(S): CTB2 ,

Otay Hills Quarry AERMOD Output File (HRA)

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) | 508618.86 508868.86 509118.86 509368.86 509618.86
509868.86 510118.86 510368.86 510618.86
-----
3606097.54 | 0.03256 0.03476 0.02026 0.03734 0.01908
0.01241 | 0.01099 0.01053 0.00904
3605847.54 | 0.09947 0.13953 0.03035 0.14822 0.02590
0.01962 | 0.01380 0.01258 0.01041
3605597.54 | 0.54647 0.22388 0.14857 0.14625 0.09812
0.05369 | 0.01844 0.01248 0.01105
3605347.54 | 0.11895 0.29329 0.21799 0.20975 0.22420
0.03313 | 0.02140 0.01478 0.01479
3605097.54 | 0.06146 0.06683 0.05046 0.03431 0.04305
0.10050 | 0.02505 0.02088 0.01524
3604847.54 | 0.07861 0.04639 0.03945 0.03228 0.03020
0.02856 | 0.03661 0.03231 0.02343
3604597.54 | 0.12561 0.08050 0.05272 0.04224 0.03203
0.02636 | 0.02895 0.03076 0.03789
3604347.54 | 0.44366 0.21525 0.10576 0.09176 0.04785
0.03761 | 0.02954 0.02727 0.02718
3604097.54 | 10.18046 1.85887 0.42224 0.16900 0.10243
0.05466 | 0.04255 0.03859 0.03179
3603847.54 | 86.75696 6.00980 2.16267 0.89438 0.27339
0.13634 | 0.09331 0.08031 0.05188
3603597.54 | 14.59871 3.00587 1.61311 1.13967 0.76869
0.50072 | 0.31167 0.24224 0.12898
3603347.54 | 12.75230 2.09687 0.59089 0.93455 1.91935
0.67838 | 1.07937 0.55096 0.22238
3603097.54 | 6.35368 5.40164 0.94170 2.68997 2.07371
1.45580 | 1.26584 0.39067 0.20327
3602847.54 | 3.16614 3.02717 3.09033 2.04296 1.58660
1.38821 | 1.14643 0.87147 0.17064
3602597.54 | 2.13819 2.07366 2.00478 1.64043 1.38823
1.17050 | 0.99492 0.59901 0.12973
3602347.54 | 1.60307 1.55302 1.45180 1.34728 1.22015
0.97021 | 0.85533 0.77911 0.56246
3602097.54 | 1.21279 1.20918 1.12982 1.09285 1.03323
0.89472 | 0.79478 0.65642 0.58363
3601847.54 | 0.96263 0.96795 0.95105 0.90390 0.85390
0.76969 | 0.71533 0.64043 0.53202
3601597.54 | 0.79475 0.82413 0.79464 0.76179 0.70482
0.67377 | 0.61902 0.58777 0.48115
3601347.54 | 0.66821 0.70015 0.67639 0.65452 0.59000
0.58503 | 0.56410 0.50643 0.42143
3601097.54 | 0.57682 0.59432 0.58351 0.56462 0.52501
0.50985 | 0.49705 0.42637 0.42270

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 104
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB2 ***
INCLUDING SOURCE(S): CTB2 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) | 510868.86 511118.86
-----
3606097.54 | 0.00813 0.00723
3605847.54 | 0.00892 0.00791
3605597.54 | 0.01011 0.00923
3605347.54 | 0.01311 0.01041
3605097.54 | 0.01284 0.01224
3604847.54 | 0.01769 0.01867
3604597.54 | 0.03337 0.01871
3604347.54 | 0.02218 0.01925
3604097.54 | 0.02642 0.02284
3603847.54 | 0.04235 0.03805
3603597.54 | 0.09312 0.06446
3603347.54 | 0.10717 0.08525
3603097.54 | 0.13479 0.10149
3602847.54 | 0.11809 0.12460
3602597.54 | 0.12171 0.15196
3602347.54 | 0.33007 0.40893
3602097.54 | 0.52820 0.47858
3601847.54 | 0.46295 0.41929
3601597.54 | 0.45083 0.37723
3601347.54 | 0.39198 0.37031
3601097.54 | 0.35379 0.34688

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 105
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: CTB2 ***
INCLUDING SOURCE(S): CTB2 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC
-----
508226.78 3603955.63 23.59590 507708.67
3603932.32 3.88215
506203.59 3603369.23 0.51374 507919.87
3604794.52 1.42833
507037.89 3604916.08 1.80675

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: DST1      ***
      INCLUDING SOURCE(S):      DST1      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          504118.86  504368.86  504618.86  504868.86  505118.86
505368.86  505618.86  505868.86  506118.86
-----
3606097.54 |          0.31646  0.35941  0.41303  0.48872  0.54063
0.65176    0.71218    0.71336  0.65476
3605847.54 |          0.30364  0.35023  0.40412  0.49209  0.58280
0.67681    0.76996    0.86496  0.83092
3605597.54 |          0.29771  0.33264  0.39628  0.47665  0.56360
0.66646    0.78990    0.94232  1.08629
3605347.54 |          0.34025  0.35141  0.37023  0.40857  0.51037
0.61313    0.74015    0.91433  1.11496
3605097.54 |          0.32730  0.36918  0.41287  0.42347  0.46885
0.54468    0.69732    0.82917  1.02376
3604847.54 |          0.29812  0.33227  0.36420  0.41159  0.50844
0.52287    0.60648    0.79613  0.95446
3604597.54 |          0.27877  0.30848  0.34689  0.40351  0.47972
0.49615    0.58861    0.64378  0.82529
3604347.54 |          0.25430  0.27998  0.31530  0.36130  0.42305
0.49659    0.58420    0.67005  0.69043
3604097.54 |          0.22072  0.25085  0.27499  0.30839  0.35236
0.40890    0.49843    0.57836  0.61984
3603847.54 |          0.19582  0.21847  0.25122  0.27765  0.32031
0.37089    0.42142    0.46831  0.55460
3603597.54 |          0.18840  0.20781  0.23709  0.26649  0.29464
0.33932    0.37700    0.42117  0.48838
3603347.54 |          0.18172  0.19947  0.21932  0.23727  0.25863
0.28571    0.32216    0.37439  0.46070
3603097.54 |          0.16036  0.17223  0.18778  0.21736  0.24066
0.27423    0.32687    0.37429  0.46503
3602847.54 |          0.15148  0.16975  0.19506  0.21659  0.24062
0.27192    0.32937    0.39658  0.48457
3602597.54 |          0.15623  0.17097  0.19155  0.21422  0.24744
0.29279    0.34610    0.37598  0.40155
3602347.54 |          0.15287  0.17023  0.19402  0.22326  0.25779
0.28578    0.29926    0.31408  0.34928
3602097.54 |          0.15872  0.18085  0.20343  0.21949  0.23065
0.23701    0.25342    0.28689  0.33136
3601847.54 |          0.16630  0.17856  0.18483  0.18905  0.19823
0.21226    0.23935    0.27680  0.32233
3601597.54 |          0.15481  0.15780  0.16042  0.16803  0.18148
0.20443    0.23407    0.26866  0.31801
3601347.54 |          0.13632  0.13978  0.14675  0.15919  0.17940
0.20353    0.22935    0.26624  0.31681
3601097.54 |          0.12403  0.13062  0.14264  0.16106  0.18034
0.20182    0.22906    0.27163  0.31565

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: DST1      ***
      INCLUDING SOURCE(S):      DST1      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          506368.86  506618.86  506868.86  507118.86  507368.86
507618.86  507868.86  508118.86  508368.86
-----
3606097.54 |          0.64161  0.64523  0.60212  0.55442  0.38900
0.34731    0.15181    0.12996  0.04929
3605847.54 |          0.81111  0.79390  0.82053  0.77583  0.56765
0.41961    0.31165    0.27227  0.12119
3605597.54 |          1.05520  1.04141  1.00759  1.01794  0.98009
0.54470    0.38951    0.37782  0.28652
3605347.54 |          1.34045  1.51211  1.40058  1.32447  1.22303
0.91096    0.66770    0.51840  0.19410
3605097.54 |          1.29695  1.66736  2.08920  2.34385  2.06275
1.87084    1.20047    0.71120  0.10151
3604847.54 |          1.18361  1.52364  2.11437  2.98364  3.84139
3.95675    2.60448    1.33719  0.22992
3604597.54 |          1.08793  1.46112  1.91796  2.64918  4.19880
6.79012    7.45342    1.62332  0.32528
3604347.54 |          0.91027  1.13889  1.48355  2.21336  3.61424
5.92148    12.15582    20.49810  2.80286
3604097.54 |          0.69873  0.91458  1.24630  1.73713  2.35763
3.83962    8.16688    23.00458  411.72697
3603847.54 |          0.65018  0.73328  0.94506  1.19389  1.71879
2.63998    4.98098    10.08013  47.15936
3603597.54 |          0.59778  0.70378  0.87264  1.17984  1.63344
2.41898    3.70732    7.70861  13.72168
3603347.54 |          0.56606  0.70861  0.89567  1.19602  1.41896
1.86876    3.29044    4.77676  7.09295
3603097.54 |          0.59180  0.72683  0.79487  0.90363  1.20979
1.78448    2.45505    3.28907  4.12384
3602847.54 |          0.54007  0.57805  0.66657  0.85825  1.16835
1.50430    1.93177    2.39494  2.67478
3602597.54 |          0.44285  0.50548  0.63996  0.84755  1.06576
1.23914    1.58709    1.77584  1.99407
3602347.54 |          0.40439  0.49103  0.61973  0.79470  0.91809
1.05930    1.25780    1.39329  1.50817
3602097.54 |          0.38996  0.47114  0.60036  0.69797  0.77554
0.92629    1.03162    1.12844  1.18328
3601847.54 |          0.38343  0.46940  0.56303  0.60385  0.68845
0.80361    0.87095    0.93663  0.97666
3601597.54 |          0.38176  0.45155  0.50077  0.53648  0.62688
0.69755    0.74585    0.80535  0.81528
3601347.54 |          0.37202  0.41890  0.44320  0.50112  0.57502
0.60906    0.65615    0.69077  0.70638
3601097.54 |          0.35618  0.37921  0.40795  0.47036  0.52016
0.54131    0.57497    0.60774  0.62313

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: DST1      ***
      INCLUDING SOURCE(S):      DST1      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          508618.86  508868.86  509118.86  509368.86  509618.86
509868.86  510118.86  510368.86  510618.86
-----
3606097.54 | 0.03455  0.03214  0.01836  0.03749  0.01771
0.01242  0.01222  0.01124  0.00889
3605847.54 | 0.08402  0.12013  0.03057  0.13037  0.02864
0.02050  0.01462  0.01244  0.01029
3605597.54 | 0.24501  0.17041  0.12802  0.13865  0.10671
0.04011  0.01644  0.01218  0.01126
3605347.54 | 0.11868  0.22375  0.20065  0.24198  0.13056
0.02827  0.02028  0.01515  0.01396
3605097.54 | 0.06751  0.07615  0.05682  0.03697  0.03517
0.10677  0.02855  0.02099  0.01655
3604847.54 | 0.07859  0.04930  0.04572  0.03146  0.02992
0.03030  0.04092  0.03354  0.02645
3604597.54 | 0.15238  0.09467  0.05322  0.04314  0.03843
0.03315  0.03288  0.03504  0.05062
3604347.54 | 0.81520  0.22266  0.14189  0.13038  0.06247
0.04869  0.03833  0.03675  0.03616
3604097.54 | 23.53442  5.16285  1.20623  0.38545  0.19107
0.08510  0.05971  0.05195  0.04088
3603847.54 | 28.80812  7.48398  3.57373  1.60129  0.56330
0.26384  0.16484  0.13283  0.07973
3603597.54 | 7.89408  1.06019  0.62001  0.80063  0.73484
0.54972  0.36999  0.29723  0.17366
3603347.54 | 7.25784  1.65563  0.34099  0.58915  1.32338
0.55352  0.92159  0.56325  0.24407
3603097.54 | 4.60359  3.74580  0.83035  1.96520  1.49261
1.08014  0.92351  0.34389  0.18793
3602847.54 | 2.69337  2.49801  2.35745  1.59332  1.24515
1.07323  0.85898  0.67488  0.13326
3602597.54 | 1.96056  1.79977  1.71066  1.40603  1.12743
0.95050  0.81080  0.53487  0.11663
3602347.54 | 1.55858  1.41460  1.34365  1.18869  1.06574
0.81308  0.71829  0.64893  0.49915
3602097.54 | 1.22119  1.15449  1.08059  1.00657  0.95233
0.78355  0.68220  0.58123  0.50385
3601847.54 | 0.99632  0.95947  0.92068  0.88215  0.79286
0.72392  0.62618  0.55864  0.46595
3601597.54 | 0.84367  0.84245  0.78105  0.77154  0.67698
0.64487  0.58118  0.51611  0.42613
3601347.54 | 0.72237  0.73249  0.68082  0.66967  0.59173
0.56157  0.55206  0.47118  0.37496
3601097.54 | 0.63270  0.63164  0.60248  0.57489  0.54695
0.50307  0.48691  0.41721  0.38967

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: DST1      ***
      INCLUDING SOURCE(S):      DST1      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          510868.86  511118.86
-----
3606097.54 | 0.00797  0.00722
3605847.54 | 0.00906  0.00741
3605597.54 | 0.00946  0.00838
3605347.54 | 0.01284  0.01142
3605097.54 | 0.01548  0.01438
3604847.54 | 0.01782  0.01825
3604597.54 | 0.04262  0.02240
3604347.54 | 0.02742  0.02234
3604097.54 | 0.03262  0.02752
3603847.54 | 0.06185  0.05384
3603597.54 | 0.12825  0.08841
3603347.54 | 0.12984  0.10537
3603097.54 | 0.13667  0.11033
3602847.54 | 0.09913  0.11543
3602597.54 | 0.09815  0.13110
3602347.54 | 0.32028  0.36669
3602097.54 | 0.45265  0.40135
3601847.54 | 0.40742  0.36791
3601597.54 | 0.39984  0.33691
3601347.54 | 0.35133  0.33343
3601097.54 | 0.31783  0.31409

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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PAGE 110
*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: DST1      ***
      INCLUDING SOURCE(S):      DST1      ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**
      X-COORD (M)  Y-COORD (M)  CONC          X-COORD (M)
Y-COORD (M)  CONC
-----
508226.78  3603955.63  26.00389  507708.67
3603932.32  3.52384
506203.59  3603369.23  0.49109  507919.87
3604794.52  2.40478
507037.89  3604916.08  2.68691

```


Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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PAGE 111
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0001590 , L0001591
, L0001592 , L0001593 , L0001594 ,
L0001595 , L0001596 , L0001597 , L0001598 , L0001599
, L0001600 , L0001601 , L0001602 ,
L0001603 , L0001604 , L0001605 , L0001606 , L0001607
, L0001608 , L0001609 , L0001610 ,
L0001611 , L0001612 , L0001613 , L0001614 , L0001615
, L0001616 , L0001617 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	504118.86	504368.86	504618.86	X-COORD (METERS)	504868.86	505118.86
505368.86	505618.86	505868.86	506118.86			

3606097.54		0.35333	0.38036	0.41024	0.45315	0.45614
0.51425	0.51797	0.48380	0.40516			
3605847.54		0.38082	0.42226	0.45930	0.53012	0.58030
0.60834	0.62082	0.62974	0.54261			
3605597.54		0.38770	0.43627	0.51706	0.59980	0.66130
0.71297	0.75352	0.78823	0.79849			
3605347.54		0.46281	0.47432	0.49615	0.54454	0.68620
0.78823	0.86702	0.94512	0.99389			
3605097.54		0.46666	0.53433	0.60213	0.60043	0.65194
0.74763	0.96069	1.07391	1.18360			
3604847.54		0.44656	0.51581	0.57662	0.65931	0.82606
0.79993	0.89167	1.16151	1.31942			
3604597.54		0.42118	0.48481	0.57281	0.70571	0.87359
0.91278	1.08278	1.10605	1.35021			
3604347.54		0.40079	0.45443	0.53350	0.64698	0.81214
1.02144	1.26532	1.48903	1.42916			
3604097.54		0.37104	0.44100	0.50481	0.59624	0.72720
0.91913	1.23203	1.59103	1.76920			
3603847.54		0.33952	0.39699	0.48297	0.56654	0.70228
0.88092	1.11263	1.42188	2.02145			
3603597.54		0.31644	0.36092	0.43174	0.51020	0.59920
0.75293	0.93210	1.20600	1.75669			
3603347.54		0.28815	0.33082	0.38517	0.44552	0.52720
0.63884	0.79873	1.04117	1.50811			
3603097.54		0.26855	0.30390	0.34674	0.42163	0.48098
0.56882	0.73075	0.90943	1.26860			
3602847.54		0.25749	0.29130	0.34107	0.38896	0.45234
0.53535	0.67842	0.83998	1.11215			
3602597.54		0.24900	0.28168	0.32821	0.37763	0.43825
0.51582	0.62472	0.74529	0.95299			
3602347.54		0.24537	0.27618	0.31151	0.35144	0.40699
0.47494	0.55368	0.66395	0.83525			
3602097.54		0.23922	0.26564	0.29576	0.32635	0.36762
0.41605	0.48957	0.60321	0.72983			

3601847.54		0.22841	0.24787	0.26726	0.29327	0.33321
0.38259	0.45550	0.54334	0.64787			
3601597.54		0.21030	0.22569	0.24445	0.27220	0.30912
0.36028	0.42032	0.49232	0.57367			
3601347.54		0.19370	0.20951	0.23108	0.25925	0.29787
0.34242	0.39295	0.44917	0.50259			
3601097.54		0.18304	0.20060	0.22373	0.25495	0.28863
0.32858	0.36794	0.41286	0.45329			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 112
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0001590 , L0001591
, L0001592 , L0001593 , L0001594 ,
L0001595 , L0001596 , L0001597 , L0001598 , L0001599
, L0001600 , L0001601 , L0001602 ,
L0001603 , L0001604 , L0001605 , L0001606 , L0001607
, L0001608 , L0001609 , L0001610 ,
L0001611 , L0001612 , L0001613 , L0001614 , L0001615
, L0001616 , L0001617 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	506368.86	506618.86	506868.86	X-COORD (METERS)	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54		0.39700	0.40159	0.37993	0.29302	0.24175
0.17360	0.06375	0.05749	0.02819			
3605847.54		0.48180	0.47088	0.49313	0.47801	0.26604
0.19185	0.11829	0.17056	0.06104			
3605597.54		0.67983	0.59291	0.56744	0.58693	0.37051
0.22930	0.12737	0.34836	0.36133			
3605347.54		1.01572	0.98083	0.76708	0.69226	0.64086
0.64622	0.65762	0.61707	0.09365			
3605097.54		1.28227	1.35161	1.35770	1.26603	1.06949
1.00250	0.77995	0.22688	0.05062			
3604847.54		1.54122	1.76254	1.95291	1.98477	1.69810
1.25572	0.57301	0.37608	0.09879			
3604597.54		1.68389	2.12809	2.61422	3.10633	3.09121
2.56435	1.90371	0.38834	0.11803			
3604347.54		1.84861	2.18386	2.71773	4.14638	6.28061
7.02050	7.11177	5.68295	0.72543			
3604097.54		1.91117	2.44199	3.38954	5.02424	8.38142
54.92523	31.28307	29.61184	21.25711			
3603847.54		2.67024	2.89328	3.67071	4.78145	9.67153
50.23723	9.81462	7.65038	5.48380			
3603597.54		3.08801	5.28759	6.58750	8.20659	11.50108
47.52925	8.07125	5.54630	3.90461			
3603347.54		2.36400	4.90146	54.47276	61.68889	56.01777
43.30148	8.66081	4.67489	3.40561			
3603097.54		1.86871	3.19698	6.60459	9.06462	10.13366
8.95373	5.68252	3.86206	3.02561			

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54		1.53347	2.31954	3.39434	4.45065	4.73057
4.16449	3.47592	2.79665	2.24061			
3602597.54		1.28460	1.68137	2.27341	2.78352	2.79118
2.69134	2.43875	2.01368	1.76315			
3602347.54		1.04932	1.32926	1.62488	1.85574	1.93502
1.88494	1.75804	1.55440	1.39228			
3602097.54		0.88360	1.03346	1.22362	1.32813	1.40625
1.41428	1.35950	1.24083	1.12277			
3601847.54		0.75282	0.85667	0.98015	1.03477	1.08292
1.10403	1.09245	1.01213	0.94474			
3601597.54		0.64423	0.72247	0.79524	0.84127	0.87776
0.89725	0.89330	0.85861	0.79437			
3601347.54		0.55824	0.61878	0.66829	0.71539	0.74395
0.74806	0.75752	0.72492	0.69325			
3601097.54		0.49701	0.54025	0.57938	0.61508	0.63489
0.64180	0.63913	0.63016	0.61164			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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PAGE 113
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0001590 , L0001591
, L0001592 , L0001593 , L0001594 ,
L0001595 , L0001596 , L0001597 , L0001598 , L0001599
, L0001600 , L0001601 , L0001602 ,
L0001603 , L0001604 , L0001605 , L0001606 , L0001607
, L0001608 , L0001609 , L0001610 ,
L0001611 , L0001612 , L0001613 , L0001614 , L0001615
, L0001616 , L0001617 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD					X-COORD (METERS)	
(METERS)		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.02233	0.02428	0.01608	0.02687	0.01408
0.01006	0.00862	0.00800	0.00703			
3605847.54		0.05331	0.07806	0.02338	0.09099	0.01671
0.01272	0.00981	0.00907	0.00799			
3605597.54		0.26439	0.12359	0.08375	0.07669	0.04545
0.02602	0.01219	0.00932	0.00870			
3605347.54		0.06631	0.15250	0.11457	0.09794	0.09222
0.02088	0.01527	0.01166	0.01173			
3605097.54		0.03643	0.03947	0.02676	0.01944	0.02567
0.06168	0.02006	0.01638	0.01269			
3604847.54		0.04191	0.02744	0.02308	0.01986	0.02069
0.02197	0.02720	0.02419	0.01861			
3604597.54		0.06028	0.03941	0.03005	0.02813	0.02317
0.02066	0.02306	0.02482	0.03115			
3604347.54		0.22656	0.10458	0.07592	0.06965	0.03753
0.02842	0.02249	0.02148	0.02165			
3604097.54		4.05012	1.19459	0.37278	0.14927	0.08487
0.04310	0.03245	0.02919	0.02429			

3603847.54		2.87894	1.18859	0.69198	0.38419	0.15510
0.08722	0.06303	0.05560	0.03735			
3603597.54		1.37284	0.37605	0.23143	0.24452	0.22122
0.17403	0.12571	0.10912	0.06737			
3603347.54		2.36351	0.55276	0.21570	0.28403	0.53834
0.23000	0.37027	0.22172	0.10143			
3603097.54		2.16636	1.67778	0.40422	0.92349	0.85422
0.55697	0.50660	0.17494	0.09796			
3602847.54		1.79280	1.52739	1.07997	1.03876	0.87939
0.66178	0.61733	0.42082	0.09804			
3602597.54		1.40284	1.22209	1.11532	0.90593	0.80866
0.70631	0.59342	0.31291	0.09758			
3602347.54		1.19242	1.01672	0.90629	0.80883	0.72666
0.62515	0.57162	0.47209	0.32076			
3602097.54		0.98278	0.86836	0.76094	0.71187	0.64264
0.57198	0.41671	0.35856	0.42687			
3601847.54		0.83447	0.75239	0.69972	0.63123	0.57060
0.50182	0.47424	0.36469	0.39040			
3601597.54		0.72685	0.68999	0.62800	0.56900	0.50633
0.45967	0.41935	0.39984	0.35149			
3601347.54		0.63467	0.61539	0.56499	0.52017	0.44656
0.42739	0.39277	0.35548	0.30373			
3601097.54		0.56475	0.54035	0.50807	0.47273	0.41813
0.39510	0.36624	0.30076	0.30622			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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PAGE 114
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0001590 , L0001591
, L0001592 , L0001593 , L0001594 ,
L0001595 , L0001596 , L0001597 , L0001598 , L0001599
, L0001600 , L0001601 , L0001602 ,
L0001603 , L0001604 , L0001605 , L0001606 , L0001607
, L0001608 , L0001609 , L0001610 ,
L0001611 , L0001612 , L0001613 , L0001614 , L0001615
, L0001616 , L0001617 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD				X-COORD (METERS)
(METERS)		510868.86	511118.86	

3606097.54		0.00649	0.00589
3605847.54		0.00708	0.00644
3605597.54		0.00817	0.00773
3605347.54		0.01087	0.00950
3605097.54		0.01114	0.01041
3604847.54		0.01410	0.01510
3604597.54		0.02679	0.01573
3604347.54		0.01738	0.01483
3604097.54		0.02046	0.01794
3603847.54		0.03113	0.02821
3603597.54		0.05332	0.03968
3603347.54		0.05427	0.04605

Otay Hills Quarry AERMOD Output File (HRA)

3603097.54		0.06911	0.05479
3602847.54		0.06898	0.07224
3602597.54		0.08557	0.09713
3602347.54		0.19799	0.24231
3602097.54		0.39072	0.34430
3601847.54		0.35461	0.32996
3601597.54		0.33575	0.29714
3601347.54		0.29422	0.28501
3601097.54		0.26146	0.26375

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HAUL ***
      INCLUDING SOURCE(S): L0001590 , L0001591
, L0001592 , L0001593 , L0001594 ,
      L0001595 , L0001596 , L0001597 , L0001598 , L0001599
, L0001600 , L0001601 , L0001602 ,
      L0001603 , L0001604 , L0001605 , L0001606 , L0001607
, L0001608 , L0001609 , L0001610 ,
      L0001611 , L0001612 , L0001613 , L0001614 , L0001615
, L0001616 , L0001617 , . . . ,

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POINTS ***

*** DISCRETE CARTESIAN RECEPTOR

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

508226.78	3603955.63	9.70344	507708.67	
3603932.32	19.06359			
506203.59	3603369.23	1.76148	507919.87	
3604794.52	0.51042			
507037.89	3604916.08	1.78214		

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA1 ***
      INCLUDING SOURCE(S): HMA1 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

*** DISCRETE CARTESIAN RECEPTOR

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86
	505618.86 505868.86 506118.86

3606097.54		0.03947	0.04163	0.04380	0.04603	0.04753
0.04991		0.05149	0.05203	0.05019		
3605847.54		0.03619	0.03826	0.04048	0.04313	0.04559
0.04776		0.04979	0.05187	0.05208		
3605597.54		0.03302	0.03458	0.03667	0.03903	0.04151
0.04410		0.04665	0.04933	0.05192		
3605347.54		0.03106	0.03179	0.03272	0.03406	0.03646
0.03889		0.04156	0.04453	0.04755		
3605097.54		0.02840	0.02937	0.03030	0.03083	0.03182
0.03334		0.03582	0.03812	0.04102		
3604847.54		0.02546	0.02625	0.02692	0.02776	0.02908
0.02932		0.03030	0.03233	0.03413		
3604597.54		0.02281	0.02338	0.02403	0.02491	0.02605
0.02601		0.02691	0.02721	0.02864		
3604347.54		0.02061	0.02100	0.02149	0.02209	0.02280
0.02356		0.02433	0.02476	0.02449		
3604097.54		0.01874	0.01918	0.01946	0.01984	0.02030
0.02085		0.02184	0.02232	0.02221		
3603847.54		0.01720	0.01751	0.01797	0.01821	0.01870
0.01927		0.01957	0.01971	0.02034		
3603597.54		0.01629	0.01654	0.01694	0.01729	0.01756
0.01807		0.01840	0.01882	0.01951		
3603347.54		0.01612	0.01647	0.01686	0.01721	0.01759
0.01801		0.01846	0.01892	0.01961		
3603097.54		0.01619	0.01649	0.01681	0.01732	0.01756
0.01788		0.01842	0.01876	0.01947		
3602847.54		0.01607	0.01640	0.01683	0.01717	0.01755
0.01797		0.01866	0.01932	0.02046		
3602597.54		0.01612	0.01650	0.01698	0.01746	0.01808
0.01891		0.02003	0.02112	0.02236		
3602347.54		0.01639	0.01692	0.01758	0.01843	0.01953
0.02076		0.02189	0.02282	0.02365		
3602097.54		0.01716	0.01805	0.01907	0.02015	0.02123
0.02216		0.02299	0.02390	0.02486		
3601847.54		0.01858	0.01960	0.02056	0.02144	0.02228
0.02303		0.02393	0.02516	0.02690		
3601597.54		0.01992	0.02075	0.02148	0.02217	0.02289
0.02387		0.02524	0.02706	0.02933		
3601347.54		0.02072	0.02134	0.02198	0.02273	0.02376
0.02519		0.02705	0.02929	0.03178		
3601097.54		0.02113	0.02173	0.02252	0.02365	0.02510
0.02692		0.02904	0.03155	0.03397		

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA1 ***
      INCLUDING SOURCE(S): HMA1 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

*** DISCRETE CARTESIAN RECEPTOR

Y-COORD (METERS)	X-COORD (METERS)
507618.86	506368.86 506618.86 506868.86 507118.86 507368.86
507868.86	508118.86 508368.86

Otay Hills Quarry AERMOD Output File (HRA)

3606097.54		0.04951	0.04834	0.04551	0.04942	0.04548
0.04278	0.08372	0.06504	0.05295			
3605847.54		0.05130	0.05101	0.05043	0.04832	0.05012
0.04886	0.05505	0.03833	0.06275			
3605597.54		0.05260	0.05247	0.05246	0.05191	0.05643
0.05624	0.07073	0.04178	0.03562			
3605347.54		0.05078	0.05395	0.05385	0.05351	0.05182
0.04958	0.04788	0.04389	0.07076			
3605097.54		0.04446	0.04862	0.05378	0.05871	0.05918
0.05850	0.05785	0.06707	0.06655			
3604847.54		0.03683	0.04041	0.04557	0.05293	0.06310
0.07573	0.08452	0.07776	0.17614			
3604597.54		0.03038	0.03278	0.03594	0.04115	0.05092
0.07213	0.08764	0.14662	0.30688			
3604347.54		0.02601	0.02722	0.02884	0.03208	0.03785
0.04863	0.07660	0.12187	0.15156			
3604097.54		0.02250	0.02403	0.02610	0.02897	0.03265
0.04065	0.05839	0.10343	0.26965			
3603847.54		0.02098	0.02149	0.02327	0.02551	0.03046
0.03910	0.05731	0.09554	0.16318			
3603597.54		0.02070	0.02159	0.02283	0.02499	0.02757
0.03232	0.04077	0.05356	0.08620			
3603347.54		0.02029	0.02110	0.02162	0.02308	0.02526
0.02687	0.03135	0.03895	0.05491			
3603097.54		0.02026	0.02119	0.02220	0.02314	0.02412
0.02609	0.02948	0.03487	0.04235			
3602847.54		0.02178	0.02292	0.02336	0.02426	0.02573
0.02769	0.03046	0.03485	0.03834			
3602597.54		0.02351	0.02376	0.02501	0.02682	0.02852
0.03015	0.03328	0.03592	0.03824			
3602347.54		0.02438	0.02577	0.02768	0.02982	0.03135
0.03319	0.03618	0.03776	0.03916			
3602097.54		0.02640	0.02842	0.03082	0.03252	0.03402
0.03648	0.03885	0.03992	0.04064			
3601847.54		0.02905	0.03147	0.03358	0.03493	0.03676
0.03939	0.04111	0.04202	0.04237			
3601597.54		0.03182	0.03407	0.03567	0.03709	0.03937
0.04170	0.04293	0.04398	0.04389			
3601347.54		0.03417	0.03597	0.03737	0.03921	0.04165
0.04343	0.04448	0.04554	0.04531			
3601097.54		0.03588	0.03737	0.03889	0.04110	0.04333
0.04472	0.04566	0.04686	0.04647			

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA1
INCLUDING SOURCE(S): HMA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509368.86
510118.86	509618.86
510368.86	
510618.86	

3606097.54		0.02212	0.03402	0.01431	0.05060	0.01218
0.00935	0.00799	0.00759	0.00642			
3605847.54		0.06262	0.03952	0.02448	0.02809	0.01595
0.01237	0.01002	0.00922	0.00767			
3605597.54		0.03298	0.03389	0.03842	0.03663	0.05932
0.07399	0.01231	0.00920	0.00844			
3605347.54		0.08525	0.03616	0.03659	0.03719	0.03445
0.03930	0.01407	0.01165	0.01133			
3605097.54		0.03345	0.08126	0.03016	0.02058	0.05101
0.05405	0.02209	0.01453	0.01189			
3604847.54		0.04180	0.03103	0.02581	0.02117	0.02082
0.01989	0.04553	0.03153	0.01611			
3604597.54		0.06729	0.04497	0.03327	0.02906	0.02300
0.01971	0.02103	0.02115	0.05098			
3604347.54		0.21672	0.25049	0.11999	0.13330	0.03510
0.02730	0.02213	0.02182	0.02222			
3604097.54		0.24586	0.17271	0.26974	0.35753	0.08226
0.04626	0.03618	0.03272	0.02753			
3603847.54		3.12481	1.47552	0.76838	0.64894	0.25271
0.11304	0.08175	0.06707	0.04868			
3603597.54		0.39943	1.69174	0.57995	0.82555	0.70256
0.46118	0.21956	0.18824	0.08736			
3603347.54		0.09433	0.71915	0.32264	0.69829	0.31867
0.54559	0.29207	0.37468	0.14012			
3603097.54		0.05843	0.09138	0.59879	0.13943	0.15947
0.18752	0.18991	0.35435	0.10841			
3602847.54		0.04367	0.06306	0.09363	0.08891	0.09997
0.12496	0.13246	0.14987	0.08688			
3602597.54		0.04024	0.05227	0.07015	0.07613	0.08189
0.08972	0.10039	0.15057	0.07309			
3602347.54		0.04014	0.04784	0.06304	0.07210	0.07553
0.07755	0.08209	0.10008	0.11104			
3602097.54		0.04075	0.04618	0.05830	0.06964	0.07341
0.07417	0.09282	0.09557	0.07920			
3601847.54		0.04194	0.04580	0.05537	0.06716	0.07226
0.07276	0.07338	0.08658	0.07345			
3601597.54		0.04330	0.04636	0.05324	0.06429	0.07096
0.07252	0.07194	0.07237	0.07029			
3601347.54		0.04451	0.04689	0.05196	0.06135	0.06906
0.07205	0.07194	0.07034	0.06812			
3601097.54		0.04559	0.04728	0.05117	0.05852	0.06687
0.07104	0.07142	0.06910	0.06822			

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA1
INCLUDING SOURCE(S): HMA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

Otay Hills Quarry AERMOD Output File (HRA)

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- - - - -
3606097.54 |      0.00582      0.00523
3605847.54 |      0.00665      0.00586
3605597.54 |      0.00774      0.00696
3605347.54 |      0.01025      0.00839
3605097.54 |      0.01012      0.00943
3604847.54 |      0.01317      0.01354
3604597.54 |      0.03250      0.01502
3604347.54 |      0.01825      0.01572
3604097.54 |      0.02325      0.02031
3603847.54 |      0.04013      0.03553
3603597.54 |      0.06974      0.05496
3603347.54 |      0.08138      0.06820
3603097.54 |      0.08695      0.07445
3602847.54 |      0.07347      0.07371
3602597.54 |      0.06567      0.10279
3602347.54 |      0.17168      0.12384
3602097.54 |      0.08328      0.08997
3601847.54 |      0.07325      0.07400
3601597.54 |      0.07080      0.06865
3601347.54 |      0.06740      0.06687
3601097.54 |      0.06578      0.06526

*** AERMOD - VERSION 18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***   05/16/19
*** AERMET - VERSION 18081 ***   ***
***      16:35:25

PAGE 120
*** MODELOPTs:      RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA1 ***
      INCLUDING SOURCE(S):      HMA1      ,

*** DISCRETE CARTESIAN RECEPTOR
POINTS ***

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

      X-COORD (M)      Y-COORD (M)      CONC      X-COORD (M)
Y-COORD (M)      CONC
- - - - -
      508226.78      3603955.63      0.14333      507708.67
3603932.32      0.04527
      506203.59      3603369.23      0.01983      507919.87
3604794.52      0.09659
      507037.89      3604916.08      0.05309

*** AERMOD - VERSION 18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***   05/16/19
*** AERMET - VERSION 18081 ***   ***
***      16:35:25

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PAGE 121
*** MODELOPTs:      RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA2 ***
      INCLUDING SOURCE(S):      HMA2      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

      Y-COORD      |      504118.86      504368.86      504618.86      X-COORD (METERS)
(METERS) |      504868.86      505118.86
505368.86      505618.86      505868.86      506118.86
- - - - -

3606097.54 |      0.27156      0.30696      0.34938      0.40571      0.44153
0.52080      0.56283      0.56449      0.52276
3605847.54 |      0.26678      0.30491      0.34750      0.41765      0.48757
0.55451      0.61751      0.68042      0.65134
3605597.54 |      0.25696      0.29096      0.34748      0.41536      0.48466
0.56439      0.65603      0.76040      0.85224
3605347.54 |      0.28877      0.29820      0.31672      0.35438      0.44686
0.53741      0.63968      0.77388      0.91423
3605097.54 |      0.28758      0.32009      0.35416      0.36189      0.39963
0.46680      0.60470      0.72804      0.88869
3604847.54 |      0.27317      0.30398      0.33088      0.36991      0.44907
0.45593      0.52120      0.67614      0.81600
3604597.54 |      0.25606      0.28354      0.31916      0.37196      0.44311
0.45807      0.54056      0.58693      0.73444
3604347.54 |      0.24158      0.26516      0.29765      0.33998      0.39665
0.46452      0.54633      0.62626      0.65015
3604097.54 |      0.22423      0.25428      0.27897      0.31296      0.35750
0.41446      0.50545      0.58583      0.62804
3603847.54 |      0.20681      0.23098      0.26557      0.29346      0.33834
0.39232      0.44423      0.49245      0.58175
3603597.54 |      0.19374      0.21272      0.24160      0.27026      0.29831
0.34348      0.38393      0.43421      0.51295
3603347.54 |      0.18352      0.20305      0.22623      0.24943      0.27806
0.31289      0.35604      0.41015      0.49444
3603097.54 |      0.17599      0.19240      0.21114      0.24289      0.26423
0.29439      0.34636      0.39476      0.48112
3602847.54 |      0.16967      0.18625      0.20971      0.23031      0.25609
0.28814      0.34059      0.39236      0.47401
3602597.54 |      0.16669      0.18297      0.20520      0.22791      0.25555
0.29029      0.33769      0.38237      0.44048
3602347.54 |      0.16493      0.18103      0.19990      0.22177      0.25177
0.28669      0.31919      0.34887      0.38230
3602097.54 |      0.16365      0.17997      0.19900      0.21805      0.24011
0.25864      0.27933      0.30835      0.33769
3601847.54 |      0.16277      0.17660      0.18917      0.20215      0.21758
0.23172      0.25305      0.27998      0.31724
3601597.54 |      0.15678      0.16614      0.17432      0.18423      0.19625
0.21381      0.23522      0.26448      0.30294
3601347.54 |      0.14645      0.15284      0.16065      0.17097      0.18620
0.20403      0.22629      0.25515      0.28809
3601097.54 |      0.13582      0.14265      0.15234      0.16626      0.18082
0.19959      0.22095      0.24953      0.27854

*** AERMOD - VERSION 18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***   05/16/19
*** AERMET - VERSION 18081 ***   ***
***      16:35:25

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PAGE 122
*** MODELOPTs:      RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA2 ***
      INCLUDING SOURCE(S):      HMA2      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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Otay Hills Quarry AERMOD Output File (HRA)

```

**
** CONC OF TAC      IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) |
507618.86 506368.86 506618.86 506868.86 507118.86 507368.86
507618.86 507868.86 508118.86 508368.86
-----
3606097.54 | 0.53249 0.55368 0.52929 0.55043 0.46998
0.33805 | 0.13719 0.11819 0.04412
3605847.54 | 0.63717 0.64928 0.69337 0.68378 0.53172
0.39450 | 0.28677 0.31400 0.11168
3605597.54 | 0.81685 0.80136 0.80736 0.84361 0.82720
0.50112 | 0.32574 0.62036 0.59643
3605347.54 | 1.05521 1.15099 1.05027 1.02924 0.98304
0.86579 | 0.79006 0.75875 0.18044
3605097.54 | 1.09054 1.33260 1.57361 1.69465 1.54316
1.46305 | 1.25607 0.61248 0.08508
3604847.54 | 1.03212 1.32564 1.75213 2.25750 2.65657
2.73951 | 1.70705 1.03015 0.18729
3604597.54 | 0.94112 1.24004 1.64066 2.29288 3.34373
4.48404 | 4.52615 1.05590 0.24503
3604347.54 | 0.85356 1.06458 1.36745 1.96800 3.07520
4.96997 | 8.24997 9.17928 1.81554
3604097.54 | 0.71009 0.92654 1.25863 1.75271 2.38401
3.86556 | 8.00061 19.77692 31.66067
3603847.54 | 0.68001 0.76965 0.99151 1.26718 1.85006
2.87004 | 5.13355 10.59318 56.55793
3603597.54 | 0.64232 0.76388 0.93447 1.22822 1.60835
2.41587 | 4.13619 6.83711 16.49388
3603347.54 | 0.59638 0.73403 0.88217 1.18035 1.61166
1.93316 | 2.88031 4.47887 7.55596
3603097.54 | 0.58556 0.71439 0.85874 1.01006 1.21231
1.58424 | 2.23939 3.05510 4.07608
3602847.54 | 0.56526 0.65290 0.72198 0.85095 1.05689
1.32982 | 1.73834 2.19567 2.54534
3602597.54 | 0.49684 0.53094 0.63176 0.78190 0.92963
1.12810 | 1.39177 1.59516 1.84966
3602347.54 | 0.41721 0.48262 0.57655 0.69623 0.81985
0.94155 | 1.10016 1.22944 1.37776
3602097.54 | 0.38292 0.44131 0.53005 0.61058 0.70179
0.80046 | 0.90117 0.98302 1.06772
3601847.54 | 0.36264 0.41894 0.48954 0.54173 0.60812
0.68528 | 0.75598 0.80726 0.87144
3601597.54 | 0.34443 0.39311 0.44079 0.48359 0.53814
0.59377 | 0.64215 0.68817 0.72103
3601347.54 | 0.32542 0.36387 0.39934 0.44146 0.48603
0.51885 | 0.56004 0.58827 0.62076
3601097.54 | 0.30801 0.33625 0.36727 0.40337 0.43644
0.46078 | 0.48565 0.51638 0.54428

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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PAGE 123
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA2 ***
INCLUDING SOURCE(S): HMA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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**
** CONC OF TAC      IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) |
509868.86 508618.86 508868.86 509118.86 509368.86 509618.86
509868.86 510118.86 510368.86 510618.86
-----
3606097.54 | 0.03288 0.03437 0.02070 0.03695 0.01910
0.01305 | 0.01151 0.01086 0.00914
3605847.54 | 0.08920 0.13545 0.03123 0.14901 0.02634
0.01986 | 0.01420 0.01256 0.01045
3605597.54 | 0.59525 0.21838 0.14179 0.14590 0.10234
0.04383 | 0.01790 0.01250 0.01138
3605347.54 | 0.10872 0.28255 0.21524 0.22109 0.20042
0.03101 | 0.01982 0.01558 0.01509
3605097.54 | 0.06489 0.06988 0.05180 0.03586 0.03992
0.10190 | 0.02703 0.02164 0.01579
3604847.54 | 0.08385 0.05254 0.04296 0.03272 0.02993
0.03082 | 0.03838 0.03267 0.02455
3604597.54 | 0.13763 0.08689 0.05413 0.04367 0.03407
0.02978 | 0.03217 0.03348 0.04159
3604347.54 | 0.49579 0.20232 0.11759 0.09963 0.05582
0.04128 | 0.03218 0.03104 0.03161
3604097.54 | 15.76557 2.14020 0.59302 0.23129 0.13172
0.06765 | 0.05013 0.04441 0.03611
3603847.54 | 70.45663 8.12553 2.73876 1.13189 0.38325
0.18418 | 0.12110 0.10038 0.06355
3603597.54 | 8.25229 1.52615 1.04973 0.94906 0.70281
0.48023 | 0.31513 0.25059 0.14220
3603347.54 | 9.01542 1.52386 0.41939 0.67191 1.51840
0.56596 | 0.93809 0.50016 0.21282
3603097.54 | 5.09038 4.30190 0.75427 2.27831 1.81333
1.21260 | 1.08909 0.33728 0.18409
3602847.54 | 2.71669 2.56953 2.70069 1.81058 1.43933
1.25373 | 1.03946 0.75600 0.14606
3602597.54 | 1.89883 1.81593 1.77089 1.46130 1.26735
1.08187 | 0.92379 0.53327 0.11451
3602347.54 | 1.46132 1.39281 1.30471 1.21923 1.11805
0.90249 | 0.80332 0.72970 0.51586
3602097.54 | 1.12177 1.10298 1.03030 1.00291 0.95076
0.83470 | 0.72744 0.60287 0.55593
3601847.54 | 0.90073 0.89421 0.88067 0.83661 0.79418
0.71846 | 0.67505 0.59589 0.50909
3601597.54 | 0.75094 0.77092 0.74320 0.71132 0.66052
0.63190 | 0.58521 0.55888 0.46106
3601347.54 | 0.63611 0.66059 0.63737 0.61668 0.55483
0.55315 | 0.53339 0.48334 0.40340
3601097.54 | 0.55266 0.56436 0.55316 0.53591 0.49648
0.48435 | 0.47240 0.40529 0.40621

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA2 ***
INCLUDING SOURCE(S): HMA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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Otay Hills Quarry AERMOD Output File (HRA)

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

Y-COORD |      X-COORD (METERS)
(METERS) |      510868.86      511118.86
-----|-----
3606097.54 |      0.00822      0.00741
3605847.54 |      0.00910      0.00816
3605597.54 |      0.01044      0.00925
3605347.54 |      0.01321      0.01097
3605097.54 |      0.01399      0.01352
3604847.54 |      0.01893      0.01938
3604597.54 |      0.03565      0.01986
3604347.54 |      0.02541      0.02143
3604097.54 |      0.02962      0.02541
3603847.54 |      0.05073      0.04472
3603597.54 |      0.10421      0.07315
3603347.54 |      0.10929      0.08836
3603097.54 |      0.12699      0.09896
3602847.54 |      0.10459      0.11394
3602597.54 |      0.10566      0.13375
3602347.54 |      0.29807      0.36872
3602097.54 |      0.50459      0.45725
3601847.54 |      0.44436      0.40381
3601597.54 |      0.43368      0.36401
3601347.54 |      0.37770      0.35823
3601097.54 |      0.34041      0.33578

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
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*** MODELOPTs:      RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA2 ***
INCLUDING SOURCE(S):      HMA2 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)      Y-COORD (M)      CONC      X-COORD (M)
Y-COORD (M)      CONC
-----|-----
508226.78      3603955.63      28.26041      507708.67
3603932.32      3.89988
506203.59      3603369.23      0.52590      507919.87
3604794.52      1.53184
507037.89      3604916.08      2.03358

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA3 ***
INCLUDING SOURCE(S):      HMA3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD |      X-COORD (METERS)
(METERS) |      504118.86      504368.86      504618.86      504868.86      505118.86
505368.86      505618.86      505868.86      506118.86
-----|-----
3606097.54 |      0.27528      0.31101      0.35339      0.40895      0.44336
0.51997      0.55909      0.55794      0.51463
3605847.54 |      0.27019      0.30916      0.35251      0.42306      0.49266
0.55797      0.61793      0.67663      0.64408
3605597.54 |      0.25945      0.29432      0.35202      0.42141      0.49201
0.57229      0.66282      0.76353      0.84911
3605347.54 |      0.29094      0.30071      0.32000      0.35890      0.45321
0.54631      0.65085      0.78591      0.92301
3605097.54 |      0.29054      0.32327      0.35757      0.36566      0.40431
0.47309      0.61424      0.74203      0.90701
3604847.54 |      0.27664      0.30799      0.33536      0.37494      0.45498
0.46226      0.52872      0.68605      0.83085
3604597.54 |      0.25912      0.28721      0.32366      0.37767      0.45059
0.46618      0.55046      0.59867      0.74854
3604347.54 |      0.24437      0.26843      0.30158      0.34481      0.40280
0.47250      0.55681      0.63948      0.66643
3604097.54 |      0.22707      0.25768      0.28294      0.31771      0.36331
0.42173      0.51533      0.59824      0.64262
3603847.54 |      0.20945      0.23410      0.26940      0.29797      0.34398
0.39949      0.45295      0.50281      0.59526
3603597.54 |      0.19583      0.21514      0.24450      0.27370      0.30236
0.34850      0.38996      0.44163      0.52256
3603347.54 |      0.18527      0.20510      0.22867      0.25231      0.28149
0.31703      0.36108      0.41636      0.50250
3603097.54 |      0.17764      0.19429      0.21331      0.24548      0.26716
0.29780      0.35058      0.39988      0.48796
3602847.54 |      0.17110      0.18785      0.21157      0.23244      0.25860
0.29116      0.34441      0.39717      0.48088
3602597.54 |      0.16793      0.18440      0.20689      0.22991      0.25793
0.29322      0.34161      0.38771      0.44795
3602347.54 |      0.16612      0.18240      0.20149      0.22368      0.25422
0.28999      0.32353      0.35419      0.38845
3602097.54 |      0.16478      0.18131      0.20067      0.22017      0.24282
0.26190      0.28306      0.31261      0.34248
3601847.54 |      0.16397      0.17809      0.19101      0.20433      0.22008
0.23444      0.25608      0.28350      0.32155
3601597.54 |      0.15811      0.16771      0.17608      0.18613      0.19830
0.21609      0.23787      0.26770      0.30697
3601347.54 |      0.14776      0.15425      0.16215      0.17258      0.18801
0.20612      0.22878      0.25820      0.29181
3601097.54 |      0.13697      0.14386      0.15365      0.16775      0.18253
0.20161      0.22336      0.25246      0.28197

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

Otay Hills Quarry AERMOD Output File (HRA)

*** THE ANNUAL AVERAGE CONCENTRATION
3 YEARS FOR SOURCE GROUP: HMA3

INCLUDING SOURCE(S): HMA3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	506368.86	506618.86	506868.86	X-COORD (METERS)	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54		0.52321	0.54253	0.51395	0.52985	0.45659
0.33347		0.13546	0.11544	0.04345		
3605847.54		0.62625	0.63641	0.67634	0.65863	0.50559
0.38914		0.27895	0.30516	0.11214		
3605597.54		0.80792	0.78616	0.78884	0.81806	0.78061
0.48536		0.31937	0.60508	0.58500		
3605347.54		1.05533	1.13820	1.02816	1.00118	0.94479
0.81990		0.76435	0.73596	0.17906		
3605097.54		1.10922	1.34175	1.56025	1.65139	1.48983
1.38374		1.18590	0.58467	0.08217		
3604847.54		1.05587	1.35906	1.78403	2.25445	2.58305
2.61821		1.54240	0.99330	0.17912		
3604597.54		0.95928	1.26782	1.68854	2.36835	3.39720
4.36857		4.23810	1.00002	0.22783		
3604347.54		0.87605	1.09515	1.40945	2.03197	3.20337
5.20651		8.13199	8.10409	1.62119		
3604097.54		0.72956	0.95445	1.30199	1.82503	2.50591
4.10927		8.65830	21.39105	22.82836		
3603847.54		0.69761	0.79318	1.02576	1.31989	1.94013
3.04670		5.56996	12.05868	81.25277		
3603597.54		0.65585	0.78159	0.95863	1.26430	1.66286
2.51818		4.41197	7.52433	18.83337		
3603347.54		0.60693	0.74831	0.90094	1.21107	1.67019
2.01921		3.04097	4.81646	8.11346		
3603097.54		0.59494	0.72794	0.87922	1.03952	1.25157
1.64514		2.34433	3.21623	4.27874		
3602847.54		0.57556	0.66744	0.73924	0.87273	1.08792
1.37556		1.80556	2.27982	2.64255		
3602597.54		0.50644	0.54122	0.64509	0.80078	0.95462
1.16136		1.43586	1.64425	1.90563		
3602347.54		0.42405	0.49119	0.58806	0.71169	0.83926
0.96619		1.12902	1.26106	1.41279		
3602097.54		0.38880	0.44882	0.54004	0.62276	0.71678
0.81884		0.92099	1.00471	1.09131		
3601847.54		0.36806	0.42579	0.49798	0.55151	0.62009
0.69886		0.77033	0.82279	0.88821		
3601597.54		0.34941	0.39909	0.44769	0.49170	0.54774
0.60392		0.65297	0.69972	0.73340		
3601347.54		0.32985	0.36893	0.40513	0.44837	0.49371
0.52666		0.56850	0.59707	0.63022		
3601097.54		0.31188	0.34058	0.37231	0.40922	0.44254
0.46699		0.49236	0.52329	0.55173		

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
3 YEARS FOR SOURCE GROUP: HMA3

INCLUDING SOURCE(S): HMA3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	508618.86	508868.86	509118.86	X-COORD (METERS)	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.03232	0.03373	0.02045	0.03683	0.01885
0.01291		0.01138	0.01074	0.00905		
3605847.54		0.08789	0.13503	0.03093	0.14898	0.02612
0.01959		0.01401	0.01241	0.01032		
3605597.54		0.58213	0.21553	0.14158	0.14634	0.10320
0.04350		0.01763	0.01233	0.01124		
3605347.54		0.10762	0.27805	0.21494	0.22194	0.19829
0.03054		0.01954	0.01535	0.01489		
3605097.54		0.06246	0.06841	0.05054	0.03494	0.03908
0.10261		0.02661	0.02131	0.01553		
3604847.54		0.07941	0.05065	0.04163	0.03175	0.02914
0.03012		0.03775	0.03223	0.02410		
3604597.54		0.12854	0.08257	0.05182	0.04210	0.03301
0.02879		0.03126	0.03266	0.04072		
3604347.54		0.45961	0.18673	0.11089	0.09542	0.05337
0.03975		0.03100	0.02983	0.03047		
3604097.54		12.95764	1.96816	0.54701	0.21262	0.12243
0.06364		0.04759	0.04237	0.03464		
3603847.54		65.45415	7.13625	2.46549	1.02899	0.34447
0.16801		0.11200	0.09374	0.05988		
3603597.54		8.55002	1.69385	1.11304	0.93585	0.68257
0.46511		0.30420	0.24207	0.13596		
3603347.54		9.26784	1.51250	0.44736	0.70317	1.54673
0.57197		0.94119	0.49749	0.20923		
3603097.54		5.22774	4.36318	0.75946	2.24717	1.79840
1.22831		1.09768	0.34108	0.18432		
3602847.54		2.78019	2.59225	2.70496	1.78246	1.41894
1.24273		1.03657	0.76575	0.14994		
3602597.54		1.93917	1.83348	1.78351	1.45487	1.25003
1.06903		0.91508	0.53490	0.11669		
3602347.54		1.48834	1.40615	1.31173	1.22555	1.10888
0.89194		0.79512	0.72442	0.51404		
3602097.54		1.14097	1.11314	1.03656	1.00820	0.95093
0.82743		0.72299	0.60145	0.55170		
3601847.54		0.91486	0.90222	0.88616	0.83949	0.79821
0.71594		0.66944	0.59224	0.50508		
3601597.54		0.76163	0.77729	0.74768	0.71396	0.66332
0.63355		0.58198	0.55466	0.45727		
3601347.54		0.64441	0.66583	0.64090	0.61951	0.55641
0.55575		0.53302	0.48039	0.40078		
3601097.54		0.55925	0.56872	0.55601	0.53856	0.49780
0.48598		0.47403	0.40434	0.40379		

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

Otay Hills Quarry AERMOD Output File (HRA)

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA3 ***
INCLUDING SOURCE(S): HMA3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54	0.00814	0.00734
3605847.54	0.00900	0.00809
3605597.54	0.01032	0.00915
3605347.54	0.01305	0.01082
3605097.54	0.01373	0.01328
3604847.54	0.01861	0.01909
3604597.54	0.03494	0.01940
3604347.54	0.02463	0.02087
3604097.54	0.02855	0.02458
3603847.54	0.04811	0.04265
3603597.54	0.09966	0.07005
3603347.54	0.10672	0.08615
3603097.54	0.12641	0.09798
3602847.54	0.10654	0.11469
3602597.54	0.10858	0.13651
3602347.54	0.29982	0.37218
3602097.54	0.50093	0.45501
3601847.54	0.44139	0.40107
3601597.54	0.43063	0.36189
3601347.54	0.37494	0.35595
3601097.54	0.33837	0.33348

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** *** 05/16/19 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA3 ***
INCLUDING SOURCE(S): HMA3 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	34.85461	507708.67
3603932.32	4.19152		
506203.59	3603369.23	0.53482	507919.87
3604794.52	1.38497		
507037.89	3604916.08	2.02773	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
*** 05/16/19 ***

*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HMA4 ***
INCLUDING SOURCE(S): HMA4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86

3606097.54	0.04095	0.04322	0.04549	0.04781	0.04934
0.05176	0.05333	0.05375	0.05168		
3605847.54	0.03754	0.03972	0.04206	0.04484	0.04740
0.04963	0.05170	0.05379	0.05388		
3605597.54	0.03426	0.03589	0.03808	0.04058	0.04319
0.04591	0.04855	0.05130	0.05394		
3605347.54	0.03224	0.03302	0.03400	0.03541	0.03792
0.04048	0.04330	0.04641	0.04953		
3605097.54	0.02947	0.03048	0.03149	0.03205	0.03310
0.03469	0.03729	0.03971	0.04276		
3604847.54	0.02638	0.02722	0.02794	0.02882	0.03022
0.03048	0.03153	0.03363	0.03551		
3604597.54	0.02360	0.02420	0.02488	0.02581	0.02701
0.02697	0.02793	0.02824	0.02973		
3604347.54	0.02130	0.02170	0.02221	0.02283	0.02358
0.02437	0.02517	0.02560	0.02532		
3604097.54	0.01935	0.01980	0.02008	0.02048	0.02095
0.02150	0.02255	0.02302	0.02288		
3603847.54	0.01774	0.01806	0.01853	0.01878	0.01928
0.01988	0.02017	0.02030	0.02093		
3603597.54	0.01682	0.01708	0.01750	0.01786	0.01814
0.01866	0.01901	0.01943	0.02013		
3603347.54	0.01665	0.01701	0.01741	0.01777	0.01817
0.01860	0.01906	0.01952	0.02023		
3603097.54	0.01670	0.01701	0.01734	0.01786	0.01812
0.01846	0.01903	0.01939	0.02015		
3602847.54	0.01657	0.01691	0.01737	0.01773	0.01814
0.01860	0.01934	0.02009	0.02133		
3602597.54	0.01663	0.01704	0.01755	0.01808	0.01876
0.01967	0.02088	0.02204	0.02333		
3602347.54	0.01695	0.01752	0.01824	0.01916	0.02034
0.02164	0.02281	0.02377	0.02466		
3602097.54	0.01780	0.01876	0.01985	0.02097	0.02208
0.02303	0.02390	0.02489	0.02597		
3601847.54	0.01931	0.02037	0.02136	0.02225	0.02310
0.02389	0.02489	0.02625	0.02817		
3601597.54	0.02066	0.02149	0.02223	0.02295	0.02372
0.02479	0.02630	0.02829	0.03073		
3601347.54	0.02143	0.02206	0.02273	0.02353	0.02467
0.02622	0.02821	0.03062	0.03327		
3601097.54	0.02182	0.02246	0.02331	0.02453	0.02610
0.02804	0.03030	0.03293	0.03545		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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Otay Hills Quarry AERMOD Output File (HRA)

*** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: HMA4
 INCLUDING SOURCE(S): HMA4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507118.86
507868.86	507368.86
508118.86	
508368.86	

3606097.54	0.05081	0.04948	0.04640	0.05081	0.04595
0.04359	0.08653	0.06702	0.05050		
3605847.54	0.05287	0.05236	0.05159	0.04923	0.05096
0.05016	0.05723	0.03874	0.06557		
3605597.54	0.05450	0.05413	0.05383	0.05304	0.05747
0.05795	0.07430	0.04234	0.03594		
3605347.54	0.05282	0.05597	0.05560	0.05490	0.05286
0.05033	0.04850	0.04424	0.07419		
3605097.54	0.04634	0.05063	0.05589	0.06076	0.06074
0.05961	0.05881	0.06928	0.06277		
3604847.54	0.03835	0.04211	0.04750	0.05517	0.06567
0.07749	0.08810	0.08029	0.17866		
3604597.54	0.03153	0.03403	0.03735	0.04285	0.05321
0.07605	0.09025	0.15468	0.29106		
3604347.54	0.02688	0.02813	0.02981	0.03318	0.03926
0.05077	0.08096	0.12786	0.15624		
3604097.54	0.02317	0.02473	0.02686	0.02984	0.03370
0.04220	0.06142	0.11185	0.28921		
3603847.54	0.02157	0.02208	0.02390	0.02621	0.03136
0.04044	0.05987	0.10080	0.15899		
3603597.54	0.02135	0.02224	0.02348	0.02565	0.02823
0.03302	0.04167	0.05530	0.08909		
3603347.54	0.02093	0.02175	0.02227	0.02380	0.02607
0.02767	0.03245	0.04031	0.05654		
3603097.54	0.02100	0.02202	0.02309	0.02403	0.02509
0.02726	0.03076	0.03637	0.04379		
3602847.54	0.02274	0.02392	0.02436	0.02538	0.02705
0.02909	0.03206	0.03644	0.03982		
3602597.54	0.02455	0.02483	0.02624	0.02826	0.03006
0.03178	0.03513	0.03762	0.03984		
3602347.54	0.02547	0.02704	0.02917	0.03144	0.03302
0.03506	0.03812	0.03964	0.04088		
3602097.54	0.02769	0.02991	0.03246	0.03422	0.03583
0.03850	0.04082	0.04193	0.04245		
3601847.54	0.03050	0.03310	0.03527	0.03669	0.03870
0.04144	0.04310	0.04411	0.04424		
3601597.54	0.03338	0.03571	0.03738	0.03892	0.04139
0.04373	0.04495	0.04610	0.04579		
3601347.54	0.03573	0.03760	0.03909	0.04109	0.04366
0.04542	0.04652	0.04766	0.04722		
3601097.54	0.03743	0.03897	0.04061	0.04301	0.04529
0.04665	0.04769	0.04893	0.04837		

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: HMA4
 INCLUDING SOURCE(S): HMA4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509368.86
510118.86	509618.86
510368.86	
510618.86	

3606097.54	0.02166	0.03252	0.01423	0.04926	0.01211
0.00933	0.00799	0.00757	0.00640		
3605847.54	0.06423	0.04133	0.02371	0.02914	0.01559
0.01235	0.00999	0.00914	0.00764		
3605597.54	0.03303	0.03496	0.04005	0.03867	0.06255
0.07178	0.01225	0.00914	0.00842		
3605347.54	0.08792	0.03715	0.03802	0.03922	0.03547
0.03728	0.01395	0.01161	0.01129		
3605097.54	0.03309	0.07765	0.02921	0.02049	0.04795
0.05741	0.02130	0.01447	0.01185		
3604847.54	0.04153	0.03064	0.02564	0.02097	0.02068
0.01974	0.04339	0.03000	0.01604		
3604597.54	0.06640	0.04433	0.03290	0.02876	0.02281
0.01962	0.02099	0.02106	0.04886		
3604347.54	0.22669	0.23258	0.11342	0.12755	0.03501
0.02729	0.02217	0.02184	0.02222		
3604097.54	0.24298	0.17860	0.29258	0.34462	0.08082
0.04635	0.03622	0.03272	0.02751		
3603847.54	3.13829	1.43230	0.77904	0.66637	0.23945
0.11238	0.08143	0.06687	0.04859		
3603597.54	0.44130	1.60248	0.54669	0.77433	0.66905
0.43788	0.20935	0.17941	0.08687		
3603347.54	0.09875	0.74866	0.29634	0.68666	0.32379
0.53755	0.29879	0.37897	0.13644		
3603097.54	0.06102	0.09453	0.61049	0.14222	0.16251
0.19061	0.19236	0.34612	0.10705		
3602847.54	0.04559	0.06614	0.09774	0.09096	0.10199
0.12718	0.13561	0.15281	0.08577		
3602597.54	0.04213	0.05525	0.07305	0.07849	0.08418
0.09209	0.10320	0.15592	0.07056		
3602347.54	0.04208	0.05059	0.06630	0.07480	0.07794
0.07982	0.08423	0.10187	0.11439		
3602097.54	0.04275	0.04875	0.06161	0.07257	0.07596
0.07649	0.09596	0.09874	0.08099		
3601847.54	0.04397	0.04825	0.05853	0.07026	0.07490
0.07510	0.07558	0.08893	0.07523		
3601597.54	0.04534	0.04873	0.05613	0.06745	0.07367
0.07490	0.07406	0.07446	0.07198		
3601347.54	0.04655	0.04919	0.05460	0.06438	0.07182
0.07438	0.07404	0.07221	0.06982		
3601097.54	0.04760	0.04949	0.05360	0.06132	0.06961
0.07335	0.07347	0.07091	0.06989		

*** AERMOD - VERSION 18081 ***
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Otay Hills Quarry AERMOD Output File (HRA)

*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: HMA4
 INCLUDING SOURCE(S): HMA4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54	0.00580	0.00522
3605847.54	0.00662	0.00584
3605597.54	0.00771	0.00694
3605347.54	0.01022	0.00837
3605097.54	0.01010	0.00941
3604847.54	0.01315	0.01354
3604597.54	0.03142	0.01500
3604347.54	0.01826	0.01571
3604097.54	0.02323	0.02029
3603847.54	0.04007	0.03548
3603597.54	0.06948	0.05479
3603347.54	0.08092	0.06787
3603097.54	0.08636	0.07410
3602847.54	0.07301	0.07340
3602597.54	0.06503	0.09958
3602347.54	0.17614	0.12728
3602097.54	0.08519	0.09221
3601847.54	0.07473	0.07538
3601597.54	0.07243	0.06997
3601347.54	0.06891	0.06828
3601097.54	0.06731	0.06663

*** AERMOD - VERSION 18081 ***
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 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: HMA4
 INCLUDING SOURCE(S): HMA4 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	0.15820	507708.67
3603932.32	0.04708		

506203.59	3603369.23	0.02046	507919.87
3604794.52	0.10140		
507037.89	3604916.08	0.05531	

*** AERMOD - VERSION 18081 ***
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 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: HSI1
 INCLUDING SOURCE(S): HSI1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86
505618.86	504368.86
505868.86	504618.86
506118.86	504868.86

3606097.54	0.26340	0.29670	0.33611	0.38750	0.42009
0.49045	0.52771	0.52965	0.49337		
3605847.54	0.25848	0.29470	0.33484	0.39927	0.46281
0.52279	0.57848	0.63356	0.60922		
3605597.54	0.24824	0.28075	0.33381	0.39720	0.46140
0.53404	0.61585	0.70721	0.78634		
3605347.54	0.27678	0.28618	0.30440	0.34048	0.42609
0.51021	0.60391	0.72394	0.84593		
3605097.54	0.27712	0.30714	0.33845	0.34636	0.38189
0.44450	0.57063	0.68432	0.82916		
3604847.54	0.26502	0.29413	0.31945	0.35572	0.42804
0.43519	0.49502	0.63408	0.76170		
3604597.54	0.24856	0.27494	0.30897	0.35897	0.42624
0.44037	0.51626	0.55996	0.69165		
3604347.54	0.23476	0.25734	0.28827	0.32839	0.38194
0.44605	0.52306	0.59753	0.62369		
3604097.54	0.21925	0.24801	0.27175	0.30424	0.34656
0.40043	0.48655	0.56156	0.60200		
3603847.54	0.20302	0.22638	0.25969	0.28660	0.32978
0.38177	0.43117	0.47703	0.56166		
3603597.54	0.18929	0.20752	0.23503	0.26233	0.28902
0.33173	0.36992	0.41733	0.49069		
3603347.54	0.17857	0.19723	0.21935	0.24149	0.26870
0.30160	0.34200	0.39206	0.46886		
3603097.54	0.17143	0.18712	0.20490	0.23465	0.25442
0.28214	0.32946	0.37305	0.45042		
3602847.54	0.16472	0.18016	0.20190	0.22090	0.24465
0.27407	0.32171	0.36842	0.44409		
3602597.54	0.16079	0.17603	0.19676	0.21781	0.24316
0.27500	0.31975	0.36583	0.43051		
3602347.54	0.15888	0.17388	0.19129	0.21161	0.24035
0.27595	0.31234	0.34691	0.38055		
3602097.54	0.15721	0.17252	0.19105	0.21097	0.23533
0.25701	0.27900	0.30504	0.32728		
3601847.54	0.15693	0.17143	0.18571	0.20083	0.21760
0.23090	0.24869	0.27067	0.30287		
3601597.54	0.15402	0.16494	0.17438	0.18429	0.19464
0.20919	0.22731	0.25336	0.28833		

Otay Hills Quarry AERMOD Output File (HRA)

3601347.54		0.14638	0.15313	0.16020	0.16877	0.18169
0.19729	0.21744	0.24393	0.27471			
3601097.54		0.13587	0.14168	0.14982	0.16202	0.17504
0.19229	0.21199	0.23876	0.26732			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HSI1
INCLUDING SOURCE(S): HSI1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD					X-COORD (METERS)	
(METERS)		506368.86	506618.86	506868.86	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54		0.50224	0.52111	0.50219	0.53165	0.45676
0.33457	0.15918	0.13733	0.04629			
3605847.54		0.59703	0.60812	0.64688	0.64405	0.54830
0.39568	0.31335	0.33397	0.12664			
3605597.54		0.75689	0.74383	0.74977	0.78266	0.84343
0.52478	0.35605	0.58270	0.54954			
3605347.54		0.96549	1.04544	0.96243	0.94532	0.91213
0.82185	0.73254	0.70014	0.21752			
3605097.54		1.00508	1.20819	1.40475	1.50232	1.38239
1.33057	1.16937	0.67396	0.08635			
3604847.54		0.95701	1.21517	1.57197	1.97324	2.28718
2.39424	1.81758	1.06657	0.21294			
3604597.54		0.87356	1.13595	1.48695	2.03663	2.85565
3.72602	3.83873	1.31981	0.24747			
3604347.54		0.80805	0.99720	1.26119	1.76547	2.67653
4.13645	6.27248	6.91130	2.26621			
3604097.54		0.68152	0.88000	1.17948	1.61777	2.16836
3.37183	6.38670	13.24038	19.14289			
3603847.54		0.65490	0.74352	0.95026	1.20923	1.73309
2.62707	4.51225	8.71698	33.30050			
3603597.54		0.61019	0.72074	0.87349	1.12915	1.44606
2.08509	3.50075	5.91316	14.49343			
3603347.54		0.56008	0.68074	0.80591	1.06090	1.46708
1.84315	2.54984	3.95469	7.78000			
3603097.54		0.54307	0.65894	0.80267	0.97815	1.16925
1.42541	2.01354	2.94054	4.24891			
3602847.54		0.53647	0.63766	0.71341	0.81286	0.96414
1.21710	1.65560	2.18776	2.65105			
3602597.54		0.49499	0.52183	0.60022	0.72217	0.85876
1.07612	1.35308	1.61855	1.90893			
3602347.54		0.40666	0.45828	0.53797	0.64847	0.78141
0.91465	1.08929	1.25206	1.41732			
3602097.54		0.36445	0.41536	0.49758	0.58270	0.68225
0.78340	0.90280	1.00052	1.09613			
3601847.54		0.34339	0.39579	0.46729	0.52691	0.59484
0.67650	0.76123	0.82055	0.89122			
3601597.54		0.32703	0.37593	0.42813	0.47384	0.52793
0.59096	0.64765	0.69763	0.73577			

3601347.54		0.31177	0.35307	0.39153	0.43288	0.47874
0.51930	0.56427	0.59579	0.63123			
3601097.54		0.29862	0.32959	0.36089	0.39589	0.43239
0.46231	0.48918	0.52219	0.55184			

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: HSI1
INCLUDING SOURCE(S): HSI1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD					X-COORD (METERS)	
(METERS)		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.03342	0.03535	0.02111	0.03828	0.01947
0.01303	0.01133	0.01089	0.00936			
3605847.54		0.10673	0.14626	0.03127	0.15670	0.02648
0.01990	0.01438	0.01302	0.01072			
3605597.54		0.56309	0.23647	0.15931	0.15501	0.10364
0.05596	0.01891	0.01293	0.01146			
3605347.54		0.12902	0.31503	0.23456	0.22412	0.23577
0.03421	0.02185	0.01542	0.01512			
3605097.54		0.06448	0.07042	0.05213	0.03584	0.04488
0.10872	0.02612	0.02138	0.01577			
3604847.54		0.08424	0.04973	0.04264	0.03425	0.03176
0.02992	0.03775	0.03322	0.02413			
3604597.54		0.13688	0.08651	0.05660	0.04547	0.03385
0.02803	0.03046	0.03215	0.03988			
3604347.54		0.49922	0.23486	0.11641	0.09818	0.05183
0.04019	0.03125	0.02908	0.02900			
3604097.54		12.34069	2.32188	0.49035	0.19261	0.11489
0.06045	0.04614	0.04156	0.03403			
3603847.54		273.86700	9.19156	2.82149	1.09358	0.32889
0.15977	0.10677	0.09000	0.05757			
3603597.54		14.62686	2.49043	1.56867	1.20420	0.81718
0.53196	0.33340	0.25913	0.13982			
3603347.54		11.42841	2.19458	0.54577	0.87434	1.96417
0.68369	1.13164	0.57788	0.22921			
3603097.54		5.86719	5.19481	0.99144	2.87069	2.08774
1.45940	1.27621	0.39093	0.20406			
3602847.54		2.99303	2.93594	3.03369	2.05893	1.60360
1.41439	1.14799	0.87223	0.16533			
3602597.54		2.04315	2.02414	1.95639	1.62277	1.39929
1.18302	1.00577	0.62031	0.12697			
3602347.54		1.54123	1.52052	1.42479	1.31940	1.21794
0.97872	0.86335	0.79024	0.57901			
3602097.54		1.17365	1.18635	1.11251	1.07561	1.01730
0.89792	0.81471	0.67151	0.58777			
3601847.54		0.93580	0.95127	0.93778	0.89126	0.84042
0.76522	0.71888	0.65434	0.53655			
3601597.54		0.77499	0.80968	0.78537	0.75148	0.69718
0.66466	0.61936	0.59109	0.48494			

Otay Hills Quarry AERMOD Output File (HRA)

3601347.54		0.65332	0.68838	0.66937	0.64661	0.58492
0.57826	0.55888	0.50859	0.42474			
3601097.54		0.56502	0.58509	0.57782	0.55916	0.51990
0.50568	0.49113	0.42610	0.42516			

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: HSI1
 INCLUDING SOURCE(S): HSI1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD				X-COORD (METERS)
(METERS)		510868.86	511118.86	

3606097.54		0.00836	0.00749
3605847.54		0.00921	0.00819
3605597.54		0.01046	0.00943
3605347.54		0.01343	0.01079
3605097.54		0.01338	0.01272
3604847.54		0.01835	0.01924
3604597.54		0.03471	0.01933
3604347.54		0.02366	0.02032
3604097.54		0.02814	0.02425
3603847.54		0.04652	0.04137
3603597.54		0.10094	0.07013
3603347.54		0.11323	0.09009
3603097.54		0.13715	0.10481
3602847.54		0.11604	0.12407
3602597.54		0.11753	0.14890
3602347.54		0.34179	0.41532
3602097.54		0.53286	0.48331
3601847.54		0.46599	0.42208
3601597.54		0.45473	0.37977
3601347.54		0.39522	0.37328
3601097.54		0.35644	0.34946

```

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: HSI1
 INCLUDING SOURCE(S): HSI1 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

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

508226.78	3603955.63	18.87238	507708.67
3603932.32	3.49224		
506203.59	3603369.23	0.49785	507919.87
3604794.52	1.73201		
507037.89	3604916.08	1.78969	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: OFFRD
 INCLUDING SOURCE(S): OFFRD ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD				X-COORD (METERS)
(METERS)		504118.86	504368.86	504618.86
505368.86	505618.86	505868.86	506118.86	

3606097.54		0.31738	0.34111	0.36385	0.38948	0.39484
0.42167	0.42137	0.40000	0.36039			
3605847.54		0.32472	0.35923	0.39095	0.43411	0.46572
0.48416	0.49131	0.49233	0.44729			
3605597.54		0.31517	0.35480	0.40936	0.46605	0.51090
0.54721	0.57402	0.59227	0.59159			
3605347.54		0.33160	0.35211	0.38344	0.42987	0.51368
0.58325	0.63877	0.68757	0.70864			
3605097.54		0.32405	0.36081	0.40196	0.42504	0.47712
0.55123	0.67014	0.75206	0.81807			
3604847.54		0.31670	0.34859	0.37841	0.42228	0.50526
0.53247	0.61298	0.75725	0.87152			
3604597.54		0.30852	0.33929	0.37790	0.43355	0.50942
0.53038	0.61979	0.69030	0.84030			
3604347.54		0.29451	0.32425	0.36338	0.41263	0.47673
0.55267	0.64323	0.73125	0.78767			
3604097.54		0.27343	0.31054	0.34325	0.38685	0.44261
0.51256	0.62233	0.71764	0.78124			
3603847.54		0.25311	0.28377	0.32709	0.36445	0.42297
0.49500	0.56512	0.63505	0.75581			
3603597.54		0.23389	0.25823	0.29371	0.33044	0.36818
0.42634	0.48277	0.55508	0.66300			
3603347.54		0.21166	0.23468	0.26210	0.29067	0.32590
0.36892	0.42227	0.48920	0.58902			
3603097.54		0.19210	0.21047	0.23146	0.26475	0.28898
0.32204	0.37461	0.42480	0.50884			
3602847.54		0.17721	0.19376	0.21625	0.23615	0.26050
0.29004	0.33573	0.38019	0.45035			
3602597.54		0.16656	0.18113	0.20049	0.21997	0.24304
0.27140	0.31064	0.35225	0.41723			
3602347.54		0.15703	0.17033	0.18562	0.20327	0.22796
0.25975	0.29671	0.34139	0.39836			

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.54 |      0.14906      0.16229      0.17844      0.19690      0.22196
0.25044      0.28689      0.33440      0.37832
3601847.54 |      0.14538      0.15917      0.17490      0.19490      0.22124
0.24914      0.28294      0.31740      0.35445
3601597.54 |      0.14477      0.15941      0.17604      0.19625      0.21839
0.24300      0.26619      0.29075      0.31869
3601347.54 |      0.14665      0.16109      0.17710      0.19377      0.21163
0.22735      0.24313      0.26288      0.28825
3601097.54 |      0.14815      0.16054      0.17322      0.18668      0.19708
0.20934      0.22375      0.24742      0.27793

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: OFFRD
INCLUDING SOURCE(S): OFFRD ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

```

Y-COORD |      X-COORD (METERS)
(METERS) |      506368.86      506618.86      506868.86      507118.86      507368.86
507618.86      507868.86      508118.86      508368.86

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```

3606097.54 |      0.34719      0.32509      0.27629      0.26190      0.22287
0.20461      0.14820      0.12272      0.04630
3605847.54 |      0.41488      0.39468      0.36821      0.31571      0.28350
0.24544      0.21175      0.17811      0.11470
3605597.54 |      0.53044      0.48584      0.44970      0.40193      0.37582
0.30608      0.25570      0.21028      0.16702
3605347.54 |      0.70774      0.67892      0.58097      0.51133      0.41470
0.33200      0.29235      0.24717      0.17850
3605097.54 |      0.85651      0.86677      0.84921      0.78711      0.63748
0.49892      0.40796      0.35686      0.06415
3604847.54 |      0.99126      1.07170      1.11174      1.09772      1.02361
0.86777      0.65124      0.48919      0.20266
3604597.54 |      1.02348      1.22714      1.38122      1.46399      1.46014
1.35709      1.03047      0.66165      0.16765
3604347.54 |      0.99374      1.20755      1.45518      1.75986      2.01727
1.99571      1.69167      1.14796      0.78560
3604097.54 |      0.90507      1.15204      1.50655      1.96334      2.38392
2.81749      3.00758      2.31450      1.34883
3603847.54 |      0.89535      1.05374      1.35590      1.77084      2.48757
3.48297      4.64616      5.02788      3.55636
3603597.54 |      0.83468      1.01105      1.26275      1.67372      2.25119
3.35186      5.43333      8.39527      12.77163
3603347.54 |      0.71133      0.87468      1.05551      1.39712      1.94916
2.66960      4.35364      8.47133      20.69896
3603097.54 |      0.60916      0.73176      0.88471      1.10053      1.42951
1.96706      3.03319      5.59721      16.95752
3602847.54 |      0.53777      0.64498      0.75665      0.93348      1.18134
1.57127      2.30839      3.92698      8.62919
3602597.54 |      0.50039      0.56441      0.69261      0.85772      1.04153
1.35593      1.92946      3.08208      5.32181
3602347.54 |      0.45603      0.53793      0.63726      0.75595      0.91199
1.16962      1.66747      2.48433      3.52410

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3602097.54 |      0.43086      0.48681      0.56247      0.65091      0.81031
1.07604      1.47233      1.97473      2.47986
3601847.54 |      0.39090      0.43395      0.50351      0.60059      0.76498
0.99174      1.27324      1.57571      1.85381
3601597.54 |      0.34930      0.39809      0.47399      0.58104      0.72478
0.89372      1.09019      1.28804      1.44028
3601347.54 |      0.32656      0.38428      0.46329      0.56570      0.67780
0.79634      0.94337      1.06533      1.16850
3601097.54 |      0.32119      0.38012      0.45503      0.53753      0.62085
0.71337      0.81260      0.90351      0.97682

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: OFFRD
INCLUDING SOURCE(S): OFFRD ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

```

Y-COORD |      X-COORD (METERS)
(METERS) |      508618.86      508868.86      509118.86      509368.86      509618.86
509868.86      510118.86      510368.86      510618.86

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```

3606097.54 |      0.03000      0.03274      0.01921      0.03679      0.01436
0.00991      0.00868      0.00825      0.00734
3605847.54 |      0.10036      0.10572      0.02797      0.09483      0.02021
0.01552      0.01093      0.01037      0.00916
3605597.54 |      0.15229      0.13221      0.11527      0.10232      0.07922
0.04997      0.01604      0.01080      0.01023
3605347.54 |      0.12628      0.15910      0.14096      0.12108      0.11429
0.03445      0.02193      0.01479      0.01410
3605097.54 |      0.04468      0.05719      0.03482      0.02426      0.03974
0.12936      0.02788      0.01934      0.01360
3604847.54 |      0.05152      0.03321      0.02604      0.02160      0.02523
0.02833      0.03287      0.02528      0.01783
3604597.54 |      0.07117      0.04752      0.03176      0.03152      0.02477
0.02098      0.02163      0.02167      0.02999
3604347.54 |      0.35299      0.10403      0.07519      0.07372      0.03315
0.02349      0.01791      0.01741      0.01777
3604097.54 |      0.83746      0.65805      0.35813      0.09448      0.04973
0.02671      0.02139      0.02048      0.01802
3603847.54 |      1.72861      1.11763      0.72053      0.35199      0.07499
0.04221      0.03399      0.03247      0.02423
3603597.54 |      8.40176      0.57966      0.22967      0.21677      0.20754
0.15884      0.10267      0.09669      0.04801
3603347.54 |      59.38620      5.82404      1.00463      0.90878      1.85052
0.52375      0.94233      0.51111      0.11991
3603097.54 |      68.81174      37.73554      3.88666      4.89984      2.79633
2.05929      1.48150      0.44965      0.16470
3602847.54 |      18.85852      16.02906      8.51620      4.01926      2.69681
2.22730      1.58535      1.30990      0.23024
3602597.54 |      7.64984      7.19437      4.80988      2.92045      2.11170
1.71119      1.43487      1.17240      0.26020
3602347.54 |      4.33970      4.24522      3.34979      2.43159      1.74688
1.30442      1.11724      1.05572      0.91974

```

Otay Hills Quarry AERMOD Output File (HRA)

3602097.54		2.84615	2.85437	2.43135	2.00443	1.54502
1.17357		1.13483	0.93723	0.70921		
3601847.54		2.04224	2.07101	1.87908	1.61855	1.35497
1.05334		0.88348	0.85284	0.61920		
3601597.54		1.55866	1.60836	1.49122	1.32219	1.14793
0.96839		0.79210	0.70108	0.55998		
3601347.54		1.23761	1.28807	1.21600	1.10741	0.95995
0.87464		0.74752	0.62157	0.50382		
3601097.54		1.01810	1.05080	1.01239	0.93840	0.83322
0.77051		0.69059	0.55470	0.50403		

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: OFFRD
 INCLUDING SOURCE(S): OFFRD ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00699	0.00662
3605847.54		0.00830	0.00725
3605597.54		0.00942	0.00827
3605347.54		0.01195	0.00929
3605097.54		0.01111	0.01002
3604847.54		0.01329	0.01388
3604597.54		0.02559	0.01360
3604347.54		0.01485	0.01310
3604097.54		0.01599	0.01459
3603847.54		0.02120	0.01994
3603597.54		0.03826	0.02914
3603347.54		0.04999	0.04114
3603097.54		0.09680	0.06822
3602847.54		0.13510	0.12812
3602597.54		0.20465	0.22105
3602347.54		0.64021	0.67468
3602097.54		0.65459	0.60788
3601847.54		0.53590	0.49005
3601597.54		0.51158	0.42462
3601347.54		0.45057	0.41419
3601097.54		0.41435	0.39056

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: OFFRD
 INCLUDING SOURCE(S): OFFRD ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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

508226.78	3603955.63	3.11735	507708.67
3603932.32	3.63848		
506203.59	3603369.23	0.63285	507919.87
3604794.52	0.63688		
507037.89	3604916.08	1.02818	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: PLO
 INCLUDING SOURCE(S): PLO ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504618.86	504868.86
505118.86	505618.86

3606097.54		0.27398	0.30825	0.34820	0.40076	0.42884
0.50200		0.53511	0.52793	0.47810		
3605847.54		0.27013	0.30952	0.35205	0.42199	0.48776
0.54605		0.59693	0.64613	0.60165		
3605597.54		0.25718	0.29333	0.35369	0.42462	0.49433
0.57061		0.65262	0.73993	0.80941		
3605347.54		0.28967	0.29831	0.31651	0.35602	0.45561
0.55048		0.65313	0.77978	0.89879		
3605097.54		0.29169	0.32343	0.35661	0.36161	0.39881
0.46950		0.61744	0.74733	0.90776		
3604847.54		0.28089	0.31218	0.33852	0.37666	0.45601
0.45718		0.52052	0.68392	0.83280		
3604597.54		0.26328	0.29217	0.32964	0.38493	0.45820
0.47256		0.55588	0.59426	0.74263		
3604347.54		0.24803	0.27252	0.30650	0.35098	0.41063
0.48222		0.56884	0.65504	0.67402		
3604097.54		0.23181	0.26339	0.28927	0.32501	0.37201
0.43223		0.52735	0.61339	0.65928		
3603847.54		0.21483	0.24051	0.27728	0.30711	0.35499
0.41255		0.46900	0.52212	0.61983		
3603597.54		0.19965	0.21942	0.24966	0.27963	0.30901
0.35647		0.39906	0.45198	0.53549		
3603347.54		0.18739	0.20763	0.23170	0.25580	0.28559
0.32182		0.36661	0.42245	0.50891		
3603097.54		0.17970	0.19661	0.21580	0.24838	0.26972
0.29974		0.35200	0.39986	0.48584		

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54		0.17243	0.18895	0.21242	0.23274	0.25828
0.29008	0.34252	0.39385	0.47758			
3602597.54		0.16788	0.18410	0.20644	0.22907	0.25643
0.29097	0.33998	0.39099	0.46312			
3602347.54		0.16570	0.18168	0.20026	0.22197	0.25316
0.29217	0.33239	0.37095	0.40834			
3602097.54		0.16382	0.18009	0.19995	0.22144	0.24816
0.27211	0.29642	0.32489	0.34949			
3601847.54		0.16347	0.17901	0.19443	0.21096	0.22939
0.24388	0.26321	0.28720	0.32261			
3601597.54		0.16057	0.17240	0.18264	0.19340	0.20455
0.22026	0.23990	0.26830	0.30664			
3601347.54		0.15270	0.15996	0.16755	0.17671	0.19058
0.20740	0.22921	0.25802	0.29159			
3601097.54		0.14158	0.14776	0.15643	0.16945	0.18343
0.20200	0.22331	0.25234	0.28323			

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: PLO
 INCLUDING SOURCE(S): PLO
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507118.86
507868.86	507368.86
508118.86	
508368.86	

3606097.54		0.48823	0.50967	0.48148	0.48801	0.36179
0.29921	0.11641	0.10238	0.04059			
3605847.54		0.57618	0.58830	0.63126	0.61212	0.44163
0.34174	0.23948	0.27108	0.09509			
3605597.54		0.75042	0.71530	0.71923	0.75293	0.67342
0.41429	0.26623	0.55700	0.53821			
3605347.54		1.00494	1.06058	0.92339	0.89301	0.84028
0.74201	0.70371	0.67965	0.14880			
3605097.54		1.08987	1.28055	1.44224	1.48802	1.32607
1.22771	1.05533	0.47567	0.07440			
3604847.54		1.06175	1.35235	1.71749	2.06255	2.24353
2.17756	1.14406	0.77165	0.15459			
3604597.54		0.95379	1.26663	1.69152	2.32135	3.09470
3.54089	3.21869	0.71730	0.19035			
3604347.54		0.89056	1.10241	1.39978	2.02112	3.17628
4.87221	6.39132	5.73429	1.12437			
3604097.54		0.74227	0.98028	1.34843	1.89406	2.57125
4.14094	8.39636	15.83141	12.10486			
3603847.54		0.72803	0.82361	1.07260	1.38098	2.06429
3.29491	6.15515	13.48787	85.82715			
3603597.54		0.67260	0.80238	0.98340	1.29283	1.68066
2.49854	4.43695	8.15307	25.34888			
3603347.54		0.61192	0.74921	0.89546	1.19543	1.68286
2.17643	3.13342	5.06208	10.62426			
3603097.54		0.58904	0.72024	0.88809	1.09987	1.33530
1.65206	2.39602	3.54872	5.17530			

3602847.54		0.58041	0.69575	0.78799	0.90533	1.08669
1.38551	1.90703	2.53763	3.04723			
3602597.54		0.53483	0.56806	0.65721	0.79896	0.95843
1.20515	1.52794	1.81200	2.14610			
3602347.54		0.43785	0.49591	0.58668	0.71320	0.86244
1.00849	1.20392	1.37452	1.56046			
3602097.54		0.39082	0.44768	0.54022	0.63412	0.74313
0.85537	0.98292	1.08491	1.18824			
3601847.54		0.36744	0.42554	0.50456	0.56811	0.64231
0.73177	0.82042	0.88178	0.95826			
3601597.54		0.34916	0.40262	0.45883	0.50764	0.56711
0.63393	0.69266	0.74630	0.78490			
3601347.54		0.33184	0.37619	0.41719	0.46253	0.51242
0.55315	0.60102	0.63372	0.67115			
3601097.54		0.31673	0.34956	0.38336	0.42188	0.46041
0.49020	0.51835	0.55359	0.58526			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: PLO
 INCLUDING SOURCE(S): PLO
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509118.86
510118.86	509368.86
510368.86	509618.86
510618.86	

3606097.54		0.03078	0.03223	0.01944	0.03333	0.01826
0.01237	0.01093	0.01050	0.00903			
3605847.54		0.07873	0.11383	0.02844	0.12504	0.02436
0.01870	0.01368	0.01235	0.01031			
3605597.54		0.36300	0.18398	0.11813	0.11915	0.08020
0.04451	0.01758	0.01234	0.01100			
3605347.54		0.09408	0.23557	0.17430	0.17001	0.17999
0.03054	0.02015	0.01462	0.01439			
3605097.54		0.05769	0.06058	0.04689	0.03287	0.03940
0.07812	0.02378	0.01988	0.01490			
3604847.54		0.07299	0.04522	0.03806	0.03111	0.02869
0.02729	0.03335	0.02947	0.02213			
3604597.54		0.11404	0.07493	0.04998	0.04016	0.03080
0.02580	0.02777	0.02914	0.03453			
3604347.54		0.35103	0.18649	0.09432	0.08145	0.04545
0.03622	0.02876	0.02656	0.02630			
3604097.54		5.76840	1.11144	0.31531	0.14522	0.09231
0.05148	0.04033	0.03686	0.03077			
3603847.54		22.41077	3.40493	1.43931	0.66477	0.23144
0.12271	0.08599	0.07411	0.04913			
3603597.54		10.06178	3.07507	1.45985	0.98950	0.66058
0.43189	0.27260	0.21236	0.11796			
3603347.54		13.70809	1.59405	0.61225	0.87582	1.57584
0.59303	0.88538	0.46131	0.20444			
3603097.54		6.76557	5.54718	0.74736	2.45406	2.06417
1.31322	1.15701	0.34949	0.19174			

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54		3.32935	3.12660	3.08170	2.04008	1.59956
1.26899		1.15488	0.80246	0.16513		
3602597.54		2.23167	2.13043	2.06934	1.64668	1.39327
1.17787		0.99497	0.51315	0.12655		
3602347.54		1.67479	1.59610	1.48391	1.37804	1.23042
0.97425		0.86380	0.77030	0.50727		
3602097.54		1.25909	1.24158	1.15256	1.12052	1.04959
0.90214		0.73899	0.60693	0.58960		
3601847.54		0.99611	0.99232	0.97635	0.92284	0.87463
0.77642		0.72184	0.60910	0.53840		
3601597.54		0.82164	0.84805	0.81616	0.77782	0.72014
0.68514		0.62476	0.59253	0.48525		
3601347.54		0.68998	0.72058	0.69438	0.67011	0.59878
0.59846		0.57141	0.51162	0.42310		
3601097.54		0.59560	0.61072	0.59854	0.57889	0.53326
0.52051		0.50680	0.42758	0.42738		

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: PLO
 INCLUDING SOURCE(S): PLO ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00811	0.00726
3605847.54		0.00887	0.00796
3605597.54		0.01009	0.00905
3605347.54		0.01281	0.01037
3605097.54		0.01269	0.01212
3604847.54		0.01729	0.01800
3604597.54		0.03061	0.01820
3604347.54		0.02153	0.01876
3604097.54		0.02575	0.02240
3603847.54		0.04038	0.03637
3603597.54		0.08650	0.06102
3603347.54		0.10263	0.08167
3603097.54		0.12982	0.09870
3602847.54		0.11627	0.12002
3602597.54		0.11908	0.14335
3602347.54		0.28219	0.37181
3602097.54		0.53177	0.48211
3601847.54		0.46849	0.42381
3601597.54		0.45599	0.38167
3601347.54		0.39517	0.37502
3601097.54		0.35532	0.35036

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: PLO
 INCLUDING SOURCE(S): PLO ,
 *** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	30.81775	507708.67
3603932.32	4.49933		
506203.59	3603369.23	0.54186	507919.87
3604794.52	1.00323		
507037.89	3604916.08	1.86294	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: RAP1
 INCLUDING SOURCE(S): RAP1 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
505368.86	505618.86
505618.86	505868.86
506118.86	504868.86
505118.86	

3606097.54		0.27122	0.30556	0.34601	0.39961	0.42979
0.50500		0.54096	0.53664	0.48890		
3605847.54		0.26712	0.30584	0.34803	0.41776	0.48448
0.54516		0.59956	0.65297	0.61291		
3605597.54		0.25513	0.29028	0.34914	0.41864	0.48767
0.56447		0.64897	0.74110	0.81722		
3605347.54		0.28776	0.29622	0.31390	0.35218	0.44905
0.54172		0.64335	0.77138	0.89628		
3605097.54		0.28905	0.32072	0.35374	0.35890	0.39532
0.46391		0.60737	0.73365	0.89259		
3604847.54		0.27721	0.30814	0.33439	0.37239	0.45101
0.45293		0.51536	0.67426	0.81750		
3604597.54		0.25974	0.28796	0.32457	0.37868	0.45060
0.46494		0.54720	0.58635	0.73239		
3604347.54		0.24494	0.26893	0.30215	0.34556	0.40369
0.47330		0.55738	0.64071	0.65971		
3604097.54		0.22864	0.25957	0.28488	0.31981	0.36567
0.42434		0.51708	0.60034	0.64409		

Otay Hills Quarry AERMOD Output File (HRA)

3603847.54		0.21160	0.23667	0.27255	0.30155	0.34813
0.40403	0.45856	0.50961	0.60359			
3603597.54		0.19698	0.21635	0.24594	0.27525	0.30392
0.35020	0.39162	0.44303	0.52398			
3603347.54		0.18540	0.20529	0.22892	0.25255	0.28172
0.31717	0.36092	0.41544	0.49984			
3603097.54		0.17785	0.19447	0.21334	0.24536	0.26637
0.29597	0.34744	0.39465	0.47929			
3602847.54		0.17078	0.18713	0.21036	0.23050	0.25580
0.28725	0.33899	0.38966	0.47201			
3602597.54		0.16662	0.18272	0.20482	0.22721	0.25428
0.28846	0.33674	0.38628	0.45506			
3602347.54		0.16458	0.18042	0.19885	0.22039	0.25115
0.28919	0.32766	0.36388	0.39936			
3602097.54		0.16281	0.17898	0.19858	0.21953	0.24522
0.26784	0.29092	0.31873	0.34361			
3601847.54		0.16248	0.17765	0.19246	0.20816	0.22573
0.23977	0.25905	0.28318	0.31838			
3601597.54		0.15914	0.17041	0.18011	0.19049	0.20155
0.21734	0.23703	0.26519	0.30297			
3601347.54		0.15082	0.15779	0.16525	0.17446	0.18840
0.20520	0.22681	0.25522	0.28822			
3601097.54		0.13977	0.14595	0.15469	0.16773	0.18167
0.20005	0.22108	0.24967	0.27992			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: RAP1
 INCLUDING SOURCE(S): RAP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)				X-COORD (METERS)		
507618.86	507868.86	506618.86	506868.86	507118.86	507368.86	
508118.86	508368.86					

3606097.54		0.49922	0.52177	0.49666	0.50827	0.37792
0.30810	0.12165	0.10708	0.04162			
3605847.54		0.59080	0.60340	0.64895	0.63589	0.46986
0.35321	0.25253	0.28381	0.09860			
3605597.54		0.76512	0.73573	0.74090	0.77917	0.72332
0.43582	0.28064	0.57422	0.55195			
3605347.54		1.01255	1.08066	0.95319	0.92605	0.88071
0.78243	0.72816	0.70194	0.15701			
3605097.54		1.07948	1.28466	1.46967	1.53901	1.38129
1.30054	1.11716	0.51300	0.07772			
3604847.54		1.03895	1.32726	1.70838	2.09846	2.34069
2.31245	1.30198	0.82935	0.16488			
3604597.54		0.93814	1.23919	1.64700	2.27550	3.12456
3.74294	3.54225	0.79080	0.20659			
3604347.54		0.87038	1.07823	1.36929	1.96604	3.06643
4.79948	6.79537	6.57856	1.30434			
3604097.54		0.72412	0.95209	1.30290	1.82154	2.46702
3.95720	7.93818	16.65001	15.81636			

3603847.54		0.70719	0.79833	1.03482	1.32529	1.96215
3.08831	5.63171	11.78755	65.59321			
3603597.54		0.65663	0.78151	0.95519	1.25117	1.62103
2.39891	4.22177	7.40320	21.17504			
3603347.54		0.60042	0.73457	0.87740	1.16970	1.63798
2.08029	2.95471	4.72685	9.48536			
3603097.54		0.58084	0.70948	0.87123	1.06733	1.28220
1.59295	2.29679	3.33859	4.80140			
3602847.54		0.57181	0.68038	0.76431	0.87778	1.05807
1.34452	1.82996	2.41253	2.88244			
3602597.54		0.52217	0.55350	0.64206	0.78194	0.93586
1.16870	1.47223	1.73804	2.05186			
3602347.54		0.42875	0.48688	0.57635	0.69919	0.84150
0.97969	1.16519	1.32682	1.50332			
3602097.54		0.38492	0.44099	0.53124	0.62153	0.72555
0.83295	0.95477	1.05213	1.15092			
3601847.54		0.36256	0.41941	0.49597	0.55677	0.62810
0.71417	0.79931	0.85821	0.93174			
3601597.54		0.34468	0.39670	0.45088	0.49787	0.55540
0.61989	0.67654	0.72830	0.76554			
3601347.54		0.32754	0.37050	0.41008	0.45406	0.50244
0.54184	0.58817	0.61986	0.65609			
3601097.54		0.31247	0.34424	0.37706	0.41456	0.45197
0.48088	0.50817	0.54245	0.57315			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: RAP1
 INCLUDING SOURCE(S): RAP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)				X-COORD (METERS)		
509868.86	510118.86	510368.86	510618.86	509368.86	509618.86	

3606097.54		0.03146	0.03292	0.01983	0.03406	0.01862
0.01255	0.01109	0.01064	0.00912			
3605847.54		0.08197	0.11787	0.02911	0.12950	0.02484
0.01908	0.01388	0.01250	0.01040			
3605597.54		0.38212	0.19167	0.12289	0.12385	0.08348
0.04517	0.01781	0.01247	0.01113			
3605347.54		0.09850	0.24713	0.18216	0.17795	0.18702
0.03102	0.02032	0.01490	0.01463			
3605097.54		0.05998	0.06292	0.04845	0.03388	0.04014
0.08180	0.02456	0.02038	0.01519			
3604847.54		0.07673	0.04712	0.03954	0.03201	0.02923
0.02821	0.03449	0.03030	0.02275			
3604597.54		0.12216	0.07908	0.05214	0.04136	0.03187
0.02668	0.02891	0.03020	0.03610			
3604347.54		0.38702	0.20110	0.09919	0.08682	0.04821
0.03786	0.02964	0.02751	0.02751			
3604097.54		10.13883	1.27786	0.35358	0.16286	0.10156
0.05563	0.04296	0.03887	0.03217			

Otay Hills Quarry AERMOD Output File (HRA)

3603847.54		45.75412	4.67125	1.76844	0.78372	0.26954
0.13849	0.09509	0.08097	0.05290			
3603597.54		9.25700	2.52330	1.43506	1.02991	0.69601
0.45870	0.29176	0.22730	0.12627			
3603347.54		12.47976	1.58967	0.54354	0.81337	1.57465
0.59692	0.90934	0.47499	0.20966			
3603097.54		6.32069	5.27882	0.75044	2.46615	2.02896
1.29492	1.15178	0.34815	0.19223			
3602847.54		3.16487	3.01170	3.04212	2.02555	1.58746
1.27278	1.13595	0.79430	0.16070			
3602597.54		2.14107	2.06397	2.00872	1.62354	1.38600
1.17148	0.99005	0.51928	0.12266			
3602347.54		1.61662	1.55219	1.44898	1.34761	1.21958
0.97042	0.85963	0.76867	0.51245			
3602097.54		1.22125	1.21111	1.12811	1.09709	1.03391
0.89670	0.74369	0.61064	0.58720			
3601847.54		0.96964	0.97033	0.95664	0.90653	0.85858
0.76930	0.71838	0.61150	0.53630			
3601597.54		0.80200	0.83052	0.80100	0.76500	0.70838
0.67558	0.62084	0.59021	0.48395			
3601347.54		0.67499	0.70674	0.68252	0.65932	0.59062
0.58922	0.56572	0.50917	0.42192			
3601097.54		0.58368	0.59986	0.58906	0.56999	0.52640
0.51343	0.50013	0.42498	0.42564			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: RAP1
 INCLUDING SOURCE(S): RAP1
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00818	0.00733
3605847.54		0.00895	0.00804
3605597.54		0.01022	0.00916
3605347.54		0.01297	0.01051
3605097.54		0.01297	0.01245
3604847.54		0.01779	0.01840
3604597.54		0.03173	0.01856
3604347.54		0.02255	0.01952
3604097.54		0.02677	0.02319
3603847.54		0.04311	0.03858
3603597.54		0.09223	0.06483
3603347.54		0.10607	0.08465
3603097.54		0.13082	0.10008
3602847.54		0.11401	0.11946
3602597.54		0.11531	0.14110
3602347.54		0.28577	0.36990
3602097.54		0.52992	0.47929
3601847.54		0.46665	0.42244
3601597.54		0.45441	0.38028

3601347.54		0.39424	0.37377
3601097.54		0.35445	0.34954

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: RAP1
 INCLUDING SOURCE(S): RAP1
 *** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	28.61407	507708.67
3603932.32	4.20166		
506203.59	3603369.23	0.53182	507919.87
3604794.52	1.14451		
507037.89	3604916.08	1.89503	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: RMP
 INCLUDING SOURCE(S): RMP
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504618.86	504868.86
505118.86	505618.86
505368.86	505868.86

3606097.54		0.34999	0.38768	0.42714	0.47197	0.49867
0.55110	0.56935	0.54891	0.50418			
3605847.54		0.34188	0.38646	0.43478	0.50127	0.56366
0.61408	0.65188	0.68180	0.63354			
3605597.54		0.32636	0.36886	0.43242	0.51073	0.58615
0.66197	0.73469	0.80451	0.84740			
3605347.54		0.34455	0.36226	0.39730	0.45111	0.55094
0.65724	0.76502	0.88571	0.97955			
3605097.54		0.34443	0.38133	0.42091	0.44037	0.49601
0.58003	0.73833	0.88454	1.04446			
3604847.54		0.33256	0.36882	0.40015	0.44507	0.53511
0.55524	0.64131	0.81198	0.98922			

Otay Hills Quarry AERMOD Output File (HRA)

3604597.54		0.31048	0.34510	0.38986	0.45577	0.54829
0.55823	0.65244	0.72626	0.88570			
3604347.54		0.28693	0.31620	0.35674	0.41011	0.48273
0.57178	0.67833	0.77262	0.82580			
3604097.54		0.26217	0.29853	0.32865	0.37013	0.42477
0.49592	0.61886	0.71941	0.77162			
3603847.54		0.23803	0.26670	0.30923	0.34223	0.39907
0.46941	0.53165	0.58749	0.69998			
3603597.54		0.21484	0.23635	0.26897	0.30155	0.33304
0.38503	0.43027	0.48799	0.57751			
3603347.54		0.19576	0.21622	0.24091	0.26546	0.29596
0.33260	0.37782	0.43384	0.52164			
3603097.54		0.18332	0.20028	0.21922	0.25160	0.27163
0.30046	0.35031	0.39419	0.47735			
3602847.54		0.17209	0.18759	0.20948	0.22806	0.25162
0.28130	0.33064	0.37910	0.46299			
3602597.54		0.16278	0.17785	0.19845	0.22017	0.24626
0.27978	0.32886	0.38157	0.46546			
3602347.54		0.15865	0.17412	0.19240	0.21420	0.24531
0.28629	0.33209	0.38072	0.42946			
3602097.54		0.15747	0.17391	0.19428	0.21742	0.24747
0.27662	0.30733	0.34059	0.36156			
3601847.54		0.15917	0.17594	0.19410	0.21411	0.23651
0.25344	0.27275	0.29399	0.32829			
3601597.54		0.16024	0.17462	0.18753	0.20036	0.21155
0.22586	0.24330	0.27215	0.31541			
3601347.54		0.15635	0.16522	0.17308	0.18142	0.19379
0.20951	0.23238	0.26541	0.30679			
3601097.54		0.14637	0.15203	0.15948	0.17167	0.18522
0.20545	0.23019	0.26593	0.30702			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RMP ***
INCLUDING SOURCE(S): RMP ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD					X-COORD (METERS)	
(METERS)		506368.86	506618.86	506868.86	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54		0.48655	0.46702	0.40290	0.38983	0.30451
0.25915	0.11374	0.09505	0.03932			
3605847.54		0.59975	0.57445	0.55338	0.48442	0.37788
0.30466	0.21702	0.20513	0.08851			
3605597.54		0.77643	0.73004	0.68738	0.63190	0.56031
0.37144	0.24888	0.28510	0.22289			
3605347.54		1.04531	1.04639	0.91503	0.83672	0.69172
0.51066	0.42826	0.34379	0.13682			
3605097.54		1.19755	1.32660	1.39751	1.34301	1.11329
0.87049	0.66542	0.40356	0.06849			
3604847.54		1.24087	1.51283	1.78901	1.97289	1.98348
1.80219	0.90302	0.64038	0.13819			

3604597.54		1.12328	1.48778	1.94240	2.47096	2.93003
3.07783	2.31658	0.67604	0.15631			
3604347.54		1.04738	1.29620	1.66016	2.34510	3.53062
4.55673	4.60917	2.97189	0.88501			
3604097.54		0.90791	1.17213	1.58409	2.20263	2.98979
4.71121	8.30986	8.64457	3.73304			
3603847.54		0.82637	0.97227	1.26149	1.67111	2.45233
3.91805	7.30076	15.79574	23.53610			
3603597.54		0.73040	0.86575	1.05748	1.38714	1.80124
2.63257	4.48201	8.23012	28.36856			
3603347.54		0.62557	0.76193	0.88830	1.17092	1.64571
2.14258	3.35618	5.82694	15.93996			
3603097.54		0.57764	0.70257	0.86116	1.08847	1.39525
1.74872	2.59493	4.66193	7.56928			
3602847.54		0.57266	0.70688	0.81981	0.95910	1.12385
1.49186	2.30254	3.41346	4.39287			
3602597.54		0.56136	0.59727	0.68871	0.82589	1.01522
1.39907	1.92501	2.48017	2.97888			
3602347.54		0.45833	0.51124	0.60246	0.75253	0.97155
1.23366	1.56265	1.87669	2.14204			
3602097.54		0.39907	0.45906	0.56939	0.70571	0.88203
1.06971	1.29006	1.47224	1.62280			
3601847.54		0.37716	0.44819	0.55515	0.66243	0.78454
0.92895	1.07913	1.18960	1.29178			
3601597.54		0.36761	0.44017	0.52627	0.60856	0.70179
0.81278	0.91190	0.99460	1.05231			
3601347.54		0.36080	0.42666	0.49256	0.56143	0.63899
0.71373	0.78814	0.84058	0.88831			
3601097.54		0.35633	0.40843	0.46038	0.51664	0.57951
0.63348	0.68003	0.72898	0.76719			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: RMP ***
INCLUDING SOURCE(S): RMP ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD					X-COORD (METERS)	
(METERS)		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.02934	0.02926	0.01796	0.02855	0.01626
0.01105	0.00975	0.00954	0.00822			
3605847.54		0.07116	0.09331	0.02518	0.09048	0.02164
0.01700	0.01241	0.01155	0.00968			
3605597.54		0.19855	0.13818	0.09459	0.09219	0.06733
0.04187	0.01667	0.01144	0.01026			
3605347.54		0.08506	0.17274	0.13009	0.12862	0.14352
0.02850	0.01902	0.01377	0.01319			
3605097.54		0.05128	0.05193	0.03953	0.02879	0.03687
0.06725	0.02152	0.01750	0.01387			
3604847.54		0.06257	0.03687	0.03218	0.02659	0.02686
0.02376	0.02891	0.02590	0.01971			

Otay Hills Quarry AERMOD Output File (HRA)

3604597.54	0.09134	0.05954	0.04079	0.03605	0.02640
0.02244	0.02424	0.02527	0.02981		
3604347.54	0.25524	0.13625	0.08196	0.06293	0.03737
0.02946	0.02490	0.02410	0.02377		
3604097.54	1.88213	0.86123	0.22771	0.10674	0.07097
0.04192	0.03342	0.03110	0.02682		
3603847.54	5.41354	1.60593	0.94934	0.47098	0.16347
0.09269	0.06885	0.06150	0.04257		
3603597.54	21.80592	4.23874	1.28805	0.80502	0.52995
0.34577	0.22054	0.17497	0.10042		
3603347.54	20.13361	2.16848	1.10347	1.13834	1.83633
0.61185	0.93101	0.46852	0.19595		
3603097.54	9.82942	6.87066	0.91308	2.67838	2.16703
1.51454	1.28151	0.37704	0.20064		
3602847.54	4.70593	3.89088	3.44295	1.98564	1.52536
1.37843	1.17875	0.89847	0.19204		
3602597.54	3.10733	2.73689	2.39443	1.71914	1.35153
1.14294	0.98385	0.59415	0.16148		
3602347.54	2.25723	2.06125	1.78474	1.52777	1.24220
0.94828	0.83480	0.78035	0.55491		
3602097.54	1.69780	1.60781	1.42265	1.29295	1.11830
0.90326	0.79701	0.65431	0.56661		
3601847.54	1.33657	1.28904	1.20197	1.08448	0.97882
0.81295	0.72253	0.65215	0.52373		
3601597.54	1.09080	1.08402	1.01158	0.92679	0.83132
0.74860	0.64409	0.59725	0.47534		
3601347.54	0.91014	0.91807	0.86412	0.80763	0.70779
0.67581	0.61052	0.52291	0.42602		
3601097.54	0.77813	0.78011	0.74680	0.70482	0.63360
0.59935	0.56083	0.46274	0.43456		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: RMP
 INCLUDING SOURCE(S): RMP ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)	510868.86	511118.86
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3606097.54	0.00746	0.00670
3605847.54	0.00835	0.00729
3605597.54	0.00932	0.00840
3605347.54	0.01194	0.00960
3605097.54	0.01160	0.01069
3604847.54	0.01517	0.01604
3604597.54	0.02642	0.01708
3604347.54	0.01926	0.01663
3604097.54	0.02306	0.02045
3603847.54	0.03592	0.03299
3603597.54	0.07559	0.05473
3603347.54	0.09698	0.07688
3603097.54	0.13468	0.10040

3602847.54	0.13216	0.12952
3602597.54	0.14581	0.16262
3602347.54	0.32811	0.42591
3602097.54	0.51743	0.48009
3601847.54	0.44895	0.40396
3601597.54	0.44881	0.36733
3601347.54	0.38853	0.36748
3601097.54	0.35748	0.34510

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: RMP
 INCLUDING SOURCE(S): RMP ,
 *** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----	-----	-----
	508226.78	3603955.63	15.41937
3603932.32	5.24483		507708.67
	506203.59	3603369.23	0.55687
3604794.52	0.83209		507919.87
	507037.89	3604916.08	1.79923

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: ROAD
 INCLUDING SOURCE(S): L0001431 , L0001432
 , L0001433 , L0001434 , L0001435 , L0001436 , L0001437 , L0001438 , L0001439 , L0001440
 , L0001441 , L0001442 , L0001443 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448
 , L0001449 , L0001450 , L0001451 , L0001452 , L0001453 , L0001454 , L0001455 , L0001456
 , L0001457 , L0001458 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD		X-COORD (METERS)
(METERS)	504118.86	504368.86
505368.86	505618.86	504618.86
	505868.86	506118.86
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Otay Hills Quarry AERMOD Output File (HRA)

3606097.54		0.26551	0.30063	0.34283	0.39955	0.43436
0.51538	0.55773	0.55923	0.51448			
3605847.54		0.26085	0.29895	0.34130	0.41192	0.48157
0.54802	0.61094	0.67452	0.64342			
3605597.54		0.25082	0.28469	0.34159	0.40912	0.47801
0.55728	0.64804	0.75136	0.84395			
3605347.54		0.28371	0.29259	0.30982	0.34688	0.44061
0.53049	0.63181	0.76391	0.90213			
3605097.54		0.28232	0.31436	0.34799	0.35480	0.39140
0.45909	0.59805	0.72095	0.87950			
3604847.54		0.26789	0.29825	0.32480	0.36310	0.44064
0.44621	0.51015	0.66791	0.81042			
3604597.54		0.25124	0.27840	0.31357	0.36533	0.43411
0.45048	0.53136	0.57301	0.71992			
3604347.54		0.23696	0.26021	0.29224	0.33394	0.38956
0.45616	0.53669	0.61750	0.63954			
3604097.54		0.21956	0.24895	0.27329	0.30669	0.35039
0.40618	0.49348	0.57296	0.61786			
3603847.54		0.20227	0.22602	0.25973	0.28740	0.33121
0.38377	0.43568	0.48538	0.57470			
3603597.54		0.18967	0.20846	0.23685	0.26516	0.29315
0.33763	0.37812	0.42837	0.50674			
3603347.54		0.17988	0.19908	0.22184	0.24468	0.27289
0.30732	0.35020	0.40429	0.48786			
3603097.54		0.17238	0.18848	0.20692	0.23805	0.25945
0.28942	0.34048	0.38843	0.47318			
3602847.54		0.16597	0.18233	0.20538	0.22568	0.25100
0.28261	0.33439	0.38583	0.46383			
3602597.54		0.16305	0.17900	0.20075	0.22318	0.25067
0.28508	0.33090	0.37315	0.42833			
3602347.54		0.16126	0.17714	0.19589	0.21759	0.24693
0.28040	0.31145	0.34108	0.37577			
3602097.54		0.16020	0.17643	0.19520	0.21373	0.23499
0.25312	0.27393	0.30288	0.33208			
3601847.54		0.15968	0.17328	0.18545	0.19798	0.21304
0.22717	0.24823	0.27467	0.31118			
3601597.54		0.15387	0.16283	0.17066	0.18030	0.19216
0.20942	0.23048	0.25919	0.29713			
3601347.54		0.14337	0.14942	0.15700	0.16716	0.18213
0.19970	0.22157	0.25003	0.28306			
3601097.54		0.13258	0.13922	0.14875	0.16243	0.17681
0.19521	0.21629	0.24479	0.27416			

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
3 YEARS FOR SOURCE GROUP: ROAD
INCLUDING SOURCE(S):
, L0001433 , L0001434 , L0001435 ,
, L0001441 , L0001442 , L0001443 , L0001438 , L0001439 , L0001440
, L0001449 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448
, L0001457 , L0001450 , L0001451 , L0001454 , L0001455 , L0001456
, L0001452 , L0001453 , L0001454 , L0001455 , L0001456
, L0001457 , L0001458 , . . . ,

GRIDCART ***
*** NETWORK ID: UCART1 ; NETWORK TYPE:

** CONC OF TAC				IN MICROGRAMS/M**3	
Y-COORD (METERS)				X-COORD (METERS)	
507618.86	507868.86	508118.86	508368.86	507118.86	507368.86
3606097.54	0.52591	0.54999	0.52526	0.52864	0.42653
0.34472	0.14807	0.12663	0.04627		
3605847.54	0.62792	0.64333	0.69154	0.67875	0.54073
0.40553	0.29212	0.33108	0.12107		
3605597.54	0.80810	0.79138	0.80298	0.84426	0.82247
0.52660	0.33664	0.60180	0.58879		
3605347.54	1.04309	1.14397	1.04022	1.02805	0.98197
0.87240	0.79773	0.76037	0.20060		
3605097.54	1.07667	1.31315	1.55783	1.69655	1.57156
1.48907	1.28692	0.63823	0.08885		
3604847.54	1.02783	1.31592	1.72152	2.20761	2.62859
2.77898	1.80670	1.11392	0.21799		
3604597.54	0.92802	1.23227	1.64305	2.27752	3.22358
4.33883	4.69737	1.40040	0.27983		
3604347.54	0.84313	1.04849	1.34314	1.95266	3.08165
4.90069	7.72096	10.29442	2.71822		
3604097.54	0.69629	0.91512	1.24993	1.74507	2.37965
3.86527	7.95589	18.46340	55.77340		
3603847.54	0.67442	0.76401	0.99076	1.27187	1.88708
2.99134	5.56178	12.41533	95.39654		
3603597.54	0.63386	0.75789	0.93370	1.23583	1.63693
2.43416	4.05359	7.47546	19.30549		
3603347.54	0.58908	0.72577	0.87701	1.15929	1.54444
1.95188	2.99698	4.55594	8.25734		
3603097.54	0.57563	0.69799	0.83044	0.98922	1.22833
1.60423	2.23586	3.10983	4.28864		
3602847.54	0.54772	0.63260	0.71486	0.85143	1.05367
1.32004	1.74189	2.22196	2.61600		
3602597.54	0.48580	0.52659	0.62571	0.77242	0.92084
1.12045	1.39039	1.60485	1.87463		
3602347.54	0.41187	0.47571	0.56841	0.68801	0.81152
0.93448	1.09500	1.23007	1.38404		
3602097.54	0.37640	0.43442	0.52302	0.60363	0.69391
0.79305	0.89494	0.97967	1.06587		
3601847.54	0.35623	0.41277	0.48340	0.53485	0.60007
0.67839	0.74895	0.80238	0.86654		
3601597.54	0.33885	0.38785	0.43505	0.47611	0.53088
0.58728	0.63472	0.68301	0.71468		
3601347.54	0.32073	0.35906	0.39301	0.43402	0.47984
0.51231	0.55275	0.58298	0.61411		
3601097.54	0.30378	0.33107	0.36037	0.39682	0.43089
0.45407	0.47891	0.51112	0.53755		

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

PAGE 163
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
3 YEARS FOR SOURCE GROUP: ROAD
INCLUDING SOURCE(S):
, L0001433 , L0001434 , L0001435 ,
, L0001441 , L0001442 , L0001443 , L0001438 , L0001439 , L0001440
, L0001449 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448
, L0001457 , L0001450 , L0001451 , L0001454 , L0001455 , L0001456
, L0001452 , L0001453 , L0001454 , L0001455 , L0001456
, L0001457 , L0001458 , . . . ,

Otay Hills Quarry AERMOD Output File (HRA)

, L0001449 , L0001445 , L0001446 , L0001447 , L0001448
 , L0001450 , L0001451 ,
 , L0001452 , L0001453 , L0001454 , L0001455 , L0001456
 , L0001457 , L0001458 , . . . ,

GRIDCART ***
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

**
 ** CONC OF TAC IN MICROGRAMS/M**3
 Y-COORD | X-COORD (METERS)
 (METERS) | 508618.86 508868.86 509118.86 509368.86 509618.86
 509868.86 510118.86 510368.86 510618.86

3606097.54		0.03340	0.03524	0.02062	0.03956	0.01907
0.01300		0.01145	0.01084	0.00918		
3605847.54		0.09938	0.14197	0.03191	0.15801	0.02706
0.01969		0.01418	0.01250	0.01046		
3605597.54		0.48467	0.22879	0.15299	0.15555	0.10868
0.04913		0.01770	0.01255	0.01140		
3605347.54		0.12506	0.30398	0.23362	0.23695	0.19874
0.03227		0.02079	0.01553	0.01483		
3605097.54		0.06540	0.07351	0.05335	0.03524	0.04154
0.11294		0.02764	0.02152	0.01602		
3604847.54		0.08462	0.05209	0.04302	0.03254	0.03100
0.03075		0.03909	0.03328	0.02522		
3604597.54		0.14621	0.08898	0.05391	0.04516	0.03524
0.03046		0.03200	0.03398	0.04380		
3604347.54		0.66777	0.21474	0.12928	0.11106	0.05738
0.04289		0.03352	0.03166	0.03145		
3604097.54		35.01065	3.89624	0.86143	0.28594	0.14953
0.07156		0.05177	0.04540	0.03652		
3603847.54		29.00175	5.73881	2.54203	1.15825	0.37980
0.18558		0.12187	0.10097	0.06320		
3603597.54		21.75953	2.42510	1.01965	0.86083	0.66866
0.46662		0.30455	0.24411	0.13741		
3603347.54		9.94227	1.94864	0.51367	0.80156	1.59814
0.59303		0.95205	0.52724	0.21554		
3603097.54		5.24054	4.39680	0.91301	2.26088	1.78475
1.25909		1.08801	0.35818	0.18505		
3602847.54		2.79249	2.62623	2.61610	1.78994	1.42301
1.19147		1.02233	0.76953	0.14943		
3602597.54		1.92158	1.83320	1.78271	1.45132	1.24659
1.06052		0.89964	0.54757	0.11935		
3602347.54		1.46729	1.39240	1.30723	1.22111	1.10180
0.88707		0.78850	0.70281	0.51515		
3602097.54		1.11945	1.09648	1.02773	0.99937	0.94392
0.82092		0.71604	0.59760	0.54468		
3601847.54		0.89528	0.88597	0.87370	0.83151	0.78977
0.70993		0.66155	0.58580	0.49943		
3601597.54		0.74466	0.76289	0.73366	0.70673	0.65412
0.62731		0.57614	0.54610	0.45199		
3601347.54		0.62959	0.65269	0.62760	0.61082	0.54904
0.54749		0.52789	0.47465	0.39529		
3601097.54		0.54635	0.55683	0.54431	0.52826	0.49214
0.47769		0.46788	0.39937	0.39819		

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

PAGE 164
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: ROAD ***
 INCLUDING SOURCE(S):
 , L0001433 , L0001434 , L0001435 , L0001436 , L0001437 , L0001438 , L0001439 , L0001440
 , L0001441 , L0001442 , L0001443 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448
 , L0001449 , L0001450 , L0001451 , L0001452 , L0001453 , L0001454 , L0001455 , L0001456
 , L0001457 , L0001458 , . . . ,

GRIDCART ***
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

**
 ** CONC OF TAC IN MICROGRAMS/M**3
 Y-COORD | X-COORD (METERS)
 (METERS) | 510868.86 511118.86

3606097.54		0.00823	0.00743
3605847.54		0.00913	0.00809
3605597.54		0.01027	0.00910
3605347.54		0.01319	0.01108
3605097.54		0.01417	0.01346
3604847.54		0.01852	0.01921
3604597.54		0.03738	0.02047
3604347.54		0.02473	0.02078
3604097.54		0.02973	0.02536
3603847.54		0.05023	0.04410
3603597.54		0.10138	0.07087
3603347.54		0.10722	0.08674
3603097.54		0.12697	0.09852
3602847.54		0.10516	0.11464
3602597.54		0.10967	0.13738
3602347.54		0.31118	0.37736
3602097.54		0.49202	0.44488
3601847.54		0.43637	0.39558
3601597.54		0.42457	0.35775
3601347.54		0.37036	0.35123
3601097.54		0.33341	0.32894

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

PAGE 165
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: ROAD ***
 INCLUDING SOURCE(S):
 , L0001433 , L0001434 , L0001435 , L0001436 , L0001437 , L0001438 , L0001439 , L0001440
 , L0001441 , L0001442 , L0001443 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448
 , L0001449 , L0001450 , L0001451 , L0001452 , L0001453 , L0001454 , L0001455 , L0001456
 , L0001457 , L0001458 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

Otay Hills Quarry AERMOD Output File (HRA)

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**          ** CONC OF TAC          IN MICROGRAMS/M**3
**
X-COORD (M)  Y-COORD (M)          CONC          X-COORD (M)
Y-COORD (M)          CONC
-----
508226.78    3603955.63          31.54713          507708.67
3603932.32    4.02370
506203.59    3603369.23          0.51929          507919.87
3604794.52    1.68993
507037.89    3604916.08          1.99425

*** AERMOD - VERSION 18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***   05/16/19
*** AERMET - VERSION 18081 ***   ***
***          16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION          VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC1          ***
INCLUDING SOURCE(S):          SC1          ,

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*** NETWORK ID: UCART1          ; NETWORK TYPE:

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GRIDCART ***

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**          ** CONC OF TAC          IN MICROGRAMS/M**3
**
Y-COORD |          X-COORD (METERS)
(METERS) |          504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
-----
3606097.54 |          0.26618    0.29786    0.33326    0.37508    0.40228
0.45066    0.47497    0.47411    0.44793
3605847.54 |          0.25998    0.29529    0.33414    0.38917    0.44217
0.48966    0.53043    0.56634    0.55021
3605597.54 |          0.24800    0.28073    0.32951    0.38748    0.44658
0.51041    0.57687    0.64344    0.69497
3605347.54 |          0.26531    0.27934    0.30288    0.34190    0.41734
0.49557    0.58102    0.68131    0.77375
3605097.54 |          0.26700    0.29441    0.32377    0.33963    0.37882
0.44114    0.55192    0.66062    0.79099
3604847.54 |          0.25940    0.28701    0.31243    0.34707    0.40884
0.42866    0.49016    0.61007    0.73688
3604597.54 |          0.24437    0.27075    0.30405    0.35091    0.41357
0.43411    0.50401    0.55951    0.67695
3604347.54 |          0.23029    0.25307    0.28337    0.32213    0.37326
0.43512    0.50970    0.58363    0.63724
3604097.54 |          0.21672    0.24387    0.26787    0.29978    0.34068
0.39237    0.47358    0.54673    0.60206
3603847.54 |          0.20235    0.22508    0.25669    0.28376    0.32551
0.37635    0.42539    0.47488    0.55957
3603597.54 |          0.18783    0.20593    0.23196    0.25858    0.28561
0.32653    0.36557    0.41465    0.48634
3603347.54 |          0.17551    0.19339    0.21450    0.23630    0.26290
0.29499    0.33426    0.38274    0.45367
3603097.54 |          0.16812    0.18350    0.20098    0.22833    0.24836
0.27548    0.31826    0.35960    0.42824
3602847.54 |          0.16136    0.17605    0.19597    0.21409    0.23657
0.26430    0.30684    0.35018    0.41775
3602597.54 |          0.15614    0.17046    0.18951    0.20936    0.23316
0.26265    0.30325    0.34771    0.41323

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3602347.54 |          0.15358    0.16788    0.18438    0.20356    0.22996
0.26358    0.30121    0.34111    0.38100
3602097.54 |          0.15177    0.16611    0.18357    0.20333    0.22842
0.25335    0.27904    0.30613    0.32557
3601847.54 |          0.15117    0.16562    0.18108    0.19830    0.21721
0.23219    0.24876    0.26719    0.29502
3601597.54 |          0.15016    0.16256    0.17398    0.18523    0.19553
0.20810    0.22347    0.24671    0.27917
3601347.54 |          0.14552    0.15347    0.16089    0.16864    0.17962
0.19320    0.21166    0.23659    0.26626
3601097.54 |          0.13620    0.14172    0.14875    0.15930    0.17091
0.18693    0.20568    0.23120    0.25940

*** AERMOD - VERSION 18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***   05/16/19
*** AERMET - VERSION 18081 ***   ***
***          16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION          VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC1          ***
INCLUDING SOURCE(S):          SC1          ,

```

```

*** NETWORK ID: UCART1          ; NETWORK TYPE:

```

GRIDCART ***

```

**          ** CONC OF TAC          IN MICROGRAMS/M**3
**
Y-COORD |          X-COORD (METERS)
(METERS) |          506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
-----
3606097.54 |          0.45053    0.45702    0.43102    0.44571    0.39330
0.38123    0.22690    0.18994    0.05733
3605847.54 |          0.53687    0.53886    0.55191    0.52750    0.51570
0.46537    0.35592    0.42331    0.18848
3605597.54 |          0.67635    0.66009    0.65571    0.65662    0.69584
0.59793    0.42904    0.49160    0.46201
3605347.54 |          0.85263    0.89439    0.83837    0.81537    0.76589
0.65875    0.59377    0.57186    0.32550
3605097.54 |          0.93315    1.07149    1.17729    1.20128    1.11703
1.02129    0.87221    0.88928    0.08892
3604847.54 |          0.92058    1.14549    1.40222    1.62265    1.73225
1.75776    1.60697    1.27158    0.35240
3604597.54 |          0.84059    1.08263    1.41346    1.86044    2.34259
2.68746    2.59464    1.67398    0.28519
3604347.54 |          0.79992    0.98238    1.24131    1.69928    2.49908
3.54230    4.26373    3.86899    3.19067
3604097.54 |          0.70364    0.89627    1.17990    1.59446    2.17088
3.30801    5.85264    9.06695    7.12195
3603847.54 |          0.65910    0.77548    0.98954    1.28737    1.82328
2.77254    4.80337    10.32445    37.69610
3603597.54 |          0.59740    0.70876    0.86477    1.11305    1.45284
2.08000    3.35316    6.31438    19.35957
3603347.54 |          0.53866    0.64966    0.77046    0.99435    1.35024
1.81411    2.73731    4.29724    9.54108
3603097.54 |          0.51132    0.61526    0.74920    0.93824    1.18987
1.47336    2.02255    3.25672    5.06685
3602847.54 |          0.50383    0.60928    0.70820    0.82294    0.95318
1.20829    1.71918    2.39826    3.07795
3602597.54 |          0.48780    0.52658    0.59774    0.69817    0.83586
1.08701    1.41514    1.77630    2.11797

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Otay Hills Quarry AERMOD Output File (HRA)

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3602347.54 |      0.40826      0.45125      0.51993      0.62531      0.77140
0.94161      1.14730      1.35910      1.54692
3602097.54 |      0.35665      0.40306      0.48080      0.57287      0.68826
0.80710      0.94881      1.07280      1.18485
3601847.54 |      0.33244      0.38324      0.45502      0.52623      0.60512
0.69606      0.79541      0.87052      0.94893
3601597.54 |      0.31665      0.36591      0.42281      0.47673      0.53605
0.60683      0.67318      0.72934      0.77717
3601347.54 |      0.30321      0.34682      0.38999      0.43419      0.48309
0.53220      0.58113      0.61836      0.65779
3601097.54 |      0.29208      0.32610      0.35978      0.39575      0.43550
0.47156      0.50231      0.53678      0.56836

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC1
INCLUDING SOURCE(S): SC1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) | 508618.86 508868.86 509118.86 509368.86 509618.86
509868.86 510118.86 510368.86 510618.86
- - - - -

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3606097.54 |      0.03550      0.04180      0.02179      0.05411      0.01998
0.01307      0.01100      0.01068      0.00928
3605847.54 |      0.17237      0.20662      0.03461      0.21786      0.02823
0.02018      0.01437      0.01309      0.01080
3605597.54 |      0.48521      0.32930      0.23589      0.21624      0.16222
0.09223      0.01951      0.01298      0.01137
3605347.54 |      0.22532      0.60186      0.34075      0.30755      0.30761
0.04520      0.02398      0.01549      0.01465
3605097.54 |      0.06165      0.08206      0.05270      0.03517      0.05932
0.19216      0.02874      0.02174      0.01576
3604847.54 |      0.07709      0.04589      0.04123      0.03269      0.03302
0.02995      0.04365      0.03676      0.02561
3604597.54 |      0.12122      0.07708      0.05211      0.04626      0.03163
0.02668      0.02911      0.03244      0.04472
3604347.54 |      0.89861      0.21198      0.12810      0.09584      0.04589
0.03466      0.02863      0.02713      0.02654
3604097.54 |      5.53301      4.63246      0.93308      0.17807      0.09417
0.04837      0.03745      0.03497      0.02962
3603847.54 |      27.40354      10.17081      3.42820      1.47263      0.23677
0.11102      0.07833      0.06965      0.04580
3603597.54 |      115.30785      7.54085      2.08159      1.31375      0.88478
0.54429      0.31071      0.24698      0.11890
3603347.54 |      15.46932      6.09021      1.06766      1.70085      2.99129
1.05011      1.54389      0.87873      0.24982
3603097.54 |      6.82267      5.83727      2.24237      3.05199      2.17629
1.93810      1.57343      0.59577      0.23211
3602847.54 |      3.59469      3.35938      3.41025      2.11321      1.60399
1.46531      1.18741      1.11430      0.21017
3602597.54 |      2.35691      2.28762      2.08650      1.72753      1.39374
1.15925      0.99412      0.82137      0.16948

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3602347.54 |      1.70393      1.67959      1.53348      1.39914      1.22684
0.97518      0.84579      0.79255      0.67573
3602097.54 |      1.28327      1.29028      1.19724      1.12374      1.04450
0.89484      0.90027      0.76337      0.57539
3601847.54 |      1.01055      1.02407      0.98704      0.92410      0.86792
0.77932      0.70721      0.70312      0.52561
3601597.54 |      0.82487      0.85176      0.81973      0.77678      0.71953
0.68266      0.62048      0.57890      0.47717
3601347.54 |      0.68826      0.71630      0.69372      0.66518      0.60638
0.59219      0.56418      0.50532      0.42664
3601097.54 |      0.58841      0.60658      0.59561      0.57348      0.53490
0.51505      0.49910      0.43727      0.42062

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC1
INCLUDING SOURCE(S): SC1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) | 510868.86 511118.86
- - - - -

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3606097.54 |      0.00829      0.00743
3605847.54 |      0.00918      0.00802
3605597.54 |      0.01024      0.00925
3605347.54 |      0.01348      0.01077
3605097.54 |      0.01307      0.01197
3604847.54 |      0.01706      0.01885
3604597.54 |      0.03777      0.01913
3604347.54 |      0.02107      0.01792
3604097.54 |      0.02501      0.02198
3603847.54 |      0.03806      0.03464
3603597.54 |      0.08549      0.05901
3603347.54 |      0.10660      0.08324
3603097.54 |      0.14489      0.10614
3602847.54 |      0.13499      0.13969
3602597.54 |      0.15280      0.19468
3602347.54 |      0.49288      0.52727
3602097.54 |      0.52321      0.48375
3601847.54 |      0.45790      0.41336
3601597.54 |      0.44469      0.37506
3601347.54 |      0.39049      0.36585
3601097.54 |      0.35720      0.34252

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

Otay Hills Quarry AERMOD Output File (HRA)

```

*** THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC1      ***
      INCLUDING SOURCE(S):      SC1      ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

**

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

      X-COORD (M)      Y-COORD (M)      CONC      X-COORD (M)
Y-COORD (M)      CONC
-----
      508226.78      3603955.63      16.33097      507708.67
3603932.32      3.61097
      506203.59      3603369.23      0.48170      507919.87
3604794.52      1.70445
      507037.89      3604916.08      1.48038

*** AERMOD - VERSION 18081 ***      *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc      ***      05/16/19
*** AERMET - VERSION 18081 ***      ***
***      16:35:25

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PAGE 171
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC2      ***
      INCLUDING SOURCE(S):      SC2      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

**

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

      Y-COORD |      X-COORD (METERS)
(METERS) |      504118.86      504368.86      504618.86      504868.86      505118.86
505368.86      505618.86      505868.86      506118.86
-----
      3606097.54 |      0.26329      0.29654      0.33585      0.38701      0.41952
0.48934      0.52633      0.52830      0.49240
3605847.54 |      0.25832      0.29449      0.33457      0.39873      0.46201
0.52171      0.57708      0.63177      0.60782
3605597.54 |      0.24807      0.28053      0.33342      0.39662      0.46065
0.53304      0.61449      0.70530      0.78385
3605347.54 |      0.27635      0.28582      0.30414      0.34022      0.42546
0.50934      0.60277      0.72230      0.84359
3605097.54 |      0.27673      0.30667      0.33789      0.34596      0.38151
0.44398      0.56954      0.68295      0.82730
3604847.54 |      0.26472      0.29377      0.31907      0.35527      0.42728
0.43469      0.49446      0.63276      0.76006
3604597.54 |      0.24828      0.27463      0.30860      0.35850      0.42564
0.43983      0.51550      0.55945      0.69055
3604347.54 |      0.23450      0.25705      0.28793      0.32797      0.38141
0.44539      0.52226      0.59655      0.62328
3604097.54 |      0.21906      0.24775      0.27147      0.30390      0.34614
0.39989      0.48585      0.56068      0.60122
3603847.54 |      0.20287      0.22619      0.25944      0.28631      0.32943
0.38135      0.43066      0.47647      0.56094
3603597.54 |      0.18913      0.20732      0.23478      0.26203      0.28869
0.33130      0.36943      0.41677      0.48996

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3603347.54 |      0.17838      0.19701      0.21908      0.24120      0.26836
0.30120      0.34151      0.39144      0.46801
3603097.54 |      0.17126      0.18692      0.20467      0.23434      0.25408
0.28174      0.32890      0.37235      0.44943
3602847.54 |      0.16454      0.17995      0.20163      0.22058      0.24427
0.27361      0.32109      0.36765      0.44306
3602597.54 |      0.16059      0.17579      0.19647      0.21747      0.24274
0.27449      0.31911      0.36515      0.42989
3602347.54 |      0.15867      0.17363      0.19100      0.21128      0.23994
0.27550      0.31193      0.34663      0.38036
3602097.54 |      0.15699      0.17227      0.19077      0.21067      0.23506
0.25682      0.27887      0.30487      0.32696
3601847.54 |      0.15672      0.17121      0.18552      0.20069      0.21751
0.23081      0.24853      0.27037      0.30243
3601597.54 |      0.15387      0.16483      0.17431      0.18424      0.19455
0.20903      0.22706      0.25301      0.28788
3601347.54 |      0.14632      0.15308      0.16015      0.16868      0.18153
0.19706      0.21716      0.24357      0.27430
3601097.54 |      0.13583      0.14162      0.14972      0.16187      0.17484
0.19205      0.21170      0.23842      0.26694

*** AERMOD - VERSION 18081 ***      *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc      ***      05/16/19
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***      16:35:25

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC2      ***
      INCLUDING SOURCE(S):      SC2      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

**

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

      Y-COORD |      X-COORD (METERS)
(METERS) |      506368.86      506618.86      506868.86      507118.86      507368.86
507618.86      507868.86      508118.86      508368.86
-----
      3606097.54 |      0.50110      0.51967      0.50074      0.53032      0.45580
0.33518      0.16106      0.13879      0.04645
3605847.54 |      0.59574      0.60659      0.64472      0.64164      0.54928
0.39672      0.31538      0.33556      0.12815
3605597.54 |      0.75492      0.74201      0.74771      0.77985      0.84161
0.52670      0.35899      0.58097      0.54763
3605347.54 |      0.96227      1.04146      0.95966      0.94253      0.90928
0.81885      0.72947      0.69721      0.22054
3605097.54 |      1.00236      1.20400      1.39858      1.49463      1.37599
1.32374      1.16339      0.67870      0.08646
3604847.54 |      0.95475      1.21185      1.56626      1.96351      2.27342
2.38102      1.82339      1.07287      0.21497
3604597.54 |      0.87156      1.13279      1.48248      2.02920      2.84068
3.70242      3.81711      1.34194      0.24786
3604347.54 |      0.80682      0.99547      1.25867      1.75993      2.66569
4.11414      6.21415      6.82637      2.30178
3604097.54 |      0.68109      0.87892      1.17725      1.61388      2.16332
3.35987      6.34759      13.09898      18.71723
3603847.54 |      0.65409      0.74313      0.94947      1.20857      1.73065
2.62157      4.49839      8.69903      33.17835
3603597.54 |      0.60910      0.71934      0.87167      1.12633      1.44218
2.07743      3.48134      5.89944      14.42824

```

Otay Hills Quarry AERMOD Output File (HRA)

3603347.54		0.55892	0.67911	0.80370	1.05733	1.46177
1.83929	2.54502	3.94363	7.77702			
3603097.54		0.54173	0.65714	0.80046	0.97626	1.16806
1.42227	2.00765	2.93843	4.25246			
3602847.54		0.53530	0.63669	0.71280	0.81194	0.96186
1.21422	1.65346	2.18727	2.65432			
3602597.54		0.49465	0.52148	0.59939	0.72054	0.85676
1.07458	1.35199	1.61923	1.91026			
3602347.54		0.40633	0.45759	0.53688	0.64705	0.78011
0.91394	1.08895	1.25272	1.41826			
3602097.54		0.36391	0.41462	0.49661	0.58179	0.68160
0.78292	0.90274	1.00100	1.09688			
3601847.54		0.34281	0.39509	0.46653	0.52637	0.59444
0.67619	0.76124	0.82087	0.89167			
3601597.54		0.32649	0.37535	0.42764	0.47348	0.52759
0.59077	0.64767	0.69775	0.73610			
3601347.54		0.31132	0.35265	0.39120	0.43255	0.47842
0.51918	0.56423	0.59586	0.63137			
3601097.54		0.29827	0.32929	0.36061	0.39558	0.43214
0.46221	0.48915	0.52218	0.55187			

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC2 ***
 INCLUDING SOURCE(S): SC2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)				X-COORD (METERS)	
509868.86	510118.86	510368.86	510618.86	509368.86	509618.86

3606097.54		0.03346	0.03542	0.02114	0.03852	0.01949
0.01303	0.01133	0.01088	0.00936			
3605847.54		0.10809	0.14772	0.03133	0.15796	0.02652
0.01989	0.01438	0.01303	0.01073			
3605597.54		0.56190	0.23836	0.16125	0.15649	0.10477
0.05663	0.01894	0.01293	0.01146			
3605347.54		0.13070	0.31776	0.23706	0.22612	0.23784
0.03437	0.02192	0.01542	0.01512			
3605097.54		0.06447	0.07064	0.05215	0.03582	0.04513
0.11025	0.02613	0.02138	0.01577			
3604847.54		0.08414	0.04970	0.04265	0.03425	0.03183
0.02993	0.03782	0.03331	0.02425			
3604597.54		0.13664	0.08668	0.05655	0.04556	0.03382
0.02800	0.03041	0.03213	0.03993			
3604347.54		0.50269	0.23435	0.11689	0.09814	0.05173
0.04011	0.03122	0.02904	0.02893			
3604097.54		12.13014	2.37193	0.49421	0.19189	0.11441
0.06018	0.04598	0.04146	0.03396			
3603847.54		258.80688	9.23891	2.84211	1.09750	0.32695
0.15888	0.10622	0.08961	0.05736			
3603597.54		15.29451	2.54623	1.59039	1.21250	0.82139
0.53392	0.33392	0.25946	0.13963			

3603347.54		11.47278	2.24289	0.55244	0.88610	1.99203
0.69035	1.14440	0.58378	0.22992			
3603097.54		5.88042	5.21268	1.00903	2.88389	2.09258
1.47165	1.28459	0.39433	0.20485			
3602847.54		3.00029	2.94340	3.04785	2.06214	1.60498
1.41850	1.14988	0.87802	0.16628			
3602597.54		2.04706	2.02890	1.95903	1.62558	1.40041
1.18369	1.00668	0.62608	0.12765			
3602347.54		1.54297	1.52332	1.42696	1.32096	1.21886
0.97936	0.86362	0.79128	0.58232			
3602097.54		1.17492	1.18814	1.11419	1.07660	1.01802
0.89839	0.81816	0.67458	0.58787			
3601847.54		0.93667	0.95250	0.93870	0.89197	0.84097
0.76575	0.71908	0.65646	0.53660			
3601597.54		0.77552	0.81029	0.78600	0.75199	0.69766
0.66504	0.61963	0.59121	0.48501			
3601347.54		0.65367	0.68875	0.66981	0.64696	0.58541
0.57853	0.55908	0.50873	0.42498			
3601097.54		0.56520	0.58536	0.57813	0.55942	0.52022
0.50589	0.49129	0.42646	0.42524			

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC2 ***
 INCLUDING SOURCE(S): SC2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)			X-COORD (METERS)
510868.86	511118.86		

3606097.54		0.00836	0.00749
3605847.54		0.00921	0.00819
3605597.54		0.01045	0.00943
3605347.54		0.01343	0.01079
3605097.54		0.01337	0.01269
3604847.54		0.01832	0.01923
3604597.54		0.03478	0.01933
3604347.54		0.02360	0.02027
3604097.54		0.02809	0.02427
3603847.54		0.04636	0.04125
3603597.54		0.10076	0.06998
3603347.54		0.11328	0.09008
3603097.54		0.13746	0.10495
3602847.54		0.11652	0.12447
3602597.54		0.11816	0.14982
3602347.54		0.34520	0.41828
3602097.54		0.53303	0.48364
3601847.54		0.46603	0.42209
3601597.54		0.45476	0.37982
3601347.54		0.39529	0.37328
3601097.54		0.35661	0.34946

Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC2 ***
 INCLUDING SOURCE(S): SC2 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	18.70312	507708.67
3603932.32	3.48235		
506203.59	3603369.23	0.49692	507919.87
3604794.52	1.74428		
507037.89	3604916.08	1.78118	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC3 ***
 INCLUDING SOURCE(S): SC3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86
505618.86	505868.86 506118.86

3606097.54	0.26410	0.29789	0.33827	0.39173	0.42581
0.50078	0.54099	0.54391	0.50597		
3605847.54	0.25947	0.29597	0.33654	0.40288	0.46873
0.53167	0.59105	0.65065	0.62541		
3605597.54	0.24974	0.28237	0.33626	0.40064	0.46599
0.54071	0.62616	0.72333	0.80933		
3605347.54	0.27993	0.28896	0.30667	0.34259	0.43014
0.51542	0.61098	0.73529	0.86447		
3605097.54	0.27952	0.31028	0.34237	0.34963	0.38522
0.44860	0.57777	0.69277	0.84094		
3604847.54	0.26640	0.29587	0.32146	0.35838	0.43281
0.43896	0.49974	0.64361	0.77301		
3604597.54	0.24984	0.27632	0.31055	0.36105	0.42891
0.44287	0.52030	0.56323	0.69938		

3604347.54	0.23598	0.25868	0.28986	0.33036	0.38443
0.44902	0.52657	0.60176	0.62466		
3604097.54	0.21987	0.24888	0.27271	0.30540	0.34808
0.40245	0.48915	0.56498	0.60472		
3603847.54	0.20326	0.22671	0.26021	0.28717	0.33048
0.38249	0.43213	0.47805	0.56295		
3603597.54	0.18990	0.20823	0.23603	0.26355	0.29042
0.33356	0.37203	0.41973	0.49397		
3603347.54	0.17953	0.19838	0.22071	0.24303	0.27047
0.30370	0.34457	0.39537	0.47374		
3603097.54	0.17232	0.18813	0.20608	0.23632	0.25639
0.28462	0.33314	0.37785	0.45742		
3602847.54	0.16574	0.18147	0.20368	0.22307	0.24732
0.27736	0.32625	0.37422	0.45158		
3602597.54	0.16222	0.17772	0.19885	0.22029	0.24620
0.27881	0.32439	0.37013	0.43246		
3602347.54	0.16039	0.17564	0.19342	0.21416	0.24333
0.27879	0.31385	0.34629	0.37874		
3602097.54	0.15884	0.17445	0.19316	0.21282	0.23642
0.25684	0.27789	0.30423	0.32833		
3601847.54	0.15850	0.17280	0.18650	0.20080	0.21689
0.23009	0.24870	0.27205	0.30562		
3601597.54	0.15468	0.16503	0.17390	0.18360	0.19428
0.20964	0.22870	0.25558	0.29136		
3601347.54	0.14610	0.15260	0.15976	0.16878	0.18235
0.19858	0.21927	0.24628	0.27754		
3601097.54	0.13546	0.14150	0.15007	0.16276	0.17621
0.19383	0.21390	0.24108	0.26971		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC3 ***
 INCLUDING SOURCE(S): SC3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
507618.86	506368.86 506618.86 506868.86 507118.86 507368.86
507868.86	508118.86 508368.86

3606097.54	0.51609	0.53699	0.51847	0.54825	0.46812
0.33537	0.14968	0.12970	0.04528		
3605847.54	0.61398	0.62693	0.67016	0.66975	0.55373
0.39525	0.30446	0.32910	0.11887		
3605597.54	0.77920	0.76768	0.77595	0.81411	0.84116
0.52304	0.34272	0.60254	0.57012		
3605347.54	0.99450	1.08491	0.99804	0.98295	0.95028
0.85966	0.76602	0.73104	0.20762		
3605097.54	1.02489	1.24409	1.46407	1.58237	1.45675
1.40903	1.23834	0.65693	0.08722		
3604847.54	0.97143	1.23697	1.61611	2.06293	2.43144
2.55340	1.84246	1.05483	0.20561		
3604597.54	0.88790	1.15809	1.51647	2.08734	2.98283
3.98713	4.14460	1.23884	0.25334		

Otay Hills Quarry AERMOD Output File (HRA)

3604347.54		0.81360	1.00645	1.27763	1.80423	2.75064
4.29948	6.85675	7.94162	2.14270			
3604097.54		0.68198	0.88331	1.18789	1.63341	2.18943
3.43838	6.64931	14.45771	25.18933			
3603847.54		0.65599	0.74135	0.94854	1.20395	1.73240
2.63195	4.53296	8.66843	33.12254			
3603597.54		0.61515	0.72737	0.88266	1.14459	1.47065
2.14122	3.63664	5.88770	14.59876			
3603347.54		0.56718	0.69145	0.82179	1.08724	1.50098
1.84706	2.56496	4.00927	7.53450			
3603097.54		0.55283	0.67211	0.81656	0.98237	1.16404
1.44448	2.04955	2.91672	4.11512			
3602847.54		0.54366	0.63981	0.71001	0.81354	0.97916
1.23601	1.65690	2.15975	2.57582			
3602597.54		0.49278	0.52000	0.60358	0.73293	0.87207
1.08092	1.34853	1.59165	1.86763			
3602347.54		0.40670	0.46202	0.54536	0.65795	0.78727
0.91339	1.08179	1.23187	1.39053			
3602097.54		0.36773	0.42045	0.50413	0.58750	0.68295
0.78153	0.89484	0.98603	1.07732			
3601847.54		0.34729	0.40052	0.47160	0.52825	0.59431
0.67417	0.75421	0.81002	0.87822			
3601597.54		0.33066	0.37937	0.42994	0.47390	0.52744
0.58822	0.64186	0.69024	0.72615			
3601347.54		0.31459	0.35492	0.39203	0.43301	0.47834
0.51644	0.55989	0.59017	0.62438			
3601097.54		0.30041	0.33034	0.36112	0.39616	0.43169
0.45974	0.48564	0.51798	0.54686			

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC3
 INCLUDING SOURCE(S): SC3 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)				X-COORD (METERS)	
509868.86	510118.86	510368.86	510618.86	509368.86	509618.86

3606097.54		0.03341	0.03520	0.02097	0.03740	0.01950
0.01303	0.01143	0.01095	0.00934			
3605847.54		0.09953	0.14004	0.03106	0.15104	0.02635
0.02011	0.01438	0.01296	0.01070			
3605597.54		0.57889	0.22867	0.14969	0.14860	0.09973
0.05135	0.01875	0.01286	0.01148			
3605347.54		0.12040	0.30262	0.22260	0.21661	0.22529
0.03316	0.02124	0.01550	0.01524			
3605097.54		0.06562	0.07002	0.05267	0.03649	0.04331
0.10249	0.02656	0.02157	0.01581			
3604847.54		0.08629	0.05128	0.04305	0.03444	0.03120
0.03042	0.03801	0.03314	0.02434			
3604597.54		0.14228	0.08956	0.05756	0.04484	0.03443
0.02877	0.03137	0.03279	0.04045			

3604347.54		0.50469	0.24533	0.11542	0.10086	0.05440
0.04132	0.03182	0.02989	0.03025			
3604097.54		15.00294	2.16362	0.51710	0.21122	0.12430
0.06461	0.04855	0.04327	0.03525			
3603847.54		306.76296	10.00706	2.93902	1.14918	0.36728
0.17560	0.11575	0.09639	0.06117			
3603597.54		10.80600	1.97304	1.33092	1.12613	0.78964
0.52231	0.33383	0.26106	0.14409			
3603347.54		10.50931	1.88211	0.48064	0.77407	1.75869
0.63338	1.04762	0.54421	0.22517			
3603097.54		5.56099	4.88547	0.88539	2.62841	2.01331
1.35584	1.20179	0.36659	0.19689			
3602847.54		2.87261	2.81065	3.00028	1.99987	1.56921
1.36849	1.11767	0.82277	0.15616			
3602597.54		1.97769	1.95009	1.89790	1.57530	1.37141
1.16263	0.98725	0.58202	0.12107			
3602347.54		1.50454	1.47478	1.38574	1.28709	1.19414
0.96306	0.85195	0.77530	0.55513			
3602097.54		1.14891	1.15615	1.08456	1.05306	0.99810
0.88423	0.78559	0.64676	0.58175			
3601847.54		0.91863	0.93020	0.91881	0.87470	0.82591
0.75293	0.71017	0.63584	0.53168			
3601597.54		0.76303	0.79568	0.77143	0.73902	0.68596
0.65462	0.61154	0.58486	0.48068			
3601347.54		0.64462	0.67831	0.65889	0.63710	0.57562
0.57039	0.55202	0.50334	0.42009			
3601097.54		0.55871	0.57741	0.56978	0.55168	0.51269
0.49938	0.48538	0.42028	0.42147			

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC3
 INCLUDING SOURCE(S): SC3 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)			X-COORD (METERS)
510868.86	511118.86		

3606097.54		0.00836	0.00748
3605847.54		0.00922	0.00823
3605597.54		0.01053	0.00943
3605347.54		0.01341	0.01087
3605097.54		0.01358	0.01306
3604847.54		0.01874	0.01947
3604597.54		0.03500	0.01956
3604347.54		0.02462	0.02098
3604097.54		0.02903	0.02494
3603847.54		0.04904	0.04338
3603597.54		0.10442	0.07270
3603347.54		0.11342	0.09076
3603097.54		0.13418	0.10347
3602847.54		0.11115	0.12020
3602597.54		0.11156	0.14149

Otay Hills Quarry AERMOD Output File (HRA)

3602347.54	0.32070	0.39414
3602097.54	0.52724	0.47718
3601847.54	0.46203	0.41890
3601597.54	0.45101	0.37684
3601347.54	0.39205	0.37075
3601097.54	0.35301	0.34722

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC3
 INCLUDING SOURCE(S): SC3 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	19.94854	507708.67
3603932.32	3.51637		
506203.59	3603369.23	0.50315	507919.87
3604794.52	1.71547		
507037.89	3604916.08	1.86855	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC4
 INCLUDING SOURCE(S): SC4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
505368.86	505618.86
505368.86	505868.86
505368.86	506118.86

3606097.54	0.26548	0.29930	0.33952	0.39264	0.42550
0.49970	0.53837	0.53934	0.49923		
3605847.54	0.26090	0.29786	0.33872	0.40552	0.47117
0.53304	0.59055	0.64786	0.61911		
3605597.54	0.25053	0.28369	0.33859	0.40398	0.46999
0.54483	0.62943	0.72440	0.80680		
3605347.54	0.28108	0.28996	0.30768	0.34411	0.43346
0.52024	0.61689	0.74138	0.86835		

3605097.54	0.28126	0.31207	0.34419	0.35096	0.38661
0.45094	0.58281	0.70013	0.85024		
3604847.54	0.26862	0.29836	0.32403	0.36105	0.43607
0.44123	0.50205	0.64834	0.78031		
3604597.54	0.25185	0.27870	0.31342	0.36468	0.43339
0.44736	0.52560	0.56763	0.70506		
3604347.54	0.23780	0.26075	0.29235	0.33343	0.38833
0.45397	0.53289	0.60973	0.63208		
3604097.54	0.22178	0.25120	0.27533	0.30849	0.35183
0.40709	0.49511	0.57244	0.61295		
3603847.54	0.20514	0.22895	0.26297	0.29038	0.33443
0.38734	0.43803	0.48503	0.57190		
3603597.54	0.19140	0.20994	0.23810	0.26598	0.29321
0.33698	0.37603	0.42446	0.50001		
3603347.54	0.18068	0.19973	0.22233	0.24490	0.27269
0.30634	0.34776	0.39922	0.47863		
3603097.54	0.17342	0.18938	0.20750	0.23806	0.25825
0.28666	0.33561	0.38061	0.46088		
3602847.54	0.16668	0.18249	0.20483	0.22430	0.24868
0.27889	0.32818	0.37647	0.45466		
3602597.54	0.16292	0.17850	0.19978	0.22135	0.24739
0.28019	0.32624	0.37298	0.43743		
3602347.54	0.16103	0.17636	0.19420	0.21503	0.24449
0.28063	0.31682	0.35063	0.38399		
3602097.54	0.15940	0.17507	0.19396	0.21399	0.23828
0.25951	0.28123	0.30780	0.33160		
3601847.54	0.15909	0.17365	0.18775	0.20257	0.21915
0.23255	0.25111	0.27431	0.30793		
3601597.54	0.15560	0.16630	0.17549	0.18539	0.19607
0.21133	0.23031	0.25729	0.29334		
3601347.54	0.14730	0.15396	0.16116	0.17011	0.18362
0.19983	0.22060	0.24781	0.27935		
3601097.54	0.13658	0.14260	0.15110	0.16376	0.17722
0.19493	0.21513	0.24254	0.27153		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC4
 INCLUDING SOURCE(S): SC4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507868.86
507618.86	508118.86
507618.86	508368.86

3606097.54	0.50911	0.53022	0.51031	0.53618	0.45814
0.32816	0.14353	0.12498	0.04443		
3605847.54	0.60486	0.61729	0.66065	0.65733	0.53143
0.38407	0.29321	0.31821	0.11434		
3605597.54	0.77130	0.75503	0.76194	0.79975	0.80990
0.49969	0.32924	0.59200	0.56172		
3605347.54	0.99324	1.07635	0.97990	0.96114	0.92617
0.83361	0.74987	0.71824	0.19177		

Otay Hills Quarry AERMOD Output File (HRA)

3605097.54		1.03361	1.24684	1.45445	1.55704	1.42324
1.36882		1.19555	0.62404	0.08465		
3604847.54		0.98329	1.25292	1.62938	2.05578	2.38479
2.46867		1.70239	0.99601	0.19590		
3604597.54		0.89593	1.17111	1.53871	2.11988	2.99574
3.89212		3.94526	1.10982	0.23988		
3604347.54		0.82511	1.02048	1.29421	1.83085	2.80288
4.38340		6.76044	7.43363	1.92193		
3604097.54		0.69101	0.89759	1.21132	1.67141	2.24478
3.53550		6.86580	14.81005	21.69179		
3603847.54		0.66724	0.75423	0.96765	1.23099	1.78145
2.72652		4.75262	9.25616	37.75748		
3603597.54		0.62348	0.73807	0.89668	1.16453	1.49702
2.18214		3.73034	6.19648	15.76872		
3603347.54		0.57317	0.69884	0.83058	1.09974	1.52477
1.89800		2.64183	4.14190	7.99985		
3603097.54		0.55708	0.67776	0.82616	1.00116	1.19154
1.47160		2.09373	3.01099	4.29412		
3602847.54		0.54872	0.64900	0.72338	0.82776	0.99298
1.25508		1.69410	2.22133	2.66000		
3602597.54		0.50025	0.52811	0.61149	0.74144	0.88310
1.09921		1.37677	1.63018	1.91818		
3602347.54		0.41175	0.46681	0.55066	0.66504	0.79813
0.92838		1.10204	1.25768	1.42200		
3602097.54		0.37091	0.42393	0.50875	0.59409	0.69241
0.79343		0.91017	1.00422	1.09821		
3601847.54		0.34988	0.40373	0.47618	0.53444	0.60205
0.68373		0.76609	0.82335	0.89337		
3601597.54		0.33303	0.38256	0.43435	0.47937	0.53388
0.59608		0.65114	0.70067	0.73735		
3601347.54		0.31693	0.35810	0.39609	0.43781	0.48396
0.52296		0.56744	0.59832	0.63327		
3601097.54		0.30281	0.33341	0.36477	0.40035	0.43656
0.46526		0.49168	0.52466	0.55414		

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC4
 INCLUDING SOURCE(S): SC4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)				X-COORD (METERS)	
509868.86	510118.86	510368.86	510618.86	509368.86	509618.86

3606097.54		0.03292	0.03464	0.02071	0.03661	0.01928
0.01291		0.01133	0.01087	0.00929		
3605847.54		0.09595	0.13499	0.03055	0.14621	0.02598
0.01973		0.01425	0.01288	0.01064		
3605597.54		0.56848	0.22028	0.14382	0.14284	0.09547
0.05052		0.01862	0.01278	0.01139		
3605347.54		0.11568	0.29032	0.21358	0.20723	0.21721
0.03282		0.02114	0.01534	0.01508		

3605097.54		0.06401	0.06817	0.05149	0.03574	0.04283
0.09738		0.02579	0.02122	0.01565		
3604847.54		0.08318	0.04986	0.04210	0.03385	0.03088
0.02974		0.03702	0.03246	0.02389		
3604597.54		0.13624	0.08638	0.05606	0.04407	0.03373
0.02807		0.03057	0.03198	0.03913		
3604347.54		0.46862	0.23183	0.11122	0.09652	0.05234
0.04022		0.03114	0.02907	0.02928		
3604097.54		13.14731	1.90843	0.45888	0.19368	0.11633
0.06147		0.04660	0.04175	0.03423		
3603847.54		210.61771	8.21218	2.57063	1.03453	0.33355
0.16265		0.10858	0.09111	0.05835		
3603597.54		10.67625	2.17092	1.42049	1.12381	0.77363
0.50923		0.32406	0.25260	0.13892		
3603347.54		11.21550	1.85621	0.50348	0.79785	1.75157
0.63400		1.02854	0.53148	0.22227		
3603097.54		5.81900	5.05816	0.86114	2.62881	2.03773
1.36191		1.20728	0.36596	0.19726		
3602847.54		2.96735	2.88856	3.06161	2.02414	1.58431
1.37579		1.12988	0.82623	0.15912		
3602597.54		2.03018	1.99451	1.93896	1.60051	1.38407
1.17165		0.99389	0.57289	0.12232		
3602347.54		1.53893	1.50393	1.41048	1.30979	1.20799
0.96989		0.85773	0.77859	0.54954		
3602097.54		1.17130	1.17634	1.10168	1.06920	1.01235
0.89174		0.78248	0.64379	0.58524		
3601847.54		0.93436	0.94469	0.93250	0.88664	0.83746
0.76063		0.71519	0.63455	0.53453		
3601597.54		0.77482	0.80737	0.78194	0.74851	0.69412
0.66242		0.61632	0.58839	0.48299		
3601347.54		0.65370	0.68757	0.66717	0.64488	0.58156
0.57690		0.55744	0.50650	0.42194		
3601097.54		0.56602	0.58464	0.57643	0.55797	0.51786
0.50437		0.49050	0.42305	0.42374		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC4
 INCLUDING SOURCE(S): SC4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)			X-COORD (METERS)
510868.86	511118.86		

3606097.54		0.00832	0.00744
3605847.54		0.00917	0.00818
3605597.54		0.01044	0.00938
3605347.54		0.01330	0.01077
3605097.54		0.01338	0.01284
3604847.54		0.01842	0.01909
3604597.54		0.03404	0.01926
3604347.54		0.02389	0.02048
3604097.54		0.02826	0.02436

Otay Hills Quarry AERMOD Output File (HRA)

3603847.54		0.04698	0.04173
3603597.54		0.10076	0.07028
3603347.54		0.11176	0.08925
3603097.54		0.13416	0.10302
3602847.54		0.11302	0.12087
3602597.54		0.11356	0.14275
3602347.54		0.31516	0.39182
3602097.54		0.52984	0.47946
3601847.54		0.46457	0.42096
3601597.54		0.45319	0.37869
3601347.54		0.39368	0.37242
3601097.54		0.35441	0.34864

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC4 ***
INCLUDING SOURCE(S): SC4 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	21.38698	507708.67
3603932.32	3.65464		
506203.59	3603369.23	0.50852	507919.87
3604794.52	1.56592		
507037.89	3604916.08	1.86097	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SC5 ***
INCLUDING SOURCE(S): SC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86
505618.86	504368.86
505868.86	504618.86
506118.86	504868.86
506368.86	505118.86
506618.86	505368.86
506868.86	505618.86
507118.86	505868.86
507368.86	506118.86
507618.86	506368.86
507868.86	506618.86
508118.86	506868.86
508368.86	507118.86
508618.86	507368.86
508868.86	507618.86
509118.86	507868.86
509368.86	508118.86
509618.86	508368.86
509868.86	508618.86
510118.86	508868.86
510368.86	509118.86
510618.86	509368.86
510868.86	509618.86
511118.86	509868.86
511368.86	510118.86
511618.86	510368.86
511868.86	510618.86
512118.86	510868.86
512368.86	511118.86
512618.86	511368.86
512868.86	511618.86
513118.86	511868.86
513368.86	512118.86
513618.86	512368.86
513868.86	512618.86
514118.86	512868.86
514368.86	513118.86
514618.86	513368.86
514868.86	513618.86
515118.86	513868.86
515368.86	514118.86
515618.86	514368.86
515868.86	514618.86
516118.86	514868.86
516368.86	515118.86
516618.86	515368.86
516868.86	515618.86
517118.86	515868.86
517368.86	516118.86
517618.86	516368.86
517868.86	516618.86
518118.86	516868.86
518368.86	517118.86
518618.86	517368.86
518868.86	517618.86
519118.86	517868.86
519368.86	518118.86
519618.86	518368.86
519868.86	518618.86
520118.86	518868.86
520368.86	519118.86
520618.86	519368.86
520868.86	519618.86
521118.86	519868.86
521368.86	520118.86
521618.86	520368.86
521868.86	520618.86
522118.86	520868.86
522368.86	521118.86
522618.86	521368.86
522868.86	521618.86
523118.86	521868.86
523368.86	522118.86
523618.86	522368.86
523868.86	522618.86
524118.86	522868.86
524368.86	523118.86
524618.86	523368.86
524868.86	523618.86
525118.86	523868.86
525368.86	524118.86
525618.86	524368.86
525868.86	524618.86
526118.86	524868.86
526368.86	525118.86
526618.86	525368.86
526868.86	525618.86
527118.86	525868.86
527368.86	526118.86
527618.86	526368.86
527868.86	526618.86
528118.86	526868.86
528368.86	527118.86
528618.86	527368.86
528868.86	527618.86
529118.86	527868.86
529368.86	528118.86
529618.86	528368.86
529868.86	528618.86
530118.86	528868.86
530368.86	529118.86
530618.86	529368.86
530868.86	529618.86
531118.86	529868.86
531368.86	530118.86
531618.86	530368.86
531868.86	530618.86
532118.86	530868.86
532368.86	531118.86
532618.86	531368.86
532868.86	531618.86
533118.86	531868.86
533368.86	532118.86
533618.86	532368.86
533868.86	532618.86
534118.86	532868.86
534368.86	533118.86
534618.86	533368.86
534868.86	533618.86
535118.86	533868.86
535368.86	534118.86
535618.86	534368.86
535868.86	534618.86
536118.86	534868.86
536368.86	535118.86
536618.86	535368.86
536868.86	535618.86
537118.86	535868.86
537368.86	536118.86
537618.86	536368.86
537868.86	536618.86
538118.86	536868.86
538368.86	537118.86
538618.86	537368.86
538868.86	537618.86
539118.86	537868.86
539368.86	538118.86
539618.86	538368.86
539868.86	538618.86
540118.86	538868.86
540368.86	539118.86
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540868.86	539618.86
541118.86	539868.86
541368.86	540118.86
541618.86	540368.86
541868.86	540618.86
542118.86	540868.86
542368.86	541118.86
542618.86	541368.86
542868.86	541618.86
543118.86	541868.86
543368.86	542118.86
543618.86	542368.86
543868.86	542618.86
544118.86	542868.86
544368.86	543118.86
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544868.86	543618.86
545118.86	543868.86
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546368.86	545118.86
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547368.86	546118.86
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548368.86	547118.86
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548868.86	547618.86
549118.86	547868.86
549368.86	548118.86
549618.86	548368.86
549868.86	548618.86
550118.86	548868.86
550368.86	549118.86
550618.86	549368.86
550868.86	549618.86
551118.86	549868.86
551368.86	550118.86
551618.86	550368.86
551868.86	550618.86
552118.86	550868.86
552368.86	551118.86
552618.86	551368.86
552868.86	551618.86
553118.86	551868.86
553368.86	552118.86
553618.86	552368.86
553868.86	552618.86
554118.86	552868.86
554368.86	553118.86
554618.86	553368.86
554868.86	553618.86
555118.86	553868.86
555368.86	554118.86
555618.86	554368.86
555868.86	554618.86
556118.86	554868.86
556368.86	555118.86
556618.86	555368.86
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557118.86	555868.86
557368.86	556118.86
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558118.86	556868.86
558368.86	557118.86
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558868.86	557618.86
559118.86	557868.86
559368.86	558118.86
559618.86	558368.86
559868.86	558618.86
560118.86	558868.86
560368.86	559118.86
560618.86	559368.86
560868.86	559618.86
561118.86	559868.86
561368.86	560118.86
561618.86	560368.86
561868.86	560618.86
562118.86	560868.86
562368.86	561118.86
562618.86	561368.86
562868.86	561618.86
563118.86	561868.86
563368.86	562118.86
563618.86	562368.86
563868.86	562618.86
564118.86	562868.86
564368.86	563118.86
564618.86	563368.86
564868.86	563618.86
565118.86	563868.86
565368.86	564118.86
565618.86	564368.86
565868.86	564618.86
566118.86	564868.86
566368.86	565118.86
566618.86	565368.86
566868.86	565618.86
567118.86	565868.86
567368.86	566118.86
567618.86	566368.86
567868.86	566618.86
568118.86	566868.86
568368.86	567118.86
568618.86	567368.86
568868.86	567618.86
569118.86	567868.86
569368.86	568118.86
569618.86	568368.86
569868.86	568618.86
570118.86	568868.86
570368.86	569118.86
570618.86	569368.86
570868.86	569618.86
571118.86	569868.86
571368.86	570118.86
571618.86	570368.86
571868.86	570618.86
572118.86	570868.86
572368.86	571118.86
572618.86	571368.86
572868.86	571618.86
573118.86	571868.86
573368.86	572118.86
573618.86	572368.86
573868.86	572618.86
574118.86	572868.86
574368.86	573118.86
574618.86	573368.86
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575118.86	573868.86
575368.86	574118.86
575618.86	574368.86
575868.86	574618.86
576118.86	574868.86
576368.86	575118.86
576618.86	575368.86
576868.86	575618.86
577118.86	575868.86
577368.86	576118.86
577618.86	576368.86
577868.86	576618.86
578118.86	576868.86
578368.86	577118.86
578618.86	577368.86
578868.86	577618.86
579118.86	577868.86
579368.86	578118.86
579618.86	578368.86
579868.86	578618.86
580118.86	578868.86
580368.86	579118.86
580618.86	579368.86
580868.86	579618.86
581118.86	579868.86
581368.86	580118.86
581618.86	580368.86
581868.86	580618.86
582118.86	580868.86
582368.86	581118.86
582618.86	581368.86
582868.86	581618.86
583118.86	581868.86
583368.86	582118.86
583618.86	582368.86
583868.86	582618.86
584118.86	582868.86
584368.86	583118.86
584618.86	583368.86
584868.86	583618.86
585118.86	583868.86
585368.86	584118.86
585618.86	584368.86
585868.86	584618.86
586118.86	584868.86
586368.86	585118.86
5866	

Otay Hills Quarry AERMOD Output File (HRA)

3605847.54		0.62527	0.63935	0.68338	0.68616	0.57575
0.40544	0.31253	0.33814	0.12155			
3605597.54		0.79006	0.78338	0.79380	0.83336	0.87395
0.54494	0.35179	0.61606	0.58177			
3605347.54		1.00005	1.09929	1.02074	1.01020	0.97970
0.89189	0.78832	0.74904	0.20802			
3605097.54		1.01969	1.24653	1.48215	1.61979	1.50244
1.46187	1.29385	0.68266	0.08984			
3604847.54		0.96359	1.22593	1.60956	2.08166	2.49797
2.66215	1.97548	1.10792	0.21354			
3604597.54		0.88295	1.15058	1.50226	2.06515	2.98431
4.10934	4.39098	1.35458	0.26773			
3604347.54		0.80395	0.99467	1.26422	1.78624	2.71750
4.24272	7.00369	8.64004	2.33495			
3604097.54		0.67372	0.87098	1.16845	1.60212	2.14213
3.35683	6.48836	14.19659	30.30270			
3603847.54		0.64632	0.72954	0.93143	1.17917	1.68980
2.55207	4.35323	8.19414	30.18859			
3603597.54		0.60878	0.71930	0.87225	1.13042	1.45307
2.11707	3.56901	5.62093	13.60288			
3603347.54		0.56327	0.68698	0.81704	1.08064	1.48302
1.80022	2.50668	3.89593	7.10828			
3603097.54		0.55077	0.66916	0.80952	0.96528	1.13998
1.42515	2.01484	2.82969	3.94312			
3602847.54		0.53993	0.63136	0.69764	0.80190	0.96978
1.22156	1.62381	2.10131	2.49179			
3602597.54		0.48564	0.51282	0.59751	0.72726	0.86423
1.06511	1.32284	1.55355	1.81748			
3602347.54		0.40246	0.45857	0.54192	0.65310	0.77838
0.89986	1.06260	1.20599	1.35892			
3602097.54		0.36554	0.41821	0.50105	0.58229	0.67462
0.77065	0.87998	0.96773	1.05604			
3601847.54		0.34564	0.39842	0.46814	0.52290	0.58735
0.66529	0.74259	0.79660	0.86286			
3601597.54		0.32913	0.37706	0.42627	0.46906	0.52163
0.58078	0.63275	0.67990	0.71477			
3601347.54		0.31295	0.35235	0.38850	0.42879	0.47328
0.51021	0.55255	0.58210	0.61548			
3601097.54		0.29854	0.32772	0.35793	0.39250	0.42725
0.45447	0.47976	0.51144	0.53969			

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC5
 INCLUDING SOURCE(S): SC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)
 (METERS) | 508618.86 508868.86 509118.86 509368.86 509618.86
 509868.86 510118.86 510368.86 510618.86

3606097.54 | 0.03386 0.03566 0.02120 0.03796 0.01970
 0.01315 0.01157 0.01104 0.00938

3605847.54		0.10142	0.14308	0.03152	0.15426	0.02666
0.02038	0.01450	0.01302	0.01074			
3605597.54		0.59138	0.23440	0.15308	0.15238	0.10278
0.05119	0.01885	0.01292	0.01157			
3605347.54		0.12313	0.31100	0.22839	0.22345	0.22965
0.03331	0.02122	0.01570	0.01539			
3605097.54		0.06742	0.07184	0.05382	0.03726	0.04356
0.10598	0.02718	0.02192	0.01598			
3604847.54		0.08926	0.05292	0.04408	0.03499	0.03145
0.03118	0.03895	0.03373	0.02482			
3604597.54		0.14916	0.09313	0.05905	0.04567	0.03519
0.02963	0.03230	0.03375	0.04177			
3604347.54		0.54273	0.25745	0.12059	0.10520	0.05681
0.04249	0.03265	0.03103	0.03141			
3604097.54		17.65974	2.38897	0.58750	0.23247	0.13380
0.06837	0.05081	0.04502	0.03650			
3603847.54		232.02127	11.48975	3.29298	1.26706	0.40650
0.19108	0.12429	0.10263	0.06454			
3603597.54		10.40056	1.77199	1.20459	1.10535	0.79621
0.53102	0.34149	0.26804	0.14927			
3603347.54		9.79697	1.85228	0.45254	0.74041	1.72390
0.62318	1.04572	0.54887	0.22682			
3603097.54		5.29590	4.69317	0.89118	2.60160	1.98248
1.33420	1.18197	0.36276	0.19486			
3602847.54		2.77283	2.72564	2.78819	1.97018	1.55213
1.35516	1.10325	0.81107	0.15190			
3602597.54		1.92193	1.90057	1.85415	1.54571	1.35663
1.15228	0.97882	0.58285	0.11908			
3602347.54		1.46890	1.44250	1.35846	1.26261	1.17845
0.95505	0.84562	0.76995	0.55555			
3602097.54		1.12540	1.13390	1.06538	1.03581	0.98268
0.87576	0.78289	0.64470	0.57797			
3601847.54		0.90208	0.91424	0.90402	0.86185	0.81375
0.74426	0.70465	0.63362	0.52867			
3601597.54		0.75074	0.78330	0.76017	0.72886	0.67721
0.64625	0.60620	0.58096	0.47817			
3601347.54		0.63523	0.66867	0.65008	0.62888	0.56902
0.56357	0.54620	0.49986	0.41784			
3601097.54		0.55126	0.56989	0.56274	0.54507	0.50707
0.49413	0.48003	0.41688	0.41902			

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC5
 INCLUDING SOURCE(S): SC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)
 (METERS) | 510868.86 511118.86

3606097.54 | 0.00840 0.00751
 3605847.54 | 0.00928 0.00828
 3605597.54 | 0.01061 0.00947

Otay Hills Quarry AERMOD Output File (HRA)

3605347.54		0.01351	0.01099
3605097.54		0.01388	0.01334
3604847.54		0.01908	0.01976
3604597.54		0.03595	0.01992
3604347.54		0.02543	0.02153
3604097.54		0.02994	0.02564
3603847.54		0.05142	0.04527
3603597.54		0.10828	0.07535
3603347.54		0.11480	0.09216
3603097.54		0.13350	0.10348
3602847.54		0.10853	0.11869
3602597.54		0.10883	0.13891
3602347.54		0.32146	0.39254
3602097.54		0.52423	0.47438
3601847.54		0.45936	0.41673
3601597.54		0.44870	0.37489
3601347.54		0.39026	0.36904
3601097.54		0.35132	0.34574

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC5 ***
 INCLUDING SOURCE(S): SC5 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

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

508226.78	3603955.63	18.70767	507708.67
3603932.32	3.39734		
506203.59	3603369.23	0.49945	507919.87
3604794.52	1.85077		
507037.89	3604916.08	1.88660	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC6 ***
 INCLUDING SOURCE(S): SC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD		X-COORD (METERS)
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(METERS)		504118.86	504368.86	504618.86	504868.86	505118.86
505368.86		505618.86	505868.86	506118.86		

3606097.54		0.26226	0.29598	0.33657	0.39064	0.42620
0.50285		0.54537	0.55078	0.51514		
3605847.54		0.25774	0.29368	0.33386	0.39985	0.46607
0.53048		0.59248	0.65548	0.63412		
3605597.54		0.24884	0.28087	0.33374	0.39699	0.46156
0.53614		0.62274	0.72302	0.81415		
3605347.54		0.27885	0.28796	0.30552	0.34082	0.42665
0.51020		0.60441	0.72855	0.86065		
3605097.54		0.27760	0.30836	0.34050	0.34812	0.38359
0.44605		0.57266	0.68489	0.83056		
3604847.54		0.26390	0.29306	0.31851	0.35528	0.42921
0.43612		0.49686	0.63889	0.76562		
3604597.54		0.24765	0.27370	0.30735	0.35701	0.42380
0.43760		0.51409	0.55736	0.69245		
3604347.54		0.23395	0.25636	0.28710	0.32696	0.38013
0.44353		0.51949	0.59282	0.61533		
3604097.54		0.21767	0.24625	0.26970	0.30184	0.34378
0.39714		0.48225	0.55639	0.59506		
3603847.54		0.20111	0.22418	0.25709	0.28353	0.32600
0.37694		0.42541	0.47012	0.55277		
3603597.54		0.18826	0.20637	0.23379	0.26093	0.28741
0.32987		0.36770	0.41455	0.48736		
3603347.54		0.17829	0.19692	0.21898	0.24100	0.26807
0.30083		0.34113	0.39126	0.46861		
3603097.54		0.17113	0.18678	0.20455	0.23450	0.25444
0.28252		0.33067	0.37511	0.45401		
3602847.54		0.16477	0.18043	0.20253	0.22185	0.24599
0.27586		0.32440	0.37207	0.44846		
3602597.54		0.16153	0.17696	0.19796	0.21929	0.24508
0.27752		0.32254	0.36698	0.42662		
3602347.54		0.15977	0.17497	0.19270	0.21335	0.24217
0.27679		0.31042	0.34123	0.37272		
3602097.54		0.15833	0.17387	0.19236	0.21153	0.23428
0.25373		0.27406	0.30021	0.32474		
3601847.54		0.15792	0.17188	0.18507	0.19874	0.21426
0.22730		0.24604	0.26962	0.30315		
3601597.54		0.15364	0.16355	0.17206	0.18156	0.19228
0.20779		0.22696	0.25376	0.28924		
3601347.54		0.14471	0.15103	0.15818	0.16730	0.18099
0.19725		0.21785	0.24466	0.27559		
3601097.54		0.13418	0.14028	0.14895	0.16169	0.17514
0.19267		0.21259	0.23952	0.26772		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC6 ***
 INCLUDING SOURCE(S): SC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD		X-COORD (METERS)
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Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	506368.86	506618.86	506868.86	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86		
3606097.54	0.15516	0.13379	0.04655	0.56535	0.48209
0.34324	0.62629	0.64066	0.68471	0.68851	0.58166
3605847.54	0.31514	0.34102	0.12283		
0.40799	0.79016	0.78472	0.79573	0.83552	0.88100
3605597.54	0.35465	0.61784	0.58278		
0.55153	0.99776	1.09845	1.02246	1.01327	0.98372
3605347.54	0.79184	0.75111	0.21112		
0.89800	1.01508	1.24211	1.47961	1.62092	1.50693
3605097.54	1.30450	0.69005	0.09055		
1.46903	0.95885	1.21904	1.60088	2.07457	2.49855
3604847.54	2.00931	1.12246	0.21630		
2.67364	0.87913	1.14480	1.49307	2.05012	2.96512
3604597.54	4.42007	1.39594	0.27126		
4.10588	0.79989	0.98923	1.25683	1.77419	2.69479
3604347.54	6.95695	8.70771	2.39586		
4.19828	0.67060	0.86623	1.16087	1.58973	2.12291
3604097.54	6.39346	13.91202	30.84144		
3.31950	0.64310	0.72572	0.92581	1.17107	1.67550
3603847.54	4.29094	8.02884	28.99259		
2.52485	0.60606	0.71576	0.86750	1.12337	1.44284
3603597.54	3.52795	5.53470	13.27998		
2.09894	0.56096	0.68388	0.81298	1.07441	1.47289
3603347.54	2.48166	3.84766	7.01633		
1.78618	0.54863	0.66627	0.80558	0.96006	1.13306
3603097.54	1.99739	2.80396	3.90982		
1.41465	0.53788	0.62876	0.69453	0.79785	0.96401
3602847.54	1.21350	2.08684	2.47629		
1.21350	0.48393	0.51086	0.59492	0.72360	0.85949
3602597.54	1.31515	1.54539	1.80816		
1.05924	0.40111	0.45683	0.53960	0.65003	0.77470
3602347.54	1.05751	1.20078	1.35313		
0.89559	0.36431	0.41666	0.49901	0.57990	0.67188
3602097.54	0.76738	0.87649	1.05220		
0.76738	0.34450	0.39700	0.46641	0.52104	0.58519
3601847.54	0.74006	0.79398	0.86008		
0.66280	0.32807	0.37581	0.42489	0.46755	0.51985
3601597.54	0.63084	0.67786	0.71272		
0.57889	0.31201	0.35130	0.38736	0.42746	0.47178
3601347.54	0.50875	0.58052	0.61385		
0.50875	0.29772	0.32684	0.35694	0.39135	0.42604
3601097.54	0.45330	0.51015	0.53835		
0.45330					

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
3 YEARS FOR SOURCE GROUP: SC6
INCLUDING SOURCE(S): SC6
*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

(METERS)	508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86		
3606097.54	0.01159	0.01106	0.00939	0.03810	0.01975
0.01318	0.10243	0.14394	0.03163	0.15526	0.02675
3605847.54	0.01454	0.01306	0.01077		
0.02043	0.59297	0.23603	0.15442	0.15344	0.10334
3605597.54	0.01891	0.01295	0.01159		
0.05166	0.12453	0.31387	0.23046	0.22503	0.23165
3605347.54	0.02131	0.01573	0.01543		
0.03348	0.06780	0.07231	0.05410	0.03741	0.04383
3605097.54	0.10689	0.02727	0.02199	0.01604	
0.10689	0.08992	0.05317	0.04434	0.03518	0.03161
3604847.54	0.03912	0.03387	0.02491		
0.03131	0.15066	0.09391	0.05952	0.04599	0.03537
3604597.54	0.02976	0.03245	0.03390	0.04206	
0.02976	0.55234	0.26133	0.12187	0.10643	0.05721
3604347.54	0.04273	0.03282	0.03120	0.03158	
0.04273	18.15883	2.45506	0.59898	0.23592	0.13538
3604097.54	0.06900	0.05120	0.04533	0.03672	
0.06900	238.22508	11.92601	3.38276	1.29401	0.41385
3603847.54	0.19384	0.12578	0.10371	0.06511	
0.19384	10.51836	1.76330	1.19486	1.11103	0.80267
3603597.54	0.53532	0.34412	0.27007	0.15044	
2.09894	9.71883	1.86842	0.45071	0.74015	1.73197
3603347.54	0.62525	1.05223	0.55275	0.22789	
1.78618	5.26217	4.68705	0.90204	2.61763	1.98763
3603097.54	1.18454	0.36382	0.19529		
1.41465	2.75941	2.72127	2.78740	1.97428	1.55584
3602847.54	1.35903	0.81283	0.15159		
1.21350	1.91409	1.89764	1.85218	1.54545	1.35919
3602597.54	1.15458	0.98055	0.58625	0.11908	
1.05924	1.46351	1.44021	1.35721	1.26125	1.17910
3602347.54	0.95667	0.84695	0.77133	0.55808	
0.89559	1.12181	1.13209	1.06437	1.03502	0.98189
3602097.54	0.87660	0.78579	0.64692	0.57856	
0.76738	0.89950	0.91281	0.90303	0.86122	0.81296
3601847.54	0.74420	0.70535	0.63548	0.52926	
0.66280	0.74877	0.78199	0.75936	0.72821	0.67681
3601597.54	0.64569	0.60644	0.58153	0.47869	
0.57889	0.63369	0.66756	0.64940	0.62826	0.56877
3601347.54	0.56310	0.54592	0.50018	0.41827	
0.50875	0.55000	0.56898	0.56215	0.54455	0.50675
3601097.54	0.49387	0.47959	0.41694	0.41932	
0.45330					

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
3 YEARS FOR SOURCE GROUP: SC6
INCLUDING SOURCE(S): SC6
*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	510868.86	511118.86
3606097.54	0.00841	0.00753
3605847.54	0.00929	0.00829
3605597.54	0.01063	0.00949
3605347.54	0.01354	0.01102
3605097.54	0.01392	0.01337
3604847.54	0.01913	0.01982
3604597.54	0.03613	0.01999
3604347.54	0.02555	0.02162
3604097.54	0.03010	0.02577
3603847.54	0.05183	0.04559
3603597.54	0.10909	0.07589
3603347.54	0.11531	0.09261
3603097.54	0.13375	0.10372
3602847.54	0.10835	0.11872
3602597.54	0.10864	0.13884
3602347.54	0.32315	0.39387
3602097.54	0.52482	0.47490
3601847.54	0.45975	0.41708
3601597.54	0.44915	0.37517
3601347.54	0.39064	0.36935
3601097.54	0.35165	0.34603

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC6
 INCLUDING SOURCE(S): SC6 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	18.14825	507708.67
3603932.32	3.35514		
506203.59	3603369.23	0.49750	507919.87
3604794.52	1.88927		
507037.89	3604916.08	1.88099	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC7
 INCLUDING SOURCE(S): SC7 ,

GRIDCART ***
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 ** CONC OF TAC IN MICROGRAMS/M**3

Y-COORD (METERS)	504118.86	504368.86	504618.86	504868.86	505118.86
505368.86	505618.86	505868.86	506118.86		
3606097.54	0.26062	0.29310	0.33110	0.37930	0.41127
0.47420	0.50843	0.51184	0.48214		
3605847.54	0.25500	0.29008	0.32912	0.38932	0.44905
0.50550	0.55761	0.60804	0.59133		
3605597.54	0.24487	0.27638	0.32630	0.38616	0.44735
0.51625	0.59312	0.67751	0.74998		
3605347.54	0.26939	0.28005	0.29950	0.33528	0.41433
0.49392	0.58277	0.69499	0.80812		
3605097.54	0.27000	0.29866	0.32866	0.33917	0.37482
0.43481	0.55075	0.65869	0.79510		
3604847.54	0.25895	0.28703	0.31198	0.34711	0.41436
0.42598	0.48457	0.61107	0.73217		
3604597.54	0.24306	0.26874	0.30162	0.34938	0.41382
0.42940	0.50145	0.54900	0.67128		
3604347.54	0.22964	0.25168	0.28153	0.32001	0.37118
0.43258	0.50630	0.57746	0.61248		
3604097.54	0.21505	0.24260	0.26579	0.29719	0.33781
0.38929	0.47156	0.54287	0.58539		
3603847.54	0.19957	0.22213	0.25409	0.28023	0.32180
0.37203	0.41942	0.46417	0.54530		
3603597.54	0.18584	0.20355	0.22989	0.25621	0.28215
0.32298	0.36000	0.40610	0.47597		
3603347.54	0.17503	0.19303	0.21430	0.23577	0.26205
0.29375	0.33252	0.38036	0.45263		
3603097.54	0.16807	0.18330	0.20056	0.22883	0.24808
0.27479	0.31926	0.36069	0.43288		
3602847.54	0.16142	0.17628	0.19694	0.21520	0.23797
0.26610	0.31084	0.35503	0.42600		
3602597.54	0.15719	0.17184	0.19162	0.21182	0.23604
0.26630	0.30863	0.35323	0.41730		
3602347.54	0.15520	0.16967	0.18640	0.20589	0.23328
0.26765	0.30396	0.33965	0.37415		
3602097.54	0.15350	0.16820	0.18606	0.20565	0.22993
0.25232	0.27491	0.30032	0.32037		
3601847.54	0.15320	0.16751	0.18202	0.19761	0.21472
0.22806	0.24475	0.26476	0.29457		
3601597.54	0.15114	0.16241	0.17230	0.18236	0.19230
0.20571	0.22240	0.24685	0.28005		
3601347.54	0.14464	0.15161	0.15856	0.16656	0.17850
0.19305	0.21217	0.23746	0.26703		
3601097.54	0.13459	0.14012	0.14767	0.15906	0.17133
0.18779	0.20669	0.23240	0.26018		

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC7
 INCLUDING SOURCE(S): SC7 ,

GRIDCART ***		*** NETWORK ID: UCAT1 ; NETWORK TYPE:				
		** CONC OF TAC			IN MICROGRAMS/M**3	
Y-COORD (METERS)					X-COORD (METERS)	
507618.86		506368.86	506618.86	506868.86	507118.86	507368.86
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3606097.54		0.48885	0.50335	0.48518	0.51671	0.44646
0.35148	0.19517	0.16445	0.05043			
3605847.54		0.58215	0.59030	0.62002	0.61486	0.59801
0.41832	0.34646	0.37421	0.15584			
3605597.54		0.73131	0.72276	0.72616	0.74912	0.82546
0.56549	0.40406	0.56028	0.52396			
3605347.54		0.91747	0.99068	0.93005	0.91452	0.88240
0.79261	0.69634	0.66292	0.27561			
3605097.54		0.95870	1.14349	1.31761	1.40218	1.30650
1.25325	1.10226	0.75008	0.08995			
3604847.54		0.91521	1.15517	1.47777	1.82967	2.10061
2.22082	1.92680	1.18171	0.26358			
3604597.54		0.83852	1.07979	1.40516	1.90429	2.61867
3.38821	3.51964	1.77728	0.26700			
3604347.54		0.78256	0.96280	1.21316	1.66764	2.47984
3.75456	5.47386	5.92378	2.90693			
3604097.54		0.66905	0.85516	1.13240	1.53713	2.06224
3.14445	5.69113	11.18436	15.00490			
3603847.54		0.63611	0.72977	0.92720	1.18279	1.66923
2.49442	4.19217	8.13541	29.03394			
3603597.54		0.58814	0.69299	0.83781	1.07498	1.37418
1.95129	3.16795	5.51004	12.92924			
3603347.54		0.53832	0.65073	0.76719	0.99888	1.36861
1.75273	2.44236	3.70725	7.44490			
3603097.54		0.51940	0.62704	0.76205	0.93635	1.13444
1.36621	1.89777	2.85004	4.20693			
3602847.54		0.51433	0.61527	0.69475	0.79032	0.92202
1.16120	1.59957	2.14365	2.65755			
3602597.54		0.48410	0.51151	0.58277	0.69164	0.82109
1.04059	1.31982	1.60666	1.90326			
3602347.54		0.39857	0.44484	0.51770	0.62187	0.75436
0.89485	1.07195	1.24801	1.41553			
3602097.54		0.35411	0.40169	0.47952	0.56423	0.66633
0.76914	0.89278	0.99803	1.09680			
3601847.54		0.33278	0.38289	0.45249	0.51468	0.58412
0.66597	0.75459	0.81833	0.89018			
3601597.54		0.31715	0.36489	0.41765	0.46507	0.51897
0.58322	0.64288	0.69388	0.73493			
3601347.54		0.30315	0.34448	0.38388	0.42498	0.47043
0.51364	0.55956	0.59237	0.62877			
3601097.54		0.29141	0.32298	0.35441	0.38862	0.42548
0.45756	0.48544	0.51836	0.54836			
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*** AERMOD - VERSION Hills\Otay Hills.isc		18081 ***	*** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc			
*** AERMET - VERSION		18081 ***	*** 05/16/19			
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3 YEARS FOR SOURCE	*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER ***	INCLUDING SOURCE(S):	SC7

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 *** MODELOPTS: RegDEFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SC7
 INCLUDING SOURCE(S): SC7

Otay Hills Quarry AERMOD Output File (HRA)

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)	CONC
510868.86	511118.86	
3606097.54	0.00842	0.00756
3605847.54	0.00930	0.00820
3605597.54	0.01046	0.00948
3605347.54	0.01367	0.01086
3605097.54	0.01342	0.01261
3604847.54	0.01818	0.01935
3604597.54	0.03647	0.01952
3604347.54	0.02317	0.01992
3604097.54	0.02781	0.02405
3603847.54	0.04526	0.04038
3603597.54	0.10050	0.06930
3603347.54	0.11542	0.09132
3603097.54	0.14252	0.10767
3602847.54	0.12237	0.13037
3602597.54	0.12671	0.16323
3602347.54	0.40155	0.46049
3602097.54	0.53401	0.48679
3601847.54	0.46594	0.42160
3601597.54	0.45442	0.38005
3601347.54	0.39622	0.37280
3601097.54	0.35892	0.34916

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: SC7

INCLUDING SOURCE(S): SC7 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	15.99032	507708.67	
3603932.32	3.27327			
506203.59	3603369.23	0.48017	507919.87	
3604794.52	1.94868			
507037.89	3604916.08	1.66479		

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: SP1

INCLUDING SOURCE(S): SP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)	CONC
504118.86	504368.86	504618.86
505368.86	505618.86	505868.86
506118.86		

3606097.54	0.33382	0.37185	0.41354	0.45881	0.49538
0.54253	0.56928	0.56991	0.54748		
3605847.54	0.32219	0.36251	0.40852	0.46787	0.52850
0.58534	0.63487	0.67614	0.67093		
3605597.54	0.30989	0.34666	0.39711	0.46020	0.52813
0.60292	0.68191	0.76098	0.82315		
3605347.54	0.31794	0.34058	0.37505	0.42244	0.49649
0.58276	0.68037	0.79605	0.90746		
3605097.54	0.31466	0.34794	0.38413	0.41380	0.46502
0.53462	0.64621	0.76764	0.91611		
3604847.54	0.30043	0.33325	0.36610	0.40936	0.47760
0.51836	0.59538	0.71578	0.85656		
3604597.54	0.27937	0.30989	0.34770	0.40002	0.47146
0.50322	0.58478	0.66947	0.79970		
3604347.54	0.25884	0.28515	0.31917	0.36181	0.41780
0.48610	0.56888	0.65209	0.74004		
3604097.54	0.23744	0.26611	0.29313	0.32826	0.37239
0.42797	0.51495	0.59363	0.66426		
3603847.54	0.21506	0.23835	0.27024	0.29866	0.34148
0.39422	0.44430	0.49730	0.58411		
3603597.54	0.19479	0.21326	0.23859	0.26507	0.29272
0.33278	0.37227	0.42219	0.49159		
3603347.54	0.17957	0.19703	0.21744	0.23895	0.26485
0.29572	0.33322	0.37903	0.44361		
3603097.54	0.16894	0.18360	0.20036	0.22486	0.24434
0.27024	0.30855	0.34783	0.41028		
3602847.54	0.15855	0.17212	0.19018	0.20745	0.22897
0.25559	0.29480	0.33730	0.40243		
3602597.54	0.15087	0.16451	0.18225	0.20158	0.22498
0.25433	0.29450	0.33945	0.40308		
3602347.54	0.14782	0.16206	0.17876	0.19864	0.22522
0.25872	0.29586	0.33395	0.37091		
3602097.54	0.14739	0.16242	0.18061	0.20114	0.22590
0.25005	0.27392	0.29900	0.31789		
3601847.54	0.14907	0.16420	0.18012	0.19697	0.21456
0.22828	0.24369	0.26197	0.29102		
3601597.54	0.14949	0.16178	0.17285	0.18310	0.19254
0.20431	0.21978	0.24441	0.28077		
3601347.54	0.14473	0.15219	0.15896	0.16592	0.17652
0.19028	0.21031	0.23865	0.27471		
3601097.54	0.13481	0.13980	0.14627	0.15656	0.16860
0.18613	0.20792	0.23859	0.27462		

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 ***

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Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP1          ***
      INCLUDING SOURCE(S):             SP1          ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |      X-COORD (METERS)
      (METERS) |      506368.86      506618.86      506868.86      507118.86      507368.86
507618.86      507868.86      508118.86      508368.86
-----
3606097.54 |      0.52903      0.50829      0.45906      0.44608      0.35168
0.30673      0.20232      0.16085      0.05213
3605847.54 |      0.65687      0.63215      0.60655      0.54593      0.50713
0.38728      0.31951      0.26972      0.14884
3605597.54 |      0.82129      0.80734      0.77081      0.72097      0.73262
0.53613      0.39006      0.32021      0.23594
3605347.54 |      1.00518      1.05982      1.02269      0.96504      0.85968
0.66262      0.48387      0.39007      0.25806
3605097.54 |      1.08391      1.25306      1.38379      1.40716      1.28207
1.09666      0.79550      0.65132      0.08959
3604847.54 |      1.05670      1.31016      1.61139      1.88510      2.01689
1.98164      1.75832      1.03352      0.29215
3604597.54 |      0.97707      1.23392      1.58969      2.08800      2.67137
3.12781      2.92363      1.72688      0.26256
3604347.54 |      0.91225      1.12711      1.42873      1.90867      2.72390
3.90165      4.93728      4.36049      2.36978
3604097.54 |      0.79208      0.99111      1.28403      1.72003      2.36558
3.54445      5.98579      10.06190      8.04128
3603847.54 |      0.68922      0.82492      1.03915      1.34857      1.85657
2.73804      4.51786      9.00569      26.75695
3603597.54 |      0.59456      0.70128      0.84967      1.07468      1.38878
1.92871      2.95076      5.23111      12.83917
3603347.54 |      0.52131      0.62223      0.73604      0.93747      1.25805
1.69614      2.45593      3.96834      8.91058
3603097.54 |      0.48797      0.58665      0.71593      0.89532      1.12002
1.38774      1.99350      3.38394      5.36387
3602847.54 |      0.48702      0.58866      0.67833      0.78205      0.91996
1.22504      1.82606      2.64490      3.47923
3602597.54 |      0.47397      0.50797      0.57584      0.68179      0.85087
1.16298      1.57293      2.04344      2.46136
3602347.54 |      0.39633      0.43976      0.51430      0.63731      0.82182
1.05104      1.32112      1.60483      1.83744
3602097.54 |      0.35032      0.40291      0.49285      0.61177      0.76370
0.92566      1.11711      1.28878      1.43058
3601847.54 |      0.33323      0.39443      0.48332      0.58215      0.69076
0.81453      0.95083      1.05852      1.15444
3601597.54 |      0.32625      0.38870      0.46437      0.54064      0.62247
0.72089      0.81424      0.89080      0.95297
3601347.54 |      0.32171      0.37930      0.43895      0.49898      0.56678
0.64000      0.70699      0.76000      0.80698
3601097.54 |      0.31813      0.36497      0.41118      0.45988      0.51678
0.57120      0.61599      0.66060      0.69688

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP1          ***
      INCLUDING SOURCE(S):             SP1          ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |      X-COORD (METERS)
      (METERS) |      508618.86      508868.86      509118.86      509368.86      509618.86
509868.86      510118.86      510368.86      510618.86
-----
3606097.54 |      0.03493      0.03692      0.02122      0.03975      0.01822
0.01209      0.01042      0.01015      0.00878
3605847.54 |      0.12585      0.13717      0.03112      0.11971      0.02504
0.01908      0.01367      0.01249      0.01033
3605597.54 |      0.21558      0.18589      0.15051      0.13237      0.11186
0.06646      0.01855      0.01235      0.01089
3605347.54 |      0.16346      0.23530      0.19226      0.17882      0.20022
0.03752      0.02192      0.01522      0.01433
3605097.54 |      0.06275      0.07156      0.04813      0.03383      0.04962
0.13046      0.02602      0.02030      0.01537
3604847.54 |      0.07945      0.04609      0.03951      0.03115      0.03133
0.02823      0.03717      0.03259      0.02357
3604597.54 |      0.12403      0.07593      0.05095      0.04410      0.03088
0.02621      0.02853      0.03081      0.03983
3604347.54 |      0.63939      0.19269      0.11728      0.08846      0.04616
0.03584      0.02904      0.02793      0.02797
3604097.54 |      2.59079      1.99719      0.65474      0.17044      0.10248
0.05439      0.04209      0.03918      0.03268
3603847.54 |      12.23049      7.08273      3.34693      1.39332      0.28565
0.14108      0.09821      0.08521      0.05579
3603597.54 |      49.52912      5.26938      2.16429      1.37913      0.91080
0.57133      0.34033      0.26550      0.13885
3603347.54 |      13.99538      4.83828      0.90537      1.40029      2.69028
0.93722      1.45747      0.79695      0.25175
3603097.54 |      6.97129      5.82347      1.84798      2.85081      1.92952
1.76055      1.45460      0.52684      0.23213
3602847.54 |      4.01774      3.66666      3.49278      2.08770      1.51479
1.36955      1.06935      1.01600      0.20481
3602597.54 |      2.72469      2.59725      2.22629      1.78370      1.37048
1.10118      0.93222      0.78743      0.16489
3602347.54 |      1.99725      1.94678      1.71791      1.48163      1.24681
0.96419      0.81059      0.76498      0.66614
3602097.54 |      1.53172      1.51828      1.37855      1.22958      1.09106
0.90762      0.92687      0.75927      0.54844
3601847.54 |      1.22044      1.22051      1.14346      1.03679      0.93306
0.81658      0.71226      0.72334      0.50967
3601597.54 |      1.00169      1.01434      0.96019      0.88624      0.79843
0.72945      0.64564      0.58184      0.47152
3601347.54 |      0.84000      0.85663      0.81926      0.76766      0.69233
0.64626      0.59749      0.52287      0.43593
3601097.54 |      0.71897      0.73110      0.70835      0.66922      0.61613
0.57436      0.53846      0.47288      0.43298

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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Otay Hills Quarry AERMOD Output File (HRA)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP1 ***
INCLUDING SOURCE(S): SP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54	0.00784	0.00707
3605847.54	0.00886	0.00762
3605597.54	0.00993	0.00887
3605347.54	0.01308	0.01045
3605097.54	0.01288	0.01198
3604847.54	0.01703	0.01803
3604597.54	0.03475	0.01918
3604347.54	0.02249	0.01915
3604097.54	0.02738	0.02393
3603847.54	0.04588	0.04122
3603597.54	0.10082	0.07033
3603347.54	0.11850	0.09372
3603097.54	0.15168	0.11339
3602847.54	0.13811	0.14200
3602597.54	0.14989	0.18474
3602347.54	0.46153	0.50680
3602097.54	0.49535	0.45643
3601847.54	0.43978	0.39286
3601597.54	0.43334	0.36326
3601347.54	0.38773	0.35767
3601097.54	0.36425	0.33879

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP1 ***
INCLUDING SOURCE(S): SP1 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	15.49937	507708.67
3603932.32	3.63747		
506203.59	3603369.23	0.47084	507919.87
3604794.52	1.76466		
507037.89	3604916.08	1.72376	

508226.78	3603955.63	15.49937	507708.67
3603932.32	3.63747		
506203.59	3603369.23	0.47084	507919.87
3604794.52	1.76466		
507037.89	3604916.08	1.72376	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP10 ***
INCLUDING SOURCE(S): SP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86

3606097.54	0.32468	0.36533	0.41328	0.47679	0.50969
0.59715	0.63278	0.61615	0.54561		
3605847.54	0.31801	0.36508	0.41595	0.50051	0.58000
0.65035	0.71001	0.76544	0.70217		
3605597.54	0.30044	0.34307	0.41578	0.50075	0.58433
0.67599	0.77518	0.87982	0.96017		
3605347.54	0.34030	0.34890	0.36849	0.41412	0.53321
0.64603	0.76869	0.92130	1.06624		
3605097.54	0.34094	0.37858	0.41747	0.42123	0.46288
0.54441	0.71904	0.87255	1.06430		
3604847.54	0.32256	0.35985	0.39131	0.43675	0.53076
0.53004	0.60208	0.79276	0.96418		
3604597.54	0.29667	0.32989	0.37315	0.43713	0.52223
0.54055	0.63923	0.68277	0.85643		
3604347.54	0.27460	0.30218	0.34037	0.39048	0.45773
0.53848	0.63673	0.73580	0.75644		
3604097.54	0.24898	0.28368	0.31199	0.35133	0.40302
0.46931	0.57398	0.66880	0.71888		
3603847.54	0.22208	0.24888	0.28738	0.31827	0.36820
0.42814	0.48688	0.54182	0.64333		
3603597.54	0.20064	0.22057	0.25121	0.28110	0.31040
0.35791	0.40006	0.45251	0.53521		
3603347.54	0.18690	0.20718	0.23092	0.25460	0.28364
0.31843	0.36109	0.41362	0.49467		
3603097.54	0.17689	0.19267	0.21020	0.24068	0.25947
0.28624	0.33480	0.37958	0.46200		
3602847.54	0.16411	0.17877	0.20021	0.21898	0.24320
0.27396	0.32543	0.37690	0.46281		
3602597.54	0.15676	0.17225	0.19418	0.21645	0.24370
0.27897	0.33050	0.38683	0.46310		
3602347.54	0.15579	0.17165	0.19033	0.21299	0.24668
0.28945	0.33310	0.37089	0.40189		
3602097.54	0.15582	0.17308	0.19500	0.21949	0.24901
0.27326	0.29433	0.31752	0.34116		
3601847.54	0.15957	0.17746	0.19506	0.21228	0.22876
0.24011	0.25661	0.28104	0.32052		
3601597.54	0.16109	0.17348	0.18291	0.19135	0.19997
0.21445	0.23549	0.26750	0.31249		
3601347.54	0.15326	0.15892	0.16429	0.17192	0.18537
0.20382	0.22892	0.26322	0.30639		
3601097.54	0.13929	0.14401	0.15158	0.16474	0.18030
0.20182	0.22770	0.26435	0.30758		

Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP10 ***
INCLUDING SOURCE(S): SP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507118.86
507868.86	507368.86
508118.86	
508368.86	

3606097.54	0.53999	0.54692	0.49065	0.45138	0.32652
0.28340	0.11946	0.10554	0.04306		
3605847.54	0.65887	0.65011	0.67511	0.61369	0.43421
0.33048	0.23933	0.23173	0.09078		
3605597.54	0.87872	0.82015	0.79468	0.79887	0.69801
0.40859	0.27490	0.32910	0.24936		
3605347.54	1.19282	1.25160	1.06286	0.98833	0.88233
0.67744	0.53501	0.43307	0.14415		
3605097.54	1.28572	1.51855	1.70895	1.73366	1.47119
1.26671	0.88135	0.47993	0.07952		
3604847.54	1.23240	1.58004	2.02713	2.44995	2.63413
2.42718	1.26386	0.78359	0.16486		
3604597.54	1.10058	1.45811	1.94867	2.70416	3.66892
4.20218	3.61532	0.77753	0.20572		
3604347.54	1.00989	1.25738	1.59964	2.30945	3.62031
5.68955	7.75585	6.55481	1.21810		
3604097.54	0.80725	1.07225	1.48366	2.09672	2.86834
4.65275	9.37478	19.54554	13.18424		
3603847.54	0.75523	0.85038	1.10795	1.42244	2.12943
3.38727	6.26014	13.40006	82.34937		
3603597.54	0.67056	0.79683	0.97052	1.26578	1.62724
2.39513	4.24099	7.72666	25.81047		
3603347.54	0.59025	0.71766	0.85663	1.14828	1.63667
2.14136	3.04185	5.37118	12.18292		
3603097.54	0.56254	0.69466	0.87231	1.09234	1.30647
1.63957	2.56380	4.05421	6.17959		
3602847.54	0.57200	0.69260	0.77756	0.88263	1.09042
1.47977	2.16563	3.01648	3.68678		
3602597.54	0.53055	0.55652	0.64312	0.80395	1.02120
1.36124	1.78343	2.19533	2.61754		
3602347.54	0.42738	0.48867	0.59439	0.75687	0.96792
1.16548	1.43765	1.68214	1.90896		
3602097.54	0.38729	0.45568	0.57198	0.70671	0.85628
1.00460	1.19478	1.33606	1.45595		
3601847.54	0.37425	0.44947	0.55816	0.65210	0.74811
0.87539	1.00840	1.09087	1.17677		
3601597.54	0.36779	0.44253	0.52384	0.58972	0.66829
0.77087	0.85685	0.92715	0.96529		
3601347.54	0.36259	0.42686	0.48380	0.54081	0.61330
0.68034	0.74667	0.78923	0.82712		
3601097.54	0.35706	0.40420	0.44687	0.49790	0.55926
0.60755	0.64599	0.69104	0.72261		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP10 ***
INCLUDING SOURCE(S): SP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	510118.86
510118.86	510368.86
510368.86	510618.86

3606097.54	0.03161	0.03190	0.01731	0.03004	0.01688
0.01114	0.01014	0.01023	0.00885		
3605847.54	0.07559	0.09680	0.02544	0.09312	0.02298
0.01812	0.01317	0.01224	0.01020		
3605597.54	0.21582	0.14720	0.09526	0.09639	0.07121
0.04310	0.01776	0.01207	0.01072		
3605347.54	0.09149	0.18448	0.13517	0.13580	0.15801
0.02980	0.01954	0.01425	0.01397		
3605097.54	0.05867	0.05601	0.04430	0.03129	0.03834
0.06949	0.02244	0.01875	0.01401		
3604847.54	0.07386	0.04028	0.03468	0.02979	0.02785
0.02592	0.03184	0.02811	0.02116		
3604597.54	0.11482	0.07040	0.04803	0.03877	0.02949
0.02425	0.02666	0.02841	0.03384		
3604347.54	0.34853	0.18426	0.08961	0.07976	0.04412
0.03557	0.02749	0.02520	0.02538		
3604097.54	3.63534	0.99030	0.32161	0.15217	0.09496
0.05238	0.04106	0.03749	0.03116		
3603847.54	36.24979	4.49911	1.74213	0.77980	0.26283
0.13459	0.09250	0.07922	0.05153		
3603597.54	10.33593	2.85962	1.60343	1.12232	0.74756
0.48684	0.30602	0.23637	0.13005		
3603347.54	15.53518	1.70832	0.59098	0.89009	1.64173
0.65013	0.94477	0.50297	0.22572		
3603097.54	7.85421	6.04079	0.80370	2.49007	1.90374
1.31528	1.16766	0.37788	0.21184		
3602847.54	3.96273	3.59672	3.19970	2.07177	1.55844
1.25756	1.05684	0.80500	0.17740		
3602597.54	2.67453	2.48954	2.30139	1.75121	1.40153
1.14869	0.94697	0.53470	0.13423		
3602347.54	2.02416	1.88474	1.70043	1.50814	1.28612
0.97494	0.84496	0.73811	0.52018		
3602097.54	1.52573	1.47818	1.33978	1.25260	1.13679
0.93012	0.75181	0.62129	0.57088		
3601847.54	1.21073	1.18855	1.14593	1.05611	0.96372
0.83049	0.73669	0.61708	0.52873		
3601597.54	1.00237	1.02347	0.96435	0.90433	0.80733
0.74999	0.65928	0.60038	0.48284		
3601347.54	0.84431	0.87424	0.82604	0.78512	0.68400
0.66270	0.62065	0.53345	0.42734		
3601097.54	0.73110	0.74367	0.71677	0.68117	0.61920
0.58507	0.55845	0.45890	0.44132		

Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
 *** 16:35:25 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP10 ***
 INCLUDING SOURCE(S): SP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54	0.00791	0.00700
3605847.54	0.00863	0.00759
3605597.54	0.00979	0.00857
3605347.54	0.01219	0.00958
3605097.54	0.01195	0.01151
3604847.54	0.01687	0.01754
3604597.54	0.02997	0.01713
3604347.54	0.02092	0.01851
3604097.54	0.02597	0.02257
3603847.54	0.04198	0.03771
3603597.54	0.09437	0.06571
3603347.54	0.11350	0.08989
3603097.54	0.14476	0.11022
3602847.54	0.12712	0.13279
3602597.54	0.12730	0.15476
3602347.54	0.29816	0.37539
3602097.54	0.50462	0.44723
3601847.54	0.45593	0.40639
3601597.54	0.44820	0.37299
3601347.54	0.39327	0.36958
3601097.54	0.35798	0.34864

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP10 ***
 INCLUDING SOURCE(S): SP10 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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

508226.78	3603955.63	34.60672	507708.67
3603932.32	4.79376		
506203.59	3603369.23	0.52707	507919.87
3604794.52	1.10975		
507037.89	3604916.08	2.21154	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP11 ***
 INCLUDING SOURCE(S): SP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504618.86	504618.86
505368.86	505618.86
505868.86	506118.86

3606097.54	0.31964	0.36035	0.40968	0.47484	0.51434
0.60446	0.64777	0.63977	0.57985		
3605847.54	0.31153	0.35689	0.40683	0.48981	0.57075
0.64690	0.71579	0.78231	0.73583		
3605597.54	0.29735	0.33706	0.40442	0.48487	0.56646
0.65921	0.76387	0.88082	0.97882		
3605347.54	0.33537	0.34485	0.36493	0.40767	0.51696
0.62343	0.74280	0.89775	1.05602		
3605097.54	0.33271	0.37049	0.40948	0.41644	0.45807
0.53455	0.69485	0.83759	1.02425		
3604847.54	0.31133	0.34723	0.37841	0.42423	0.51565
0.52090	0.59476	0.77170	0.92947		
3604597.54	0.28660	0.31780	0.35843	0.41850	0.50031
0.51804	0.61370	0.66431	0.83298		
3604347.54	0.26492	0.29113	0.32767	0.37501	0.43808
0.51431	0.60547	0.69585	0.72041		
3604097.54	0.23834	0.27123	0.29747	0.33461	0.38327
0.44511	0.54391	0.63158	0.67613		
3603847.54	0.21227	0.23736	0.27332	0.30174	0.34807
0.40381	0.45692	0.50572	0.59688		
3603597.54	0.19396	0.21273	0.24203	0.27042	0.29811
0.34317	0.38269	0.43119	0.50810		
3603347.54	0.18221	0.20138	0.22368	0.24618	0.27325
0.30575	0.34550	0.39425	0.47134		
3603097.54	0.17101	0.18606	0.20268	0.23166	0.24991
0.27634	0.32437	0.36943	0.45103		
3602847.54	0.15894	0.17392	0.19523	0.21434	0.23882
0.26950	0.32015	0.37200	0.45794		
3602597.54	0.15422	0.16997	0.19155	0.21329	0.24072
0.27664	0.32773	0.38000	0.44443		
3602347.54	0.15374	0.16966	0.18861	0.21177	0.24513
0.28511	0.32243	0.35169	0.37905		
3602097.54	0.15450	0.17240	0.19421	0.21688	0.24250
0.26167	0.27935	0.30295	0.33007		

Otay Hills Quarry AERMOD Output File (HRA)

3601847.54		0.15910	0.17579	0.19075	0.20480	0.21832
0.22926	0.24735	0.27421	0.31465			
3601597.54		0.15817	0.16837	0.17561	0.18311	0.19247
0.20850	0.23053	0.26294	0.30809			
3601347.54		0.14769	0.15256	0.15811	0.16659	0.18122
0.20019	0.22542	0.25979	0.30288			
3601097.54		0.13429	0.13902	0.14782	0.16171	0.17782
0.19914	0.22494	0.26128	0.30355			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP11 ***
 INCLUDING SOURCE(S): SP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD					X-COORD (METERS)	
(METERS)		506368.86	506618.86	506868.86	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54		0.57264	0.57768	0.52773	0.50374	0.37263
0.30572	0.14089	0.12199	0.04621			
3605847.54		0.70523	0.69550	0.71807	0.66977	0.50856
0.36510	0.28204	0.25689	0.10394			
3605597.54		0.92199	0.88492	0.86018	0.86423	0.82208
0.47922	0.32865	0.35911	0.26592			
3605347.54		1.20872	1.30177	1.15686	1.09044	0.99270
0.77902	0.58361	0.47237	0.17290			
3605097.54		1.25436	1.52315	1.77543	1.87027	1.62514
1.44699	1.03188	0.60136	0.08810			
3604847.54		1.17640	1.51202	1.99143	2.53438	2.91240
2.84986	1.79320	0.98148	0.19668			
3604597.54		1.06621	1.39998	1.84627	2.57639	3.72089
4.84569	4.63046	1.13513	0.25094			
3604347.54		0.95273	1.19035	1.52792	2.19332	3.39209
5.42829	8.77197	9.11390	1.92183			
3604097.54		0.76343	0.99935	1.36304	1.90201	2.58659
4.18546	8.46834	19.79983	29.27578			
3603847.54		0.69673	0.78482	1.00974	1.28400	1.86811
2.87247	5.03460	9.81189	43.39615			
3603597.54		0.63342	0.74790	0.90459	1.17226	1.50698
2.23599	3.94850	6.43718	19.44848			
3603347.54		0.56332	0.68919	0.82644	1.11615	1.57650
1.92644	2.79445	4.90627	9.64172			
3603097.54		0.55169	0.68403	0.84773	1.01624	1.19322
1.56722	2.43186	3.63188	5.22540			
3602847.54		0.56032	0.65769	0.71953	0.83244	1.05665
1.43082	2.01035	2.72006	3.24956			
3602597.54		0.49788	0.52328	0.61873	0.78461	0.99456
1.29077	1.65996	2.00527	2.35577			
3602347.54		0.40857	0.47519	0.58264	0.74081	0.93017
1.10156	1.34642	1.55364	1.74773			
3602097.54		0.37858	0.44765	0.56189	0.68590	0.81639
0.95379	1.12214	1.24513	1.35030			

3601847.54		0.36829	0.44246	0.54473	0.62679	0.71447
0.83359	0.95038	1.02403	1.10043			
3601597.54		0.36284	0.43450	0.50738	0.56603	0.64114
0.73458	0.81067	0.87477	0.90873			
3601347.54		0.35687	0.41593	0.46620	0.51993	0.58914
0.64955	0.70905	0.74796	0.78203			
3601097.54		0.34968	0.39162	0.43068	0.48044	0.53754
0.58038	0.61603	0.65687	0.68552			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP11 ***
 INCLUDING SOURCE(S): SP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD					X-COORD (METERS)	
(METERS)		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.03333	0.03385	0.01829	0.03299	0.01781
0.01154	0.01060	0.01063	0.00895			
3605847.54		0.08651	0.11196	0.02724	0.10469	0.02420
0.01922	0.01372	0.01259	0.01033			
3605597.54		0.23564	0.16889	0.11126	0.11309	0.08757
0.04500	0.01833	0.01222	0.01092			
3605347.54		0.10531	0.21266	0.15702	0.16430	0.18065
0.03073	0.01936	0.01491	0.01440			
3605097.54		0.06396	0.06207	0.04813	0.03426	0.03968
0.08748	0.02478	0.01992	0.01457			
3604847.54		0.08237	0.04505	0.03826	0.03168	0.02848
0.02812	0.03597	0.03089	0.02298			
3604597.54		0.13322	0.07976	0.05253	0.04072	0.03148
0.02667	0.02986	0.03138	0.03899			
3604347.54		0.45468	0.21351	0.10414	0.09381	0.05163
0.03851	0.02934	0.02811	0.02930			
3604097.54		6.24873	1.65367	0.52752	0.21452	0.12417
0.06388	0.04777	0.04237	0.03460			
3603847.54		154.80516	9.77593	2.97148	1.18259	0.38306
0.18110	0.11855	0.09850	0.06200			
3603597.54		10.25940	1.88025	1.31075	1.14556	0.81577
0.54226	0.34848	0.27229	0.15105			
3603347.54		12.19408	1.84268	0.48128	0.77946	1.69529
0.65124	1.03651	0.55535	0.23833			
3603097.54		6.63217	5.30941	0.87358	2.46578	1.81805
1.28819	1.15508	0.38050	0.21010			
3602847.54		3.48771	3.21712	3.02172	1.97843	1.48835
1.25362	1.00778	0.79119	0.16579			
3602597.54		2.41373	2.26978	2.11387	1.66003	1.34967
1.10801	0.92443	0.57290	0.12875			
3602347.54		1.85104	1.73986	1.58389	1.40856	1.23657
0.94546	0.81792	0.72912	0.54229			
3602097.54		1.41429	1.37754	1.25646	1.17906	1.07948
0.90244	0.76431	0.63504	0.55627			

Otay Hills Quarry AERMOD Output File (HRA)

3601847.54		1.13325	1.11637	1.07729	1.00084	0.91201
0.80208	0.71682	0.62104	0.51487			
3601597.54		0.94387	0.96449	0.91162	0.85853	0.77063
0.71662	0.64247	0.58633	0.47205			
3601347.54		0.79904	0.82711	0.78456	0.74641	0.65669
0.63380	0.59911	0.52236	0.41964			
3601097.54		0.69457	0.70754	0.68323	0.64984	0.59498
0.56229	0.53535	0.44965	0.43283			

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP11
 INCLUDING SOURCE(S): SP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)		510868.86	511118.86

3606097.54		0.00799	0.00709
3605847.54		0.00877	0.00772
3605597.54		0.01001	0.00871
3605347.54		0.01242	0.00996
3605097.54		0.01281	0.01243
3604847.54		0.01804	0.01842
3604597.54		0.03346	0.01809
3604347.54		0.02398	0.02058
3604097.54		0.02846	0.02444
3603847.54		0.04937	0.04369
3603597.54		0.10907	0.07539
3603347.54		0.12105	0.09660
3603097.54		0.14525	0.11235
3602847.54		0.11985	0.13020
3602597.54		0.11918	0.15044
3602347.54		0.32414	0.38558
3602097.54		0.49596	0.43962
3601847.54		0.44490	0.39858
3601597.54		0.43772	0.36455
3601347.54		0.38532	0.36148
3601097.54		0.35134	0.34156

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP11
 INCLUDING SOURCE(S): SP11 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

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

508226.78	3603955.63	27.32552	507708.67
3603932.32	4.04416		
506203.59	3603369.23	0.50148	507919.87
3604794.52	1.63918		
507037.89	3604916.08	2.28842	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP15
 INCLUDING SOURCE(S): SP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)		504118.86	504368.86
505368.86	505618.86	505868.86	506118.86

3606097.54		0.32958	0.37001	0.41474	0.47239	0.49552
0.56805	0.58812	0.55813	0.47978			
3605847.54		0.32567	0.37374	0.42448	0.50784	0.58028
0.63807	0.67886	0.71132	0.63189			
3605597.54		0.30146	0.34977	0.42786	0.51546	0.59873
0.68514	0.76914	0.84730	0.89327			
3605347.54		0.33517	0.34476	0.36860	0.42209	0.55130
0.66941	0.79153	0.93035	1.04057			
3605097.54		0.34419	0.37929	0.41472	0.41688	0.46193
0.55529	0.74752	0.91148	1.10009			
3604847.54		0.33344	0.37135	0.40204	0.44535	0.53538
0.52953	0.60143	0.80857	1.00932			
3604597.54		0.30352	0.33961	0.38693	0.45598	0.54550
0.56402	0.66178	0.69687	0.86597			
3604347.54		0.28168	0.31029	0.35013	0.40264	0.47423
0.56167	0.67071	0.78275	0.80838			
3604097.54		0.25962	0.29634	0.32665	0.36827	0.42321
0.49404	0.60435	0.70785	0.76765			
3603847.54		0.22991	0.25873	0.30009	0.33410	0.38876
0.45482	0.52081	0.58462	0.70121			
3603597.54		0.20364	0.22416	0.25573	0.28692	0.31779
0.36763	0.41253	0.46916	0.55864			
3603347.54		0.18715	0.20822	0.23349	0.25912	0.29071
0.32971	0.37748	0.43654	0.52619			
3603097.54		0.18301	0.20058	0.22009	0.25242	0.27150
0.29733	0.34281	0.38247	0.45969			

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54		0.16908	0.18209	0.20112	0.21677	0.23835
0.26829	0.32062	0.37285	0.45455			
3602597.54		0.15192	0.16679	0.18908	0.21287	0.24113
0.27444	0.32117	0.37815	0.47413			
3602347.54		0.15342	0.17002	0.18783	0.20768	0.23800
0.28261	0.33878	0.39648	0.43617			
3602097.54		0.15250	0.16728	0.18766	0.21418	0.25193
0.28811	0.31629	0.33514	0.34807			
3601847.54		0.15341	0.17334	0.19664	0.22167	0.24394
0.25372	0.26372	0.28219	0.31998			
3601597.54		0.16203	0.18004	0.19352	0.20216	0.20684
0.21659	0.23424	0.26642	0.31303			
3601347.54		0.16112	0.16755	0.17084	0.17484	0.18507
0.20172	0.22798	0.26323	0.30435			
3601097.54		0.14520	0.14727	0.15219	0.16304	0.17807
0.20085	0.22748	0.26180	0.30751			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP15
 INCLUDING SOURCE(S): SP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD					X-COORD (METERS)	
(METERS)		506368.86	506618.86	506868.86	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54		0.47773	0.48188	0.40463	0.34858	0.27961
0.26262	0.11637	0.10226	0.04174			
3605847.54		0.57235	0.56866	0.57829	0.48150	0.34466
0.30994	0.21160	0.20307	0.09071			
3605597.54		0.78656	0.70235	0.68418	0.65751	0.51607
0.37018	0.25545	0.26966	0.20901			
3605347.54		1.11493	1.11352	0.89441	0.82931	0.68018
0.48839	0.45422	0.34799	0.13427			
3605097.54		1.28420	1.43546	1.51127	1.42338	1.19600
0.89481	0.65050	0.40280	0.07077			
3604847.54		1.30197	1.63360	1.96315	2.16105	2.07856
1.82790	0.86313	0.66910	0.14331			
3604597.54		1.12458	1.54025	2.09126	2.75745	3.27544
3.15492	2.41212	0.72868	0.16485			
3604347.54		1.07343	1.31485	1.65951	2.48066	3.97693
5.39827	5.36172	3.13526	0.90164			
3604097.54		0.87024	1.17498	1.65533	2.35896	3.18175
5.23362	10.57071	11.86478	4.46885			
3603847.54		0.83203	0.94969	1.25812	1.64962	2.54495
4.25414	8.58127	20.62490	56.18103			
3603597.54		0.70572	0.84839	1.04929	1.39553	1.83607
2.76238	4.93315	9.63077	46.09139			
3603347.54		0.62901	0.75967	0.89153	1.17409	1.66604
2.31834	3.72288	6.28535	18.74482			
3603097.54		0.55854	0.69042	0.86554	1.14685	1.50838
1.77017	2.76131	4.91053	8.10505			

3602847.54		0.56172	0.71721	0.86688	0.96475	1.12773
1.54116	2.46007	3.55831	4.48263			
3602597.54		0.57832	0.60728	0.66863	0.81885	1.04531
1.48470	1.96690	2.52395	3.04077			
3602347.54		0.44826	0.49590	0.60051	0.76674	1.02531
1.26655	1.57893	1.88229	2.15140			
3602097.54		0.38860	0.45839	0.57506	0.73328	0.92230
1.06380	1.31089	1.46923	1.60485			
3601847.54		0.37556	0.44955	0.57085	0.69298	0.78820
0.92877	1.09324	1.18681	1.27627			
3601597.54		0.36645	0.44817	0.54902	0.62344	0.69184
0.82317	0.91627	1.00105	1.03345			
3601347.54		0.36439	0.44191	0.51073	0.55825	0.63790
0.72492	0.79013	0.84644	0.87713			
3601097.54		0.36576	0.42378	0.46458	0.50832	0.58649
0.64221	0.67883	0.73621	0.76027			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP15
 INCLUDING SOURCE(S): SP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD					X-COORD (METERS)	
(METERS)		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.02991	0.03222	0.01532	0.02924	0.01609
0.01050	0.00921	0.00973	0.00908			
3605847.54		0.07492	0.09928	0.02287	0.08837	0.02261
0.01686	0.01230	0.01248	0.01023			
3605597.54		0.18612	0.14485	0.09283	0.09400	0.06688
0.04752	0.01851	0.01205	0.01049			
3605347.54		0.08661	0.17585	0.12941	0.13088	0.15841
0.03052	0.02023	0.01364	0.01332			
3605097.54		0.05181	0.04862	0.04051	0.02784	0.03827
0.06790	0.02001	0.01790	0.01338			
3604847.54		0.06348	0.03278	0.02992	0.02699	0.02792
0.02283	0.02968	0.02625	0.01909			
3604597.54		0.09331	0.05746	0.04074	0.03703	0.02636
0.02170	0.02265	0.02534	0.03006			
3604347.54		0.27805	0.14444	0.08440	0.06569	0.03436
0.02928	0.02533	0.02249	0.02094			
3604097.54		2.05819	0.77411	0.25022	0.10572	0.06888
0.03660	0.02961	0.02908	0.02601			
3603847.54		7.42643	1.81796	1.04252	0.51425	0.15720
0.08365	0.06072	0.05457	0.03670			
3603597.54		20.93009	4.77006	1.43472	0.88998	0.57314
0.36070	0.22271	0.17477	0.09500			
3603347.54		21.62502	2.14668	0.95946	1.21815	1.90026
0.67848	0.96947	0.50528	0.20866			
3603097.54		9.90955	7.05149	0.94013	2.51328	2.05258
1.48627	1.28868	0.41843	0.21999			

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54		4.68079	4.01075	3.30020	2.01913	1.54394
1.26107		1.12493	0.88130	0.20484		
3602597.54		3.06057	2.74693	2.49791	1.71368	1.36857
1.14042		0.92367	0.55983	0.15785		
3602347.54		2.26328	2.02727	1.80441	1.59145	1.24434
0.95472		0.84031	0.72259	0.53462		
3602097.54		1.67893	1.57245	1.43610	1.31713	1.14455
0.90064		0.77254	0.63645	0.56121		
3601847.54		1.31575	1.25958	1.21408	1.09448	1.01614
0.81012		0.71566	0.62802	0.52604		
3601597.54		1.07843	1.07941	1.00045	0.94937	0.83350
0.77314		0.63527	0.58489	0.47563		
3601347.54		0.90036	0.91686	0.84822	0.82858	0.69901
0.69171		0.62087	0.51342	0.41762		
3601097.54		0.77391	0.77641	0.73578	0.70927	0.64020
0.59662		0.58022	0.44859	0.42609		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP15
 INCLUDING SOURCE(S): SP15 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00793	0.00683
3605847.54		0.00844	0.00744
3605597.54		0.00947	0.00849
3605347.54		0.01190	0.00894
3605097.54		0.01072	0.01033
3604847.54		0.01495	0.01634
3604597.54		0.02707	0.01615
3604347.54		0.01644	0.01465
3604097.54		0.02266	0.02020
3603847.54		0.03091	0.02863
3603597.54		0.06980	0.04884
3603347.54		0.09568	0.07416
3603097.54		0.14483	0.10526
3602847.54		0.14208	0.14226
3602597.54		0.14787	0.17385
3602347.54		0.31429	0.42219
3602097.54		0.49080	0.44050
3601847.54		0.44998	0.39695
3601597.54		0.44586	0.36898
3601347.54		0.38799	0.36759
3601097.54		0.35059	0.34419

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP15
 INCLUDING SOURCE(S): SP15 ,
 *** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	25.61017	507708.67
3603932.32	5.97603		
506203.59	3603369.23	0.56160	507919.87
3604794.52	0.81057		
507037.89	3604916.08	1.95913	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP16
 INCLUDING SOURCE(S): SP16 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86

3606097.54		0.32370	0.36347	0.40764	0.46240	0.48870
0.55436		0.57514	0.55091	0.48426		
3605847.54		0.31787	0.36390	0.41293	0.49060	0.56011
0.61736		0.65971	0.69294	0.63002		
3605597.54		0.29466	0.34033	0.41199	0.49378	0.57281
0.65620		0.73889	0.81751	0.86577		
3605347.54		0.32429	0.33469	0.35930	0.41072	0.52700
0.63758		0.75318	0.88702	0.99722		
3605097.54		0.33258	0.36612	0.40002	0.40546	0.44918
0.53515		0.70805	0.86162	1.03978		
3604847.54		0.32102	0.35729	0.38740	0.42945	0.51371
0.51477		0.58355	0.76455	0.94859		
3604597.54		0.29202	0.32616	0.37069	0.43576	0.52162
0.54006		0.63214	0.67723	0.82926		
3604347.54		0.27175	0.29876	0.33630	0.38560	0.45221
0.53456		0.63604	0.73846	0.77680		
3604097.54		0.25038	0.28489	0.31343	0.35290	0.40465
0.47046		0.57609	0.67067	0.72549		

Otay Hills Quarry AERMOD Output File (HRA)

3603847.54	0.22172	0.24866	0.28759	0.31946	0.37076
0.43343 0.49436	0.55201	0.65868			
3603597.54	0.19661	0.21605	0.24563	0.27501	0.30401
0.35062 0.39280	0.44551	0.52787			
3603347.54	0.18126	0.20119	0.22513	0.24937	0.27932
0.31593 0.36061	0.41566	0.49866			
3603097.54	0.17731	0.19405	0.21262	0.24290	0.26096
0.28536 0.32761	0.36448	0.43632			
3602847.54	0.16383	0.17618	0.19409	0.20893	0.22932
0.25758 0.30640	0.35539	0.43186			
3602597.54	0.14727	0.16141	0.18249	0.20511	0.23190
0.26347 0.30726	0.36023	0.45053			
3602347.54	0.14869	0.16461	0.18165	0.20050	0.22906
0.27080 0.32381	0.37960	0.41997			
3602097.54	0.14797	0.16202	0.18134	0.20644	0.24226
0.27736 0.30539	0.32442	0.33552			
3601847.54	0.14867	0.16763	0.19009	0.21442	0.23642
0.24644 0.25587	0.27232	0.30712			
3601597.54	0.15693	0.17464	0.18813	0.19681	0.20147
0.21026 0.22638	0.25640	0.30043			
3601347.54	0.15692	0.16349	0.16682	0.17039	0.17993
0.19521 0.21977	0.25347	0.29235			
3601097.54	0.14209	0.14395	0.14852	0.15874	0.17272
0.19439 0.21964	0.25227	0.29485			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP16 ***
INCLUDING SOURCE(S): SP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF TAC				IN MICROGRAMS/M**3	
**					
Y-COORD				X-COORD (METERS)	
(METERS)					
507618.86	507868.86	508118.86	508368.86	507118.86	507368.86
-	-	-	-	-	-

3606097.54	0.47675	0.48081	0.41018	0.36414	0.28750
0.27214 0.14315	0.12795	0.04656			
3605847.54	0.57883	0.56829	0.57705	0.48982	0.37655
0.32478 0.25461	0.21627	0.10618			
3605597.54	0.78182	0.71112	0.68634	0.66313	0.57564
0.39611 0.31908	0.27969	0.20877			
3605347.54	1.07542	1.08477	0.90532	0.84079	0.71232
0.50348 0.44844	0.35726	0.16673			
3605097.54	1.22005	1.37471	1.46400	1.39469	1.18766
0.92554 0.65471	0.50072	0.07703			
3604847.54	1.21831	1.53194	1.85975	2.08435	2.05987
1.90605 1.07572	0.81306	0.18591			
3604597.54	1.05697	1.42619	1.92889	2.56678	3.13577
3.22781 2.66819	0.99644	0.19628			
3604347.54	1.01437	1.24196	1.55737	2.25693	3.59132
5.02232 5.29620	3.54211	1.38476			
3604097.54	0.83163	1.10125	1.52359	2.14870	2.89501
4.58811 9.21602	11.56457	4.98056			

3603847.54	0.77922	0.89872	1.17564	1.54009	2.29994
3.71431 7.12394	16.38729	59.09187			
3603597.54	0.66343	0.79226	0.97246	1.27940	1.66781
2.45470 4.21071	7.95441	30.96314			
3603347.54	0.59364	0.71347	0.83014	1.08303	1.52302
2.07868 3.31821	5.35334	15.44598			
3603097.54	0.52832	0.64965	0.80749	1.05821	1.39436
1.62825 2.45286	4.41778	7.28284			
3602847.54	0.53217	0.67658	0.81630	0.91189	1.04689
1.41136 2.25372	3.25124	4.19157			
3602597.54	0.55213	0.58046	0.63623	0.76879	0.96949
1.37524 1.83304	2.37863	2.87343			
3602347.54	0.43104	0.47312	0.56764	0.71847	0.95606
1.19963 1.48237	1.79450	2.05734			
3602097.54	0.37173	0.43591	0.54373	0.68974	0.87505
1.01007 1.24672	1.40693	1.54832			
3601847.54	0.35879	0.42791	0.54020	0.65902	0.75601
0.88192 1.04906	1.14029	1.23400			
3601597.54	0.35056	0.42623	0.52302	0.59961	0.66228
0.78664 0.88368	0.96337	1.00316			
3601347.54	0.34827	0.42235	0.49084	0.53807	0.60872
0.69778 0.76280	0.81776	0.85087			
3601097.54	0.35078	0.40745	0.44939	0.48800	0.56189
0.62091 0.65641	0.71281	0.73709			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP16 ***
INCLUDING SOURCE(S): SP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF TAC				IN MICROGRAMS/M**3	
**					
Y-COORD				X-COORD (METERS)	
(METERS)					
509868.86	510118.86	510368.86	510618.86	509368.86	509618.86
-	-	-	-	-	-

3606097.54	0.03159	0.03472	0.01648	0.03333	0.01653
0.01087 0.00933	0.00976	0.00923			
3605847.54	0.09704	0.11648	0.02476	0.09777	0.02393
0.01739 0.01259	0.01291	0.01043			
3605597.54	0.19712	0.16500	0.11188	0.10815	0.08265
0.05943 0.01900	0.01232	0.01067			
3605347.54	0.11429	0.20544	0.15081	0.15312	0.18025
0.03317 0.02146	0.01407	0.01353			
3605097.54	0.05482	0.05465	0.04278	0.02848	0.04217
0.08530 0.02192	0.01860	0.01379			
3604847.54	0.06751	0.03341	0.03186	0.02783	0.02955
0.02386 0.03323	0.02856	0.02051			
3604597.54	0.10174	0.06100	0.04187	0.03987	0.02740
0.02253 0.02357	0.02689	0.03333			
3604347.54	0.36691	0.15831	0.09444	0.07313	0.03629
0.03030 0.02601	0.02339	0.02169			
3604097.54	2.30644	1.24847	0.34509	0.12100	0.07491
0.03821 0.03070	0.03029	0.02689			

Otay Hills Quarry AERMOD Output File (HRA)

3603847.54		11.82874	3.06079	1.62585	0.72691	0.17932
0.09004	0.06445	0.05806	0.03833			
3603597.54		32.39663	5.88051	1.71124	1.05970	0.68173
0.42236	0.25208	0.19702	0.10273			
3603347.54		21.02669	2.86249	0.98160	1.37020	2.36683
0.79525	1.19843	0.62058	0.22831			
3603097.54		9.58287	7.00561	1.22295	2.72036	2.05005
1.65009	1.38309	0.48173	0.23469			
3602847.54		4.55001	3.94111	3.60658	2.01275	1.53460
1.30705	1.11760	0.95873	0.21459			
3602597.54		2.98149	2.68850	2.42027	1.73157	1.35667
1.13611	0.93090	0.65589	0.16431			
3602347.54		2.18948	1.99174	1.78485	1.57503	1.23720
0.94704	0.83299	0.73872	0.58599			
3602097.54		1.63292	1.55068	1.41624	1.28482	1.14392
0.89342	0.81759	0.68643	0.55817			
3601847.54		1.28213	1.24213	1.18146	1.08101	0.99410
0.81273	0.70904	0.65155	0.52049			
3601597.54		1.04954	1.05669	0.97736	0.93626	0.81710
0.76754	0.63397	0.58047	0.47082			
3601347.54		0.87690	0.89660	0.83370	0.80955	0.69421
0.67592	0.61969	0.51030	0.41676			
3601097.54		0.75273	0.76022	0.72464	0.69041	0.63512
0.58595	0.57123	0.45356	0.42251			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP16
 INCLUDING SOURCE(S): SP16 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00804	0.00695
3605847.54		0.00861	0.00750
3605597.54		0.00960	0.00868
3605347.54		0.01222	0.00913
3605097.54		0.01116	0.01046
3604847.54		0.01525	0.01681
3604597.54		0.02966	0.01663
3604347.54		0.01694	0.01497
3604097.54		0.02335	0.02075
3603847.54		0.03222	0.02980
3603597.54		0.07459	0.05156
3603347.54		0.10144	0.07811
3603097.54		0.15204	0.11013
3602847.54		0.14641	0.14795
3602597.54		0.15329	0.18547
3602347.54		0.36996	0.46385
3602097.54		0.49081	0.44014
3601847.54		0.44633	0.39440
3601597.54		0.44162	0.36600

3601347.54		0.38462	0.36364
3601097.54		0.34956	0.34069

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP16
 INCLUDING SOURCE(S): SP16 ,
 *** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	23.98953	507708.67
3603932.32	5.16702		
506203.59	3603369.23	0.53136	507919.87
3604794.52	1.03365		
507037.89	3604916.08	1.89160	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP17
 INCLUDING SOURCE(S): SP17 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504618.86	504868.86
505118.86	505618.86
505368.86	505868.86
506118.86	

3606097.54		0.32168	0.36070	0.40365	0.45578	0.48199
0.54176	0.56089	0.53859	0.47790			
3605847.54		0.31534	0.36012	0.40820	0.48205	0.54841
0.60314	0.64326	0.67393	0.61829			
3605597.54		0.29272	0.33744	0.40591	0.48431	0.56062
0.64070	0.71967	0.79363	0.83855			
3605347.54		0.31823	0.33003	0.35628	0.40769	0.51750
0.62348	0.73462	0.86174	0.96586			
3605097.54		0.32629	0.35873	0.39159	0.39971	0.44453
0.52853	0.69206	0.83932	1.00933			
3604847.54		0.31597	0.35113	0.38078	0.42172	0.50165
0.50686	0.57582	0.74729	0.92511			

Otay Hills Quarry AERMOD Output File (HRA)

3604597.54		0.28796	0.32152	0.36513	0.42820	0.51161
0.53016	0.61838	0.66697	0.81153			
3604347.54		0.26754	0.29430	0.33100	0.37889	0.44411
0.52420	0.62357	0.72214	0.76768			
3604097.54		0.24727	0.28081	0.30881	0.34744	0.39733
0.46139	0.56388	0.65558	0.71195			
3603847.54		0.21954	0.24606	0.28395	0.31547	0.36570
0.42704	0.48622	0.54302	0.64699			
3603597.54		0.19456	0.21370	0.24250	0.27140	0.29986
0.34530	0.38662	0.43834	0.51834			
3603347.54		0.17846	0.19798	0.22110	0.24473	0.27398
0.30952	0.35325	0.40693	0.48760			
3603097.54		0.17465	0.19122	0.20970	0.23933	0.25779
0.28243	0.32353	0.35906	0.42656			
3602847.54		0.16259	0.17495	0.19221	0.20652	0.22580
0.25223	0.29830	0.34596	0.41978			
3602597.54		0.14538	0.15881	0.17868	0.20060	0.22687
0.25782	0.29993	0.34930	0.43516			
3602347.54		0.14573	0.16153	0.17856	0.19700	0.22411
0.26315	0.31410	0.37113	0.41617			
3602097.54		0.14581	0.15941	0.17753	0.20146	0.23592
0.27179	0.30234	0.32310	0.33240			
3601847.54		0.14565	0.16377	0.18575	0.21061	0.23406
0.24545	0.25462	0.26890	0.30086			
3601597.54		0.15368	0.17166	0.18619	0.19603	0.20100
0.20877	0.22316	0.25117	0.29368			
3601347.54		0.15522	0.16264	0.16640	0.16965	0.17821
0.19237	0.21553	0.24840	0.28597			
3601097.54		0.14166	0.14350	0.14761	0.15691	0.16992
0.19072	0.21569	0.24731	0.28769			

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: SP17
 INCLUDING SOURCE(S): SP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507118.86
507868.86	507368.86
508118.86	
508368.86	

3606097.54		0.46914	0.47064	0.40207	0.35972	0.28384
0.26903	0.15977	0.14081	0.04887			
3605847.54		0.57059	0.55842	0.56210	0.47726	0.38012
0.32330	0.27006	0.21779	0.11513			
3605597.54		0.76482	0.69963	0.67390	0.64623	0.57287
0.40013	0.34277	0.27742	0.20485			
3605347.54		1.03860	1.04649	0.88770	0.82604	0.70192
0.49427	0.43452	0.35125	0.18754			
3605097.54		1.17948	1.32311	1.40287	1.33505	1.14777
0.89687	0.63428	0.53099	0.07952			
3604847.54		1.18176	1.47701	1.77929	1.98214	1.95717
1.83466	1.12588	0.83166	0.21813			

3604597.54		1.02921	1.38180	1.85575	2.44290	2.95461
3.06022	2.57081	1.11063	0.21314			
3604347.54		0.98958	1.20782	1.51538	2.17651	3.40471
4.66831	4.86795	3.32683	1.57413			
3604097.54		0.82297	1.08185	1.48218	2.06711	2.77624
4.36676	8.43526	10.26163	4.56721			
3603847.54		0.76510	0.88977	1.15768	1.51867	2.23998
3.57783	6.72553	15.21357	47.71273			
3603597.54		0.64879	0.77297	0.94731	1.24015	1.61859
2.36845	3.99793	7.51240	29.47787			
3603347.54		0.58057	0.69817	0.81089	1.04660	1.45074
1.96280	3.22371	5.01989	14.80775			
3603097.54		0.51281	0.62724	0.77619	1.00716	1.35362
1.60194	2.31825	4.29786	7.22244			
3602847.54		0.51459	0.64969	0.79378	0.90378	1.01596
1.35140	2.17423	3.17330	4.19048			
3602597.54		0.53908	0.57559	0.62823	0.74500	0.93220
1.32555	1.79900	2.35732	2.86463			
3602347.54		0.42841	0.46453	0.55108	0.69415	0.92168
1.17990	1.45347	1.78708	2.05576			
3602097.54		0.36438	0.42437	0.52762	0.66757	0.85653
0.99564	1.22950	1.40036	1.54923			
3601847.54		0.35027	0.41660	0.52351	0.64412	0.74744
0.86616	1.03996	1.13412	1.23339			
3601597.54		0.34207	0.41454	0.51064	0.59123	0.65309
0.77452	0.87784	0.95597	1.00234			
3601347.54		0.33940	0.41234	0.48293	0.53212	0.59802
0.68984	0.75707	0.81176	0.84818			
3601097.54		0.34263	0.40038	0.44466	0.48104	0.55235
0.61556	0.65170	0.70751	0.73368			

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION
 3 YEARS FOR SOURCE GROUP: SP17
 INCLUDING SOURCE(S): SP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509368.86
510118.86	509618.86
510368.86	
510618.86	

3606097.54		0.03246	0.03574	0.01701	0.03609	0.01692
0.01109	0.00935	0.00968	0.00926			
3605847.54		0.11161	0.12253	0.02589	0.10112	0.02450
0.01731	0.01258	0.01293	0.01057			
3605597.54		0.19691	0.16926	0.12156	0.11307	0.09309
0.06794	0.01916	0.01259	0.01077			
3605347.54		0.13519	0.21231	0.15955	0.15884	0.18384
0.03543	0.02218	0.01436	0.01348			
3605097.54		0.05585	0.05896	0.04338	0.02867	0.04615
0.09634	0.02360	0.01900	0.01420			
3604847.54		0.06838	0.03346	0.03282	0.02780	0.03054
0.02426	0.03531	0.03025	0.02113			

Otay Hills Quarry AERMOD Output File (HRA)

3604597.54		0.10313	0.06043	0.04214	0.04123	0.02764
0.02332	0.02386	0.02733	0.03528			
3604347.54		0.41793	0.16187	0.10010	0.07415	0.03661
0.02961	0.02598	0.02396	0.02207			
3604097.54		2.16020	1.53830	0.42470	0.13255	0.07527
0.03824	0.02985	0.02933	0.02627			
3603847.54		10.29467	3.31629	1.90355	0.85900	0.18418
0.08949	0.06381	0.05789	0.03790			
3603597.54		55.44503	6.72202	1.76404	1.08797	0.70061
0.43238	0.25482	0.20130	0.10231			
3603347.54		21.84177	3.64649	1.10779	1.54634	2.64534
0.87978	1.32523	0.70273	0.23669			
3603097.54		9.70344	7.11859	1.49970	2.82399	2.08986
1.74491	1.44291	0.52903	0.24259			
3602847.54		4.65009	4.01367	3.74768	2.03005	1.53655
1.33395	1.13088	1.00015	0.22439			
3602597.54		3.02561	2.72966	2.42909	1.75440	1.35854
1.13453	0.93319	0.71251	0.17431			
3602347.54		2.20032	2.01746	1.80231	1.58347	1.23910
0.94818	0.83069	0.74466	0.60901			
3602097.54		1.64020	1.56688	1.42699	1.28695	1.14664
0.89329	0.83965	0.70782	0.55610			
3601847.54		1.28580	1.25201	1.18307	1.08448	0.99333
0.81552	0.70724	0.66462	0.51867			
3601597.54		1.04998	1.05858	0.97901	0.93777	0.81755
0.76848	0.63429	0.57881	0.46967			
3601347.54		0.87536	0.89611	0.83533	0.80813	0.69739
0.67465	0.61967	0.50975	0.41772			
3601097.54		0.75012	0.76003	0.72572	0.68807	0.63679
0.58525	0.56999	0.45650	0.42165			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
 *** 16:35:25 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP17
 INCLUDING SOURCE(S): SP17 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00811	0.00706
3605847.54		0.00875	0.00750
3605597.54		0.00959	0.00870
3605347.54		0.01252	0.00927
3605097.54		0.01128	0.01056
3604847.54		0.01513	0.01685
3604597.54		0.03073	0.01695
3604347.54		0.01703	0.01470
3604097.54		0.02306	0.02068
3603847.54		0.03194	0.02946
3603597.54		0.07402	0.05086
3603347.54		0.10129	0.07803
3603097.54		0.15454	0.11118

3602847.54		0.15057	0.15202
3602597.54		0.16135	0.19623
3602347.54		0.41244	0.49243
3602097.54		0.48996	0.44174
3601847.54		0.44466	0.39275
3601597.54		0.44011	0.36492
3601347.54		0.38396	0.36226
3601097.54		0.35011	0.33949

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP17
 INCLUDING SOURCE(S): SP17 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	20.61405	507708.67
3603932.32	4.89815		
506203.59	3603369.23	0.51900	507919.87
3604794.52	1.10116		
507037.89	3604916.08	1.80294	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP18
 INCLUDING SOURCE(S): SP18 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504618.86	504868.86
505368.86	505618.86
505868.86	506118.86

3606097.54		0.32208	0.36067	0.40229	0.45250	0.47677
0.53322	0.55019	0.52699	0.46718			
3605847.54		0.31624	0.36057	0.40833	0.48037	0.54436
0.59630	0.63283	0.66040	0.60423			
3605597.54		0.29389	0.33883	0.40676	0.48416	0.55937
0.63703	0.71189	0.78029	0.82030			

Otay Hills Quarry AERMOD Output File (HRA)

3605347.54		0.31682	0.32974	0.35760	0.40980	0.51856
0.62320	0.73203	0.85387	0.95027			
3605097.54		0.32492	0.35672	0.38928	0.39880	0.44554
0.53113	0.69345	0.83861	1.00354			
3604847.54		0.31653	0.35110	0.38006	0.42019	0.49839
0.50478	0.57585	0.74919	0.92773			
3604597.54		0.28930	0.32339	0.36718	0.42990	0.51244
0.53034	0.61638	0.66417	0.80836			
3604347.54		0.26798	0.29487	0.33188	0.38045	0.44632
0.52775	0.62743	0.72615	0.77137			
3604097.54		0.24840	0.28188	0.31016	0.34869	0.39896
0.46311	0.56645	0.65868	0.71701			
3603847.54		0.22158	0.24845	0.28677	0.31855	0.36926
0.43158	0.49158	0.54941	0.65453			
3603597.54		0.19617	0.21559	0.24473	0.27384	0.30273
0.34869	0.39055	0.44355	0.52439			
3603347.54		0.17851	0.19789	0.22099	0.24448	0.27354
0.30907	0.35289	0.40714	0.48867			
3603097.54		0.17444	0.19125	0.20990	0.24018	0.25941
0.28484	0.32696	0.36260	0.42891			
3602847.54		0.16407	0.17665	0.19418	0.20826	0.22689
0.25208	0.29673	0.34334	0.41752			
3602597.54		0.14601	0.15871	0.17772	0.19900	0.22536
0.25667	0.29851	0.34586	0.42877			
3602347.54		0.14467	0.16056	0.17803	0.19659	0.22299
0.26045	0.31011	0.36905	0.42062			
3602097.54		0.14565	0.15903	0.17640	0.19925	0.23316
0.27026	0.30446	0.32848	0.33631			
3601847.54		0.14463	0.16209	0.18375	0.20947	0.23491
0.24862	0.25796	0.27070	0.30034			
3601597.54		0.15209	0.17073	0.18666	0.19808	0.20357
0.21069	0.22382	0.25045	0.29236			
3601347.54		0.15544	0.16394	0.16837	0.17150	0.17912
0.19239	0.21481	0.24722	0.28475			
3601097.54		0.14314	0.14510	0.14870	0.15747	0.16968
0.18977	0.21487	0.24635	0.28593			

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*** AERMOD - VERSION 18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***         05/16/19
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***                               16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP18

INCLUDING SOURCE(S): SP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD					X-COORD (METERS)	
(METERS)		506368.86	506618.86	506868.86	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54		0.45988	0.45868	0.38946	0.34771	0.27753
0.26403	0.16053	0.14120	0.04898			
3605847.54		0.55643	0.54602	0.54496	0.45943	0.36865
0.31721	0.26630	0.21416	0.11555			
3605597.54		0.74554	0.68005	0.65683	0.62281	0.54927
0.39170	0.33904	0.27045	0.20012			

3605347.54		1.01471	1.01511	0.85916	0.80135	0.67212
0.47366	0.42207	0.34045	0.18818			
3605097.54		1.16290	1.29165	1.35550	1.28046	1.10303
0.84839	0.60911	0.51717	0.07855			
3604847.54		1.18032	1.46207	1.73669	1.90610	1.85973
1.73661	1.06541	0.80255	0.22085			
3604597.54		1.03080	1.38633	1.84945	2.39201	2.82790
2.87174	2.37939	1.08763	0.21092			
3604347.54		0.98790	1.20099	1.51444	2.18818	3.37336
4.45413	4.46900	2.95834	1.49560			
3604097.54		0.83273	1.09521	1.49596	2.06801	2.76262
4.39461	8.14639	9.02103	4.00240			
3603847.54		0.77477	0.90302	1.17504	1.54469	2.28240
3.66428	6.85889	15.35907	35.54688			
3603597.54		0.65616	0.78201	0.95970	1.25723	1.64591
2.41627	4.09817	7.77753	31.78825			
3603347.54		0.58397	0.70484	0.82112	1.05506	1.44580
1.93634	3.24852	5.06147	15.60196			
3603097.54		0.51149	0.62312	0.76963	0.99064	1.35174
1.65260	2.29767	4.36915	7.59165			
3602847.54		0.51030	0.63984	0.79039	0.92516	1.02422
1.33988	2.17171	3.23194	4.35474			
3602597.54		0.53645	0.58483	0.63920	0.74405	0.92469
1.31661	1.82508	2.40809	2.95012			
3602347.54		0.43640	0.46802	0.54882	0.68901	0.91372
1.18984	1.46772	1.82573	2.10756			
3602097.54		0.36483	0.42233	0.52431	0.66187	0.85828
1.00615	1.24237	1.42624	1.58331			
3601847.54		0.34829	0.41442	0.51944	0.64279	0.75431
0.87100	1.05299	1.15144	1.25686			
3601597.54		0.34057	0.41133	0.50850	0.59469	0.65795
0.77877	0.88890	0.96883	1.01852			
3601347.54		0.33686	0.41036	0.48382	0.53647	0.59989
0.69524	0.76578	0.82131	0.86028			
3601097.54		0.34076	0.40008	0.44724	0.48325	0.55408
0.62068	0.65828	0.71488	0.74254			

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*** AERMOD - VERSION 18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***         05/16/19
*** AERMET - VERSION 18081 ***   ***
***                               16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP18

INCLUDING SOURCE(S): SP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD					X-COORD (METERS)	
(METERS)		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.03236	0.03555	0.01707	0.03627	0.01677
0.01118	0.00926	0.00951	0.00920			
3605847.54		0.11374	0.12116	0.02597	0.10058	0.02434
0.01699	0.01255	0.01276	0.01059			
3605597.54		0.19346	0.16641	0.12177	0.11173	0.09453
0.06888	0.01890	0.01260	0.01080			

3605347.54		0.13916	0.20910	0.15883	0.15538	0.17722
0.03628	0.02238	0.01447	0.01324			
3605097.54		0.05508	0.05960	0.04250	0.02838	0.04792
0.09905	0.02427	0.01855	0.01427			
3604847.54		0.06706	0.03271	0.03235	0.02711	0.03074
0.02482	0.03611	0.02989	0.02107			
3604597.54		0.10019	0.05798	0.04042	0.04129	0.02745
0.02328	0.02371	0.02679	0.03564			
3604347.54		0.41569	0.15666	0.10065	0.07078	0.03617
0.02816	0.02512	0.02409	0.02215			
3604097.54		1.95890	1.57099	0.43825	0.13198	0.07166
0.03779	0.02850	0.02760	0.02487			
3603847.54		7.81194	2.84273	1.76296	0.82712	0.17380
0.08552	0.06125	0.05542	0.03653			
3603597.54		77.26803	6.67947	1.58635	0.98273	0.64330
0.40419	0.23916	0.19244	0.09646			
3603347.54		24.30275	4.00390	1.28481	1.65931	2.72454
0.89204	1.34164	0.71660	0.23288			
3603097.54		10.31816	7.46499	1.59886	2.89195	2.17431
1.80365	1.48042	0.53780	0.24311			
3602847.54		4.87880	4.16721	3.83987	2.06019	1.55089
1.36364	1.16254	1.02253	0.23013			
3602597.54		3.13756	2.82185	2.49371	1.77563	1.37220
1.14242	0.93924	0.73441	0.18237			
3602347.54		2.26198	2.07295	1.84011	1.61133	1.24920
0.95604	0.83570	0.74845	0.61637			
3602097.54		1.67888	1.60328	1.45695	1.31022	1.15492
0.89959	0.85034	0.71591	0.55731			
3601847.54		1.31159	1.27734	1.20487	1.09904	1.00805
0.81909	0.71102	0.67107	0.52108			
3601597.54		1.06773	1.07630	0.99451	0.94982	0.82853
0.77515	0.63670	0.58157	0.47188			
3601347.54		0.88839	0.90924	0.84673	0.81882	0.70480
0.68313	0.62210	0.51172	0.41988			
3601097.54		0.75975	0.77002	0.73465	0.69674	0.64288
0.59128	0.57516	0.45812	0.42322			

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PAGE 234
*** MODELOPTS:      RegDEFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP18            ***
                                           INCLUDING SOURCE(S):      SP18      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

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

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3606097.54	0.00811	0.00706
3605847.54	0.00876	0.00746
3605597.54	0.00956	0.00866
3605347.54	0.01251	0.00934
3605097.54	0.01126	0.01033
3604847.54	0.01485	0.01662
3604597.54	0.03003	0.01704

Y-COORD (METERS)		504118.86	504368.86	504618.86	X-COORD (METERS)
505368.86		505618.86	505868.86	506118.86	504868.86 505118.86

Otay Hills Quarry AERMOD Output File (HRA)

3606097.54		0.33886	0.37812	0.42099	0.47145	0.50401
0.56517	0.59240	0.58004	0.53714			
3605847.54		0.32965	0.37357	0.42210	0.49209	0.55982
0.61883	0.66771	0.71009	0.67240			
3605597.54		0.31507	0.35549	0.41736	0.49398	0.57019
0.65098	0.73453	0.81961	0.88158			
3605347.54		0.33687	0.35256	0.38352	0.43304	0.52998
0.63339	0.74362	0.87480	0.99051			
3605097.54		0.33575	0.37216	0.41028	0.42739	0.47845
0.55674	0.70746	0.84884	1.01665			
3604847.54		0.32121	0.35666	0.38766	0.43201	0.51870
0.53735	0.61730	0.77813	0.94262			
3604597.54		0.29813	0.33097	0.37322	0.43566	0.52260
0.53649	0.62789	0.69765	0.85023			
3604347.54		0.27524	0.30292	0.34089	0.39044	0.45767
0.53966	0.63796	0.72801	0.77986			
3604097.54		0.25115	0.28516	0.31328	0.35208	0.40290
0.46820	0.57875	0.66990	0.72013			
3603847.54		0.22692	0.25365	0.29258	0.32358	0.37513
0.43846	0.49535	0.54703	0.64772			
3603597.54		0.20540	0.22545	0.25570	0.28587	0.31500
0.36252	0.40403	0.45637	0.53734			
3603347.54		0.18862	0.20811	0.23142	0.25450	0.28295
0.31726	0.35923	0.41104	0.49174			
3603097.54		0.17727	0.19308	0.21112	0.24141	0.26058
0.28807	0.33513	0.37779	0.45683			
3602847.54		0.16641	0.18138	0.20251	0.22080	0.24388
0.27303	0.32133	0.36911	0.45008			
3602597.54		0.15858	0.17347	0.19409	0.21526	0.24131
0.27454	0.32237	0.37334	0.44958			
3602347.54		0.15576	0.17124	0.18938	0.21100	0.24161
0.28095	0.32346	0.36580	0.40679			
3602097.54		0.15554	0.17180	0.19184	0.21417	0.24206
0.26827	0.29450	0.32385	0.34527			
3601847.54		0.15751	0.17384	0.19051	0.20853	0.22824
0.24305	0.26124	0.28311	0.31823			
3601597.54		0.15762	0.17066	0.18198	0.19309	0.20364
0.21782	0.23618	0.26541	0.30802			
3601347.54		0.15226	0.15993	0.16711	0.17526	0.18806
0.20437	0.22733	0.26002	0.30052			
3601097.54		0.14157	0.14704	0.15469	0.16706	0.18105
0.20126	0.22580	0.26079	0.30068			

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP2
 INCLUDING SOURCE(S): SP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507368.86
507868.86	508368.86
508118.86	
508368.86	

3606097.54		0.52212	0.50866	0.45150	0.44131	0.34378
0.28277	0.13657	0.11400	0.04352			
3605847.54		0.64462	0.62311	0.61246	0.55184	0.44702
0.33817	0.25985	0.23468	0.10313			
3605597.54		0.82931	0.79328	0.75665	0.71716	0.68543
0.43172	0.30309	0.31790	0.24141			
3605347.54		1.08612	1.12184	1.00882	0.93979	0.81526
0.61384	0.48240	0.39003	0.16765			
3605097.54		1.19684	1.37275	1.50378	1.49783	1.28763
1.06945	0.78986	0.51769	0.07763			
3604847.54		1.18653	1.48056	1.82571	2.12590	2.25140
2.16544	1.29305	0.81915	0.17194			
3604597.54		1.07025	1.40362	1.84679	2.45451	3.14857
3.63041	3.18853	0.94032	0.19513			
3604347.54		0.99331	1.23006	1.56621	2.18944	3.34385
4.80960	5.77342	4.53349	1.43414			
3604097.54		0.84101	1.08183	1.45500	2.01592	2.74279
4.28475	8.08689	12.40702	6.98202			
3603847.54		0.76067	0.88672	1.13940	1.48694	2.14163
3.32646	5.96953	12.84897	50.90080			
3603597.54		0.67233	0.79204	0.96041	1.24218	1.59452
2.28941	3.80949	7.00112	22.12154			
3603347.54		0.58662	0.71146	0.83268	1.09632	1.53662
1.99825	2.93999	5.03671	11.96080			
3603097.54		0.55281	0.67386	0.82746	1.03495	1.28404
1.58749	2.38046	4.01127	6.23736			
3602847.54		0.55389	0.67526	0.76945	0.88613	1.05193
1.40268	2.09541	3.00245	3.80017			
3602597.54		0.53163	0.56092	0.64614	0.78437	0.96944
1.30867	1.75913	2.22558	2.65945			
3602347.54		0.43343	0.48723	0.57948	0.72460	0.92452
1.15144	1.43875	1.71240	1.94970			
3602097.54		0.38440	0.44503	0.55196	0.67851	0.83632
1.00268	1.19865	1.36026	1.49600			
3601847.54		0.36718	0.43633	0.53733	0.63421	0.74412
0.87488	1.01145	1.10998	1.20412			
3601597.54		0.35906	0.42809	0.50777	0.58233	0.66780
0.76926	0.86057	0.93648	0.98897			
3601347.54		0.35244	0.41416	0.47471	0.53813	0.61012
0.67881	0.74816	0.79630	0.84116			
3601097.54		0.34740	0.39561	0.44363	0.49666	0.55502
0.60546	0.64853	0.69442	0.73050			

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP2
 INCLUDING SOURCE(S): SP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509618.86
510118.86	510368.86
510368.86	
510618.86	

Otay Hills Quarry AERMOD Output File (HRA)

3606097.54		0.03144	0.03160	0.01900	0.03135	0.01707
0.01147	0.01015	0.00990	0.00852			
3605847.54		0.08443	0.10701	0.02707	0.10094	0.02301
0.01799	0.01301	0.01200	0.01000			
3605597.54		0.22019	0.15773	0.11032	0.10617	0.07927
0.04701	0.01745	0.01185	0.01057			
3605347.54		0.10205	0.20025	0.15100	0.14997	0.16816
0.03024	0.01981	0.01431	0.01380			
3605097.54		0.05707	0.05838	0.04349	0.03117	0.03943
0.08013	0.02283	0.01869	0.01450			
3604847.54		0.07179	0.04081	0.03525	0.02896	0.02845
0.02569	0.03209	0.02848	0.02135			
3604597.54		0.10879	0.06849	0.04573	0.03924	0.02870
0.02421	0.02631	0.02781	0.03374			
3604347.54		0.34033	0.16937	0.09299	0.07611	0.04227
0.03378	0.02751	0.02616	0.02581			
3604097.54		2.77823	1.22611	0.32462	0.13636	0.08858
0.04928	0.03886	0.03608	0.03043			
3603847.54		13.45376	3.85476	1.71659	0.73582	0.22962
0.12213	0.08664	0.07551	0.05042			
3603597.54		18.33165	4.48168	1.71056	1.09094	0.71133
0.45627	0.28362	0.22053	0.12250			
3603347.54		16.64255	2.19062	0.83290	1.10027	2.03400
0.68770	1.08412	0.54715	0.22011			
3603097.54		8.34190	6.36919	0.98538	2.75515	2.04242
1.53650	1.30747	0.40590	0.21150			
3602847.54		4.17665	3.64979	3.52933	2.02486	1.52324
1.37770	1.12359	0.91138	0.18978			
3602597.54		2.81043	2.57484	2.29393	1.73605	1.36961
1.13995	0.96852	0.62545	0.15150			
3602347.54		2.07623	1.94624	1.71422	1.49688	1.25746
0.95931	0.83458	0.77541	0.57875			
3602097.54		1.57617	1.52403	1.36792	1.25210	1.11384
0.91448	0.82318	0.68055	0.56576			
3601847.54		1.25095	1.22646	1.15811	1.05381	0.95767
0.81768	0.72871	0.66460	0.52354			
3601597.54		1.02883	1.03731	0.97617	0.90222	0.81015
0.74135	0.64986	0.59984	0.47777			
3601347.54		0.86321	0.88160	0.83557	0.78568	0.69109
0.66189	0.60980	0.52792	0.42974			
3601097.54		0.74220	0.75065	0.72396	0.68550	0.62047
0.58669	0.55339	0.46350	0.43842			

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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PAGE 239
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP2
INCLUDING SOURCE(S): SP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

Y-COORD			
(METERS)		510868.86	511118.86

3606097.54		0.00768	0.00690
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3605847.54		0.00857	0.00749
3605597.54		0.00962	0.00865
3605347.54		0.01243	0.00986
3605097.54		0.01216	0.01130
3604847.54		0.01624	0.01715
3604597.54		0.02983	0.01794
3604347.54		0.02092	0.01810
3604097.54		0.02572	0.02260
3603847.54		0.04173	0.03779
3603597.54		0.09020	0.06397
3603347.54		0.10938	0.08663
3603097.54		0.14191	0.10695
3602847.54		0.13183	0.13289
3602597.54		0.13971	0.16402
3602347.54		0.34743	0.43603
3602097.54		0.51190	0.46859
3601847.54		0.44960	0.40316
3601597.54		0.44742	0.36826
3601347.54		0.39043	0.36719
3601097.54		0.36005	0.34611

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP2
INCLUDING SOURCE(S): SP2 ,

*** DISCRETE CARTESIAN RECEPTOR

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POINTS ***

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

**

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

	508226.78	3603955.63	22.60184
3603932.32	4.54751		507708.67
	506203.59	3603369.23	0.52341
3604794.52	1.20477		507919.87
	507037.89	3604916.08	1.93181

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP6
INCLUDING SOURCE(S): SP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	504118.86	504368.86	504618.86	X-COORD (METERS)	504868.86	505118.86
505368.86	505618.86	505868.86	506118.86			

3606097.54	0.33122	0.37289	0.42156	0.48554	0.52323
0.61069	0.65046	0.63955	0.57878		
3605847.54	0.32429	0.37065	0.42137	0.50483	0.58546
0.65915	0.72449	0.78605	0.73552		
3605597.54	0.30960	0.35149	0.42075	0.50406	0.58684
0.67941	0.78205	0.89428	0.98511		
3605347.54	0.34564	0.35664	0.37944	0.42592	0.53920
0.64970	0.77139	0.92628	1.07903		
3605097.54	0.34296	0.38161	0.42205	0.43024	0.47584
0.55751	0.72682	0.87664	1.06667		
3604847.54	0.32340	0.36044	0.39221	0.43849	0.53360
0.53974	0.61734	0.80434	0.97436		
3604597.54	0.29800	0.33083	0.37369	0.43733	0.52329
0.54004	0.63842	0.69237	0.86628		
3604347.54	0.27479	0.30223	0.34036	0.39037	0.45762
0.53806	0.63594	0.73156	0.75932		
3604097.54	0.24839	0.28264	0.31051	0.34918	0.40001
0.46558	0.57102	0.66372	0.71132		
3603847.54	0.22242	0.24886	0.28703	0.31725	0.36687
0.42657	0.48341	0.53530	0.63377		
3603597.54	0.20277	0.22247	0.25305	0.28292	0.31191
0.35923	0.40042	0.45170	0.53280		
3603347.54	0.18826	0.20814	0.23158	0.25472	0.28331
0.31779	0.36008	0.41276	0.49579		
3603097.54	0.17701	0.19282	0.21070	0.24170	0.26156
0.29000	0.34078	0.38789	0.47440		
3602847.54	0.16626	0.18189	0.20452	0.22423	0.24949
0.28142	0.33490	0.38888	0.47667		
3602597.54	0.16103	0.17701	0.19937	0.22237	0.25102
0.28788	0.33962	0.39116	0.45800		
3602347.54	0.15986	0.17645	0.19642	0.22015	0.25315
0.29284	0.33048	0.36374	0.39668		
3602097.54	0.16084	0.17865	0.20018	0.22229	0.24775
0.26882	0.28995	0.31749	0.34695		
3601847.54	0.16362	0.17973	0.19472	0.20946	0.22548
0.23874	0.25902	0.28710	0.32962		
3601597.54	0.16108	0.17189	0.18049	0.18983	0.20072
0.21788	0.24106	0.27508	0.32249		
3601347.54	0.15138	0.15747	0.16435	0.17395	0.18939
0.20892	0.23542	0.27154	0.31586		
3601097.54	0.13904	0.14505	0.15421	0.16857	0.18504
0.20759	0.23473	0.27253	0.31480		

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP6
 INCLUDING SOURCE(S): SP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	506368.86	506618.86	506868.86	X-COORD (METERS)	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54	0.57218	0.57190	0.51454	0.49047	0.36921
0.29845	0.12892	0.10946	0.04395		
3605847.54	0.70244	0.69218	0.70640	0.64774	0.47823
0.35392	0.25871	0.24219	0.09770		
3605597.54	0.92049	0.87860	0.85266	0.84229	0.76776
0.45126	0.29942	0.34588	0.26486		
3605347.54	1.22127	1.29863	1.14378	1.07453	0.95612
0.73780	0.56785	0.44829	0.15613		
3605097.54	1.29372	1.54807	1.77484	1.83763	1.58258
1.36376	0.97540	0.53264	0.08308		
3604847.54	1.23668	1.58194	2.05221	2.55134	2.85344
2.74043	1.51009	0.88809	0.17445		
3604597.54	1.11261	1.47185	1.95520	2.71455	3.81266
4.73951	4.32235	0.93267	0.22357		
3604347.54	1.00248	1.25235	1.60826	2.31906	3.63785
5.78715	8.66360	7.98922	1.47209		
3604097.54	0.80649	1.05925	1.45263	2.04224	2.79446
4.55618	9.40483	21.47356	19.22761		
3603847.54	0.74136	0.83839	1.08296	1.38765	2.03505
3.17572	5.72221	11.74023	61.26225		
3603597.54	0.66656	0.78868	0.95867	1.25059	1.61792
2.41655	4.29763	7.34723	23.14692		
3603347.54	0.59489	0.73005	0.87565	1.18267	1.66446
2.05769	3.07050	5.41138	10.55455		
3603097.54	0.58079	0.71761	0.88303	1.06397	1.27518
1.68908	2.60782	3.92208	5.56381		
3602847.54	0.57984	0.68267	0.75732	0.88637	1.12755
1.51739	2.13835	2.88152	3.41866		
3602597.54	0.51934	0.55172	0.65562	0.83311	1.04900
1.35563	1.75810	2.10381	2.46224		
3602347.54	0.43015	0.50091	0.61499	0.77901	0.97016
1.15981	1.41246	1.62190	1.82079		
3602097.54	0.39762	0.47054	0.58923	0.71323	0.85222
1.00250	1.16944	1.29514	1.40310		
3601847.54	0.38635	0.46342	0.56594	0.65039	0.74912
0.87031	0.98701	1.06162	1.14140		
3601597.54	0.37914	0.45057	0.52436	0.58959	0.67099
0.76272	0.84075	0.90428	0.94188		
3601347.54	0.37017	0.42907	0.48293	0.54367	0.61356
0.67197	0.73449	0.77181	0.80988		
3601097.54	0.36025	0.40380	0.44842	0.50154	0.55702
0.59982	0.63695	0.67689	0.70930		

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

PAGE 243

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP6
 INCLUDING SOURCE(S): SP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	508618.86	508868.86	509118.86	X-COORD (METERS) 509368.86	509618.86
509868.86	510118.86	510368.86	510618.86		
3606097.54	0.03219	0.03210	0.01818	0.03171	0.01738
0.01163	0.01058	0.01036	0.00872		
3605847.54	0.07781	0.10461	0.02713	0.10165	0.02373
0.01874	0.01342	0.01208	0.01010		
3605597.54	0.23286	0.15737	0.10442	0.10690	0.08267
0.04122	0.01762	0.01192	0.01077		
3605347.54	0.09523	0.19684	0.14894	0.15818	0.16390
0.02924	0.01883	0.01468	0.01414		
3605097.54	0.06099	0.06030	0.04615	0.03324	0.03758
0.07972	0.02400	0.01955	0.01453		
3604847.54	0.07740	0.04443	0.03760	0.03025	0.02773
0.02742	0.03453	0.02975	0.02240		
3604597.54	0.12175	0.07572	0.04951	0.03922	0.03066
0.02625	0.02903	0.03046	0.03731		
3604347.54	0.39333	0.18879	0.09810	0.08830	0.04961
0.03779	0.02932	0.02802	0.02874		
3604097.54	5.19364	1.37182	0.44927	0.19422	0.11604
0.06148	0.04647	0.04174	0.03426		
3603847.54	94.64870	7.17295	2.39822	1.00506	0.34058
0.16821	0.11254	0.09423	0.06046		
3603597.54	9.31120	2.07764	1.34087	1.06269	0.74639
0.49912	0.32271	0.25305	0.14236		
3603347.54	12.49445	1.63864	0.51701	0.78545	1.61400
0.61954	0.96621	0.51434	0.22509		
3603097.54	6.86078	5.33482	0.79793	2.38235	1.81486
1.27241	1.13450	0.36496	0.20284		
3602847.54	3.59894	3.23710	2.99056	1.94562	1.47383
1.22816	1.02110	0.78692	0.16691		
3602597.54	2.49200	2.30384	2.12749	1.64256	1.33862
1.10372	0.92084	0.54677	0.13000		
3602347.54	1.90945	1.77351	1.59333	1.41728	1.22685
0.94261	0.81745	0.72811	0.52672		
3602097.54	1.45915	1.40709	1.27202	1.19037	1.07889
0.90028	0.74947	0.62119	0.55651		
3601847.54	1.16842	1.14184	1.09717	1.00777	0.92241
0.79961	0.71930	0.61341	0.51706		
3601597.54	0.97293	0.98669	0.93111	0.86695	0.77965
0.72119	0.64167	0.59032	0.47461		
3601347.54	0.82337	0.84649	0.80171	0.75827	0.66280
0.64262	0.59999	0.52360	0.42303		
3601097.54	0.71529	0.72370	0.69812	0.66320	0.59992
0.57029	0.54161	0.44980	0.43594		

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

PAGE 244
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP6
INCLUDING SOURCE(S): SP6

GRIDCART ***
*** NETWORK ID: UCART1 ; NETWORK TYPE:
** CONC OF TAC IN MICROGRAMS/M**3

Y-COORD (METERS)	510868.86	511118.86	X-COORD (METERS)
3606097.54	0.00783	0.00699	
3605847.54	0.00865	0.00761	
3605597.54	0.00984	0.00868	
3605347.54	0.01237	0.00998	
3605097.54	0.01272	0.01228	
3604847.54	0.01762	0.01808	
3604597.54	0.03234	0.01825	
3604347.54	0.02348	0.02017	
3604097.54	0.02837	0.02449	
3603847.54	0.04856	0.04317	
3603597.54	0.10403	0.07297	
3603347.54	0.11604	0.09299	
3603097.54	0.13996	0.10817	
3602847.54	0.12015	0.12715	
3602597.54	0.12134	0.14899	
3602347.54	0.30723	0.38003	
3602097.54	0.49685	0.44456	
3601847.54	0.44563	0.39933	
3601597.54	0.44033	0.36572	
3601347.54	0.38791	0.36382	
3601097.54	0.35515	0.34445	

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

PAGE 245
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP6
INCLUDING SOURCE(S): SP6
*** DISCRETE CARTESIAN RECEPTOR
POINTS ***
** CONC OF TAC IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	33.82753	507708.67
3603932.32	4.50154		
506203.59	3603369.23	0.52769	507919.87
3604794.52	1.34645		
507037.89	3604916.08	2.30082	

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

PAGE 246
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP7
INCLUDING SOURCE(S): SP7

GRIDCAT ***		*** NETWORK ID: UCART1			; NETWORK TYPE:	
**		** CONC OF TAC			IN MICROGRAMS/M**3	
Y-COORD (METERS)		504118.86	504368.86	504618.86	X-COORD (METERS) 504868.86	505118.86
505368.86	505618.86	505868.86	506118.86			
3606097.54	0.61005	0.33121	0.37258	0.42099	0.48522	0.52153
3605847.54	0.65980	0.32482	0.37143	0.42211	0.50609	0.58675
3605597.54	0.68204	0.72421	0.78476	0.73001	0.50648	0.58968
3605347.54	0.65321	0.30956	0.35170	0.42245	0.54152	0.58968
3605097.54	0.78403	0.89513	0.98398	0.37936	0.42591	0.54152
3604847.54	0.77525	0.34670	0.35706	0.42374	0.43064	0.47593
3604597.54	0.73060	0.93016	1.08102	0.39431	0.44043	0.53626
3604347.54	0.73060	0.34447	0.38320	0.42374	0.44043	0.53626
3604097.54	0.61706	0.88193	1.07234	0.37639	0.44069	0.52677
3603847.54	0.54333	0.32552	0.36246	0.37639	0.44069	0.52677
3603597.54	0.64252	0.29997	0.33318	0.37639	0.44069	0.52677
3603347.54	0.64252	0.69308	0.86904	0.37639	0.44069	0.52677
3603097.54	0.54264	0.27656	0.30420	0.34276	0.39315	0.46114
3602847.54	0.64120	0.73838	0.76280	0.31302	0.35218	0.40390
3602597.54	0.47007	0.25031	0.28490	0.31302	0.35218	0.40390
3602347.54	0.57604	0.67039	0.71804	0.28971	0.32051	0.37053
3602097.54	0.36198	0.22410	0.25088	0.28971	0.32051	0.37053
3601847.54	0.43066	0.54188	0.64162	0.25486	0.28507	0.31425
3601597.54	0.36039	0.20411	0.22410	0.25486	0.28507	0.31425
3601347.54	0.40391	0.45573	0.53779	0.23308	0.25648	0.28525
3601097.54	0.32002	0.41620	0.49954	0.23308	0.25648	0.28525
3600847.54	0.36039	0.17801	0.19400	0.21201	0.24330	0.26317
3600597.54	0.29171	0.38955	0.47593	0.21201	0.24330	0.26317
3600347.54	0.34254	0.16709	0.18272	0.20541	0.22512	0.25030
3600097.54	0.28217	0.33564	0.38968	0.47752	0.22512	0.25030
3600097.54	0.36039	0.17801	0.19400	0.21201	0.24330	0.26317
3600097.54	0.29171	0.38955	0.47593	0.21201	0.24330	0.26317
3600097.54	0.34254	0.16709	0.18272	0.20541	0.22512	0.25030
3600097.54	0.28217	0.33564	0.38968	0.47752	0.22512	0.25030
3600097.54	0.36039	0.17801	0.19400	0.21201	0.24330	0.26317
3600097.54	0.29171	0.38955	0.47593	0.21201	0.24330	0.26317
3600097.54	0.34254	0.16709	0.18272	0.20541	0.22512	0.25030
3600097.54	0.28217	0.33564	0.38968	0.47752	0.22512	0.25030
3600097.54	0.36039	0.17801	0.19400	0.21201	0.24330	0.26317
3600097.54	0.29171	0.38955	0.47593	0.21201	0.24330	0.26317
3600097.54	0.34254	0.16709	0.18272	0.20541	0.22512	0.25030
3600097.54	0.28217	0.33564	0.38968	0.47752	0.22512	0.25030
3600097.54	0.36039	0.17801	0.19400	0.21201	0.24330	0.26317
3600097.54	0.29171	0.38955	0.47593	0.21201	0.24330	0.26317
3600097.54	0.34254	0.16709	0.18272	0.20541	0.22512	0.25030
3600097.54	0.28217	0.33564	0.38968	0.47752	0.22512	0.25030
3600097.54	0.36039					

3 YEARS FOR SOURCE	*** THE ANNUAL AVERAGE CONCENTRATION GROUP: SP7	VALUES AVERAGED OVER *** INCLUDING SOURCE(S):
		SP7

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PAGE 248
*** MODELOPTS:      RegDEFAULT CONC ELEV RURAL ADJ_U*

                *** THE ANNUAL AVERAGE CONCENTRATION   VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP7          ***
                                INCLUDING SOURCE(S) :    SP7
```

Otay Hills Quarry AERMOD Output File (HRA)

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**
Y-COORD | X-COORD (METERS)
(METERS) | 508618.86 508868.86 509118.86 509368.86 509618.86
509868.86 510118.86 510368.86 510618.86
-----
3606097.54 | 0.03190 0.03171 0.01804 0.03084 0.01723
0.01153 | 0.01049 0.01028 0.00871
3605847.54 | 0.07495 0.09955 0.02666 0.09770 0.02336
0.01852 | 0.01333 0.01207 0.01011
3605597.54 | 0.22349 0.15100 0.09927 0.10121 0.07726
0.04060 | 0.01761 0.01193 0.01073
3605347.54 | 0.09180 0.18882 0.14158 0.14775 0.15769
0.02904 | 0.01890 0.01450 0.01409
3605097.54 | 0.06025 0.05890 0.04544 0.03281 0.03743
0.07369 | 0.02351 0.01931 0.01445
3604847.54 | 0.07643 0.04360 0.03680 0.03011 0.02770
0.02698 | 0.03316 0.02895 0.02201
3604597.54 | 0.11968 0.07438 0.04913 0.03893 0.03024
0.02578 | 0.02836 0.02985 0.03599
3604347.54 | 0.37396 0.18799 0.09483 0.08559 0.04834
0.03730 | 0.02894 0.02743 0.02802
3604097.54 | 4.75349 1.18448 0.39694 0.18134 0.11070
0.05951 | 0.04531 0.04082 0.03360
3603847.54 | 83.64209 6.28441 2.16316 0.92800 0.32090
0.16070 | 0.10825 0.09101 0.05872
3603597.54 | 8.74629 2.20614 1.39056 1.06621 0.73686
0.49101 | 0.31665 0.24723 0.13932
3603347.54 | 13.21812 1.58672 0.53093 0.79465 1.57248
0.61436 | 0.93423 0.49833 0.22307
3603097.54 | 7.12166 5.52188 0.76958 2.38983 1.84741
1.26303 | 1.12923 0.36088 0.20301
3602847.54 | 3.69970 3.33669 3.02016 1.98957 1.50383
1.23378 | 1.03615 0.78159 0.16805
3602597.54 | 2.54608 2.35920 2.18035 1.67545 1.36377
1.12156 | 0.93228 0.53109 0.13033
3602347.54 | 1.94681 1.80989 1.62592 1.44499 1.24885
0.95705 | 0.82923 0.73302 0.51800
3602097.54 | 1.48224 1.43213 1.29394 1.21170 1.09718
0.91380 | 0.74434 0.61480 0.56300
3601847.54 | 1.18436 1.15929 1.11529 1.02414 0.93684
0.81063 | 0.72889 0.61161 0.52297
3601597.54 | 0.98515 1.00147 0.94513 0.87981 0.79060
0.73085 | 0.64958 0.59715 0.47963
3601347.54 | 0.83280 0.85820 0.81293 0.76868 0.67092
0.65084 | 0.60732 0.52933 0.42676
3601097.54 | 0.72323 0.73274 0.70705 0.67165 0.60701
0.57711 | 0.54794 0.45366 0.44036

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 249
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP7
INCLUDING SOURCE(S): SP7 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**
Y-COORD | X-COORD (METERS)
(METERS) | 510868.86 511118.86
-----
3606097.54 | 0.00783 0.00698
3605847.54 | 0.00864 0.00761
3605597.54 | 0.00982 0.00867
3605347.54 | 0.01233 0.00989
3605097.54 | 0.01252 0.01209
3604847.54 | 0.01743 0.01790
3604597.54 | 0.03143 0.01802
3604347.54 | 0.02295 0.01983
3604097.54 | 0.02788 0.02414
3603847.54 | 0.04732 0.04213
3603597.54 | 0.10186 0.07151
3603347.54 | 0.11515 0.09222
3603097.54 | 0.14015 0.10810
3602847.54 | 0.12123 0.12737
3602597.54 | 0.12203 0.14867
3602347.54 | 0.29758 0.37335
3602097.54 | 0.50165 0.44815
3601847.54 | 0.45039 0.40331
3601597.54 | 0.44488 0.36927
3601347.54 | 0.39156 0.36732
3601097.54 | 0.35810 0.34756

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 250
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP7
INCLUDING SOURCE(S): SP7 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**
X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC
-----
508226.78 3603955.63 34.56777 507708.67
3603932.32 4.61708
506203.59 3603369.23 0.53204 507919.87
3604794.52 1.23430
507037.89 3604916.08 2.29148

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP8          ***
      INCLUDING SOURCE(S):              SP8      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          504118.86  504368.86  504618.86  504868.86  505118.86
505368.86  505618.86  505868.86  506118.86
-----
3606097.54 | 0.33107 0.37240 0.42058 0.48472 0.51976
0.60896 0.64720 0.63328 0.56732
3605847.54 | 0.32524 0.37193 0.42288 0.50722 0.58776
0.66012 0.72337 0.78250 0.72391
3605597.54 | 0.30964 0.35201 0.42400 0.50872 0.59223
0.68451 0.78556 0.89499 0.98163
3605347.54 | 0.34758 0.35738 0.37929 0.42586 0.54375
0.65651 0.77891 0.93299 1.08197
3605097.54 | 0.34558 0.38461 0.42508 0.43101 0.47564
0.55881 0.73414 0.88669 1.07765
3604847.54 | 0.32721 0.36468 0.39625 0.44246 0.53869
0.54063 0.61699 0.81101 0.98455
3604597.54 | 0.30195 0.33529 0.37894 0.44386 0.53034
0.54694 0.64625 0.69412 0.87129
3604347.54 | 0.27851 0.30631 0.34509 0.39608 0.46459
0.54684 0.64632 0.74490 0.76651
3604097.54 | 0.25210 0.28724 0.31561 0.35518 0.40747
0.47444 0.58124 0.67655 0.72540
3603847.54 | 0.22594 0.25309 0.29219 0.32341 0.37416
0.43495 0.49385 0.54818 0.65002
3603597.54 | 0.20528 0.22565 0.25664 0.28732 0.31680
0.36514 0.40749 0.45987 0.54312
3603347.54 | 0.19031 0.21051 0.23457 0.25818 0.28717
0.32240 0.36557 0.41928 0.50334
3603097.54 | 0.17901 0.19516 0.21333 0.24489 0.26470
0.29307 0.34438 0.39123 0.47742
3602847.54 | 0.16785 0.18358 0.20622 0.22598 0.25105
0.28288 0.33631 0.38998 0.47809
3602597.54 | 0.16183 0.17782 0.20025 0.22321 0.25177
0.28858 0.34077 0.39412 0.46532
3602347.54 | 0.16056 0.17705 0.19681 0.22024 0.25390
0.29473 0.33497 0.37089 0.40517
3602097.54 | 0.16103 0.17880 0.20057 0.22341 0.25064
0.27339 0.29553 0.32276 0.35037
3601847.54 | 0.16394 0.18057 0.19649 0.21257 0.22976
0.24287 0.26225 0.28928 0.33087
3601597.54 | 0.16229 0.17397 0.18334 0.19294 0.20377
0.22014 0.24238 0.27569 0.32285
3601347.54 | 0.15367 0.16000 0.16687 0.17590 0.19068
0.20996 0.23598 0.27167 0.31608
3601097.54 | 0.14116 0.14679 0.15559 0.16971 0.18575
0.20802 0.23519 0.27269 0.31528

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP8          ***
      INCLUDING SOURCE(S):              SP8      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          506368.86  506618.86  506868.86  507118.86  507368.86
507618.86  507868.86  508118.86  508368.86
-----
3606097.54 | 0.56224 0.56495 0.50815 0.47775 0.34061
0.28704 0.11711 0.10121 0.04254
3605847.54 | 0.68630 0.67826 0.69810 0.63986 0.45353
0.33490 0.23701 0.23383 0.08977
3605597.54 | 0.90564 0.85598 0.83180 0.82879 0.72784
0.41827 0.26872 0.34147 0.26192
3605347.54 | 1.21779 1.28666 1.11100 1.04051 0.92545
0.72056 0.56102 0.44539 0.14165
3605097.54 | 1.30189 1.54658 1.75839 1.80661 1.54397
1.33224 0.95172 0.47522 0.08036
3604847.54 | 1.25171 1.59859 2.05867 2.52339 2.77128
2.59279 1.30168 0.78238 0.16290
3604597.54 | 1.12284 1.48940 1.98107 2.73932 3.77187
4.46561 3.84386 0.77028 0.21001
3604347.54 | 1.01829 1.26918 1.62251 2.35032 3.68600
5.79784 8.27335 7.31796 1.19503
3604097.54 | 0.81718 1.08056 1.49123 2.10343 2.86966
4.67501 9.55089 20.76458 16.09042
3603847.54 | 0.76131 0.85701 1.11238 1.42495 2.11674
3.34161 6.11325 12.73056 71.50053
3603597.54 | 0.68030 0.80652 0.98087 1.28056 1.65056
2.45073 4.36781 7.61110 25.02516
3603347.54 | 0.60368 0.73792 0.88334 1.18915 1.68117
2.12761 3.10513 5.46116 11.49116
3603097.54 | 0.58299 0.71971 0.89170 1.09139 1.30981
1.69413 2.62266 4.03589 5.93107
3602847.54 | 0.58426 0.69507 0.77727 0.90033 1.12901
1.51951 2.17613 2.98187 3.58660
3602597.54 | 0.53073 0.56300 0.66133 0.83314 1.05058
1.37244 1.79473 2.17140 2.56652
3602347.54 | 0.43645 0.50368 0.61517 0.77975 0.97928
1.17717 1.44215 1.66927 1.88518
3602097.54 | 0.39934 0.47104 0.58954 0.71761 0.86348
1.01756 1.19484 1.32964 1.44509
3601847.54 | 0.38670 0.46333 0.56856 0.65759 0.75879
0.88396 1.00849 1.08767 1.17271
3601597.54 | 0.37907 0.45214 0.52918 0.59681 0.67965
0.77549 0.85836 0.92559 0.96487
3601347.54 | 0.37113 0.43210 0.48850 0.55033 0.62198
0.68339 0.74934 0.78903 0.82873
3601097.54 | 0.36230 0.40796 0.45382 0.50762 0.56475
0.61050 0.64915 0.69144 0.72517

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP8          ***
      INCLUDING SOURCE(S):              SP8          ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          508618.86    508868.86    509118.86    509368.86    509618.86
509868.86    510118.86    510368.86    510618.86
-----
3606097.54 |          0.03161    0.03135    0.01791    0.03004    0.01700
0.01142    0.01041          0.01021    0.00871
3605847.54 |          0.07248    0.09491    0.02624    0.09399    0.02305
0.01829    0.01325          0.01207    0.01008
3605597.54 |          0.22023    0.14487    0.09450    0.09602    0.07238
0.04019    0.01737          0.01193    0.01071
3605347.54 |          0.08880    0.18123    0.13481    0.13833    0.15149
0.02892    0.01898          0.01438    0.01402
3605097.54 |          0.05949    0.05761    0.04475    0.03213    0.03729
0.06854    0.02294          0.01903    0.01430
3604847.54 |          0.07534    0.04269    0.03620    0.02983    0.02756
0.02655    0.03235          0.02838    0.02163
3604597.54 |          0.11752    0.07300    0.04863    0.03872    0.02996
0.02533    0.02782          0.02924    0.03486
3604347.54 |          0.35614    0.18600    0.09151    0.08287    0.04701
0.03676    0.02858          0.02692    0.02732
3604097.54 |          4.04914    1.03023    0.35041    0.16907    0.10527
0.05741    0.04408          0.03988    0.03294
3603847.54 |          63.66614    5.39729    1.93799    0.85316    0.30022
0.15290    0.10382          0.08765    0.05684
3603597.54 |          8.44305    2.37473    1.44399    1.06978    0.72833
0.48265    0.30985          0.24113    0.13610
3603347.54 |          14.01580    1.55225    0.54990    0.81015    1.53665
0.61111    0.90488          0.48443    0.22115
3603097.54 |          7.40213    5.72139    0.74819    2.39534    1.87743
1.25476    1.12393          0.35804    0.20333
3602847.54 |          3.80919    3.44433    3.04810    2.03519    1.53459
1.23890    1.05177          0.77682    0.16955
3602597.54 |          2.60448    2.41873    2.23613    1.71001    1.38944
1.13950    0.94368          0.51685    0.13099
3602347.54 |          1.98593    1.84898    1.66043    1.47409    1.27135
0.97179    0.84112          0.73812    0.50955
3602097.54 |          1.50689    1.45872    1.31711    1.23400    1.11609
0.92752    0.73885          0.60830    0.56940
3601847.54 |          1.20152    1.17788    1.13431    1.04121    0.95182
0.82197    0.73849          0.60986    0.52887
3601597.54 |          0.99788    1.01690    0.95982    0.89320    0.80196
0.74085    0.65760          0.60393    0.48474
3601347.54 |          0.84269    0.87032    0.82473    0.77950    0.67938
0.65935    0.61483          0.53514    0.43054
3601097.54 |          0.73125    0.74216    0.71646    0.68043    0.61435
0.58414    0.55445          0.45762    0.44476

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** ***
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP8          ***
      INCLUDING SOURCE(S):              SP8          ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          510868.86    511118.86
-----
3606097.54 |          0.00781    0.00698
3605847.54 |          0.00861    0.00759
3605597.54 |          0.00979    0.00860
3605347.54 |          0.01228    0.00983
3605097.54 |          0.01235    0.01192
3604847.54 |          0.01723    0.01772
3604597.54 |          0.03060    0.01782
3604347.54 |          0.02236    0.01948
3604097.54 |          0.02738    0.02376
3603847.54 |          0.04602    0.04104
3603597.54 |          0.09954    0.06998
3603347.54 |          0.11426    0.09135
3603097.54 |          0.14035    0.10802
3602847.54 |          0.12226    0.12784
3602597.54 |          0.12301    0.14867
3602347.54 |          0.28898    0.36737
3602097.54 |          0.50644    0.45182
3601847.54 |          0.45522    0.40713
3601597.54 |          0.44945    0.37284
3601347.54 |          0.39529    0.37080
3601097.54 |          0.36108    0.35067

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** ***
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP8          ***
      INCLUDING SOURCE(S):              SP8          ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**
      X-COORD (M)  Y-COORD (M)  CONC          X-COORD (M)
      Y-COORD (M)  CONC
-----
          508226.78    3603955.63    35.04793          507708.67
3603932.32          4.73467
          506203.59    3603369.23    0.53649          507919.87
3604794.52          1.13221
          507037.89    3604916.08    2.27698

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Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP9 ***
INCLUDING SOURCE(S): SP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	504118.86	504368.86	504618.86	504868.86	505118.86
505368.86	505618.86	505868.86	506118.86		

3606097.54	0.32472	0.36590	0.41428	0.47893	0.51264
0.60216	0.63889	0.62283	0.55150		
3605847.54	0.31817	0.36538	0.41649	0.50202	0.58272
0.65463	0.71610	0.77337	0.71001		
3605597.54	0.30096	0.34340	0.41621	0.50178	0.58585
0.67873	0.77986	0.88751	0.97105		
3605347.54	0.34133	0.34990	0.36939	0.41472	0.53394
0.64770	0.77137	0.92624	1.07499		
3605097.54	0.34161	0.37953	0.41890	0.42264	0.46417
0.54567	0.72101	0.87510	1.06877		
3604847.54	0.32264	0.35995	0.39188	0.43748	0.53249
0.53156	0.60408	0.79606	0.96751		
3604597.54	0.29673	0.32999	0.37306	0.43709	0.52229
0.54085	0.64008	0.68392	0.85992		
3604347.54	0.27462	0.30199	0.34038	0.39043	0.45767
0.53847	0.63608	0.73561	0.75533		
3604097.54	0.24868	0.28332	0.31142	0.35079	0.40249
0.46891	0.57302	0.66810	0.71793		
3603847.54	0.22140	0.24820	0.28665	0.31738	0.36706
0.42651	0.48501	0.53992	0.64082		
3603597.54	0.20056	0.22028	0.25082	0.28091	0.31033
0.35781	0.40013	0.45218	0.53503		
3603347.54	0.18706	0.20730	0.23121	0.25473	0.28367
0.31849	0.36102	0.41338	0.49462		
3603097.54	0.17691	0.19252	0.21013	0.24058	0.25920
0.28632	0.33541	0.38079	0.46403		
3602847.54	0.16403	0.17868	0.20047	0.21946	0.24405
0.27517	0.32705	0.37928	0.46635		
3602597.54	0.15707	0.17295	0.19483	0.21737	0.24485
0.28055	0.33279	0.38906	0.46359		
3602347.54	0.15633	0.17223	0.19117	0.21420	0.24817
0.29106	0.33362	0.36966	0.39972		
3602097.54	0.15648	0.17400	0.19614	0.22067	0.24939
0.27262	0.29280	0.31623	0.34127		
3601847.54	0.16048	0.17835	0.19536	0.21182	0.22802
0.23884	0.25599	0.28131	0.32180		
3601597.54	0.16134	0.17346	0.18226	0.19051	0.19936
0.21438	0.23584	0.26852	0.31420		
3601347.54	0.15289	0.15828	0.16380	0.17151	0.18561
0.20435	0.22985	0.26442	0.30818		
3601097.54	0.13892	0.14346	0.15150	0.16490	0.18088
0.20251	0.22868	0.26564	0.30926		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: SP9 ***
INCLUDING SOURCE(S): SP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	506368.86	506618.86	506868.86	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86		

3606097.54	0.54612	0.55358	0.49723	0.45667	0.32889
0.28480	0.11817	0.10433	0.04304		
3605847.54	0.66691	0.65830	0.68477	0.62332	0.43776
0.33175	0.23771	0.23211	0.09011		
3605597.54	0.88970	0.83154	0.80607	0.81193	0.70686
0.40973	0.27263	0.33156	0.25178		
3605347.54	1.20671	1.27048	1.07993	1.00470	0.89816
0.69005	0.54344	0.43832	0.14238		
3605097.54	1.29521	1.53667	1.73774	1.77023	1.50295
1.29717	0.89957	0.47680	0.07997		
3604847.54	1.23663	1.58915	2.04953	2.49444	2.69852
2.48649	1.27272	0.78354	0.16462		
3604597.54	1.10633	1.46510	1.95785	2.72675	3.73623
4.31912	3.71745	0.77175	0.20814		
3604347.54	1.01054	1.26026	1.60706	2.32530	3.64417
5.77808	8.06993	6.90271	1.20389		
3604097.54	0.80553	1.07042	1.48190	2.09538	2.87160
4.68451	9.48006	20.60248	14.46704		
3603847.54	0.75181	0.84576	1.10150	1.41233	2.11482
3.36072	6.19615	13.20328	81.77745		
3603597.54	0.67008	0.79642	0.97013	1.26520	1.62896
2.40905	4.30130	7.70401	25.93936		
3603347.54	0.59043	0.71930	0.86124	1.15824	1.65275
2.13966	3.04836	5.43819	11.91757		
3603097.54	0.56619	0.70049	0.87925	1.09248	1.29818
1.65213	2.59481	4.04580	6.07556		
3602847.54	0.57551	0.69272	0.77265	0.88063	1.09912
1.49534	2.16805	2.99940	3.63682		
3602597.54	0.52773	0.55385	0.64388	0.80962	1.03088
1.36541	1.78195	2.17917	2.58843		
3602347.54	0.42640	0.49023	0.59849	0.76316	0.97215
1.16501	1.43432	1.67008	1.89142		
3602097.54	0.38868	0.45853	0.57613	0.71040	0.85630
1.00413	1.19048	1.32710	1.44373		
3601847.54	0.37643	0.45242	0.56108	0.65288	0.74772
0.87458	1.00410	1.08405	1.16852		
3601597.54	0.37006	0.44498	0.52508	0.58941	0.66837
0.76953	0.85306	0.92223	0.95902		
3601347.54	0.36460	0.42818	0.48369	0.54062	0.61337
0.67871	0.74386	0.78547	0.82276		
3601097.54	0.35819	0.40439	0.44674	0.49788	0.55906
0.60570	0.64370	0.68776	0.71911		

Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
 *** 16:35:25 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP9
 INCLUDING SOURCE(S): SP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)	509868.86	510118.86	510368.86	510618.86	509368.86	509618.86
3606097.54	0.03158	0.03186	0.01730	0.03007	0.01694		
0.01117	0.01017	0.01030	0.00885				
3605847.54	0.07437	0.09388	0.02550	0.09301	0.02298		
0.01824	0.01324	0.01223	0.01019				
3605597.54	0.21640	0.14629	0.09463	0.09619	0.07188		
0.04200	0.01773	0.01205	0.01068				
3605347.54	0.09032	0.18236	0.13444	0.13584	0.15653		
0.02961	0.01931	0.01430	0.01401				
3605097.54	0.05898	0.05621	0.04455	0.03165	0.03804		
0.06944	0.02270	0.01884	0.01402				
3604847.54	0.07441	0.04081	0.03499	0.02996	0.02765		
0.02617	0.03207	0.02819	0.02135				
3604597.54	0.11587	0.07102	0.04849	0.03862	0.02965		
0.02450	0.02711	0.02876	0.03421				
3604347.54	0.35306	0.18606	0.08941	0.08105	0.04523		
0.03596	0.02757	0.02544	0.02589				
3604097.54	3.81654	1.00335	0.33138	0.15861	0.09855		
0.05409	0.04205	0.03813	0.03157				
3603847.54	49.13283	4.91576	1.83088	0.81303	0.27681		
0.14048	0.09569	0.08170	0.05292				
3603597.54	9.43013	2.57836	1.53661	1.10890	0.74562		
0.48891	0.30969	0.23957	0.13249				
3603347.54	14.77730	1.63555	0.56013	0.84822	1.58867		
0.63764	0.92824	0.49741	0.22532				
3603097.54	7.61107	5.86375	0.77901	2.43646	1.87087		
1.27913	1.14435	0.37104	0.20978				
3602847.54	3.88617	3.52778	3.12437	2.04899	1.54357		
1.24185	1.04293	0.78789	0.17405				
3602597.54	2.63415	2.44985	2.26864	1.73166	1.38985		
1.13908	0.93947	0.52518	0.13185				
3602347.54	2.00020	1.85969	1.67993	1.49187	1.27569		
0.96862	0.83946	0.73253	0.51313				
3602097.54	1.51028	1.46121	1.32537	1.24051	1.12733		
0.92421	0.74209	0.61320	0.56818				
3601847.54	1.20035	1.17677	1.13540	1.04701	0.95597		
0.82516	0.73267	0.61063	0.52629				
3601597.54	0.99507	1.01509	0.95635	0.89735	0.80139		
0.74499	0.65595	0.59735	0.48089				
3601347.54	0.83872	0.86789	0.81996	0.77962	0.67929		
0.65849	0.61733	0.53117	0.42547				
3601097.54	0.72710	0.73859	0.71192	0.67682	0.61533		
0.58164	0.55537	0.45660	0.43968				

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
 *** 16:35:25 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP9
 INCLUDING SOURCE(S): SP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)	510868.86	511118.86
3606097.54	0.00790	0.00701	
3605847.54	0.00863	0.00761	
3605597.54	0.00980	0.00856	
3605347.54	0.01217	0.00962	
3605097.54	0.01199	0.01167	
3604847.54	0.01706	0.01763	
3604597.54	0.03020	0.01717	
3604347.54	0.02137	0.01886	
3604097.54	0.02627	0.02276	
3603847.54	0.04297	0.03850	
3603597.54	0.09614	0.06697	
3603347.54	0.11409	0.09059	
3603097.54	0.14401	0.11009	
3602847.54	0.12529	0.13155	
3602597.54	0.12498	0.15235	
3602347.54	0.29373	0.36870	
3602097.54	0.50241	0.44473	
3601847.54	0.45414	0.40507	
3601597.54	0.44632	0.37170	
3601347.54	0.39184	0.36828	
3601097.54	0.35674	0.34751	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
 *** 16:35:25 ***

PAGE 260

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: SP9
 INCLUDING SOURCE(S): SP9 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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

Otay Hills Quarry AERMOD Output File (HRA)

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- - - - -
508226.78 3603955.63 35.74258 507708.67
3603932.32 4.77533
506203.59 3603369.23 0.52702 507919.87
3604794.52 1.11110
507037.89 3604916.08 2.25015

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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PAGE 261

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC5
INCLUDING SOURCE(S): TC5 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) | 504118.86 504368.86 504618.86 504868.86 505118.86
505368.86 505618.86 505868.86 506118.86
- - - - -

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```

3606097.54 | 0.27109 0.30534 0.34561 0.39878 0.42881
0.50304 0.53854 0.53422 0.48722
3605847.54 | 0.26691 0.30553 0.34762 0.41686 0.48311
0.54326 0.59708 0.64979 0.61043
3605597.54 | 0.25490 0.28998 0.34854 0.41774 0.48647
0.56282 0.64663 0.73777 0.81286
3605347.54 | 0.28706 0.29566 0.31352 0.35185 0.44808
0.54038 0.64151 0.76864 0.89222
3605097.54 | 0.28843 0.31995 0.35283 0.35825 0.39476
0.46313 0.60571 0.73155 0.88958
3604847.54 | 0.27676 0.30759 0.33377 0.37164 0.44981
0.45213 0.51450 0.67215 0.81492
3604597.54 | 0.25934 0.28751 0.32404 0.37800 0.44981
0.46408 0.54594 0.58556 0.73054
3604347.54 | 0.24455 0.26850 0.30164 0.34494 0.40293
0.47242 0.55636 0.63933 0.65920
3604097.54 | 0.22835 0.25919 0.28446 0.31931 0.36505
0.42356 0.51623 0.59921 0.64291
3603847.54 | 0.21139 0.23641 0.27222 0.30118 0.34770
0.40358 0.45797 0.50884 0.60262
3603597.54 | 0.19674 0.21608 0.24559 0.27483 0.30344
0.34960 0.39092 0.44222 0.52291
3603347.54 | 0.18512 0.20495 0.22853 0.25210 0.28120
0.31655 0.36017 0.41451 0.49859
3603097.54 | 0.17759 0.19417 0.21299 0.24491 0.26586
0.29535 0.34657 0.39355 0.47779
3602847.54 | 0.17051 0.18680 0.20993 0.23000 0.25520
0.28652 0.33800 0.38842 0.47045
3602597.54 | 0.16630 0.18234 0.20436 0.22666 0.25362
0.28765 0.33574 0.38524 0.45431
3602347.54 | 0.16425 0.18003 0.19839 0.21985 0.25050
0.28850 0.32712 0.36362 0.39927
3602097.54 | 0.16247 0.17857 0.19812 0.21908 0.24484
0.26761 0.29081 0.31858 0.34315

```

```

3601847.54 | 0.16214 0.17731 0.19219 0.20799 0.22564
0.23969 0.25884 0.28274 0.31771
3601597.54 | 0.15892 0.17026 0.18004 0.19044 0.20145
0.21711 0.23665 0.26466 0.30229
3601347.54 | 0.15075 0.15775 0.16520 0.17434 0.18818
0.20486 0.22638 0.25469 0.28759
3601097.54 | 0.13974 0.14588 0.15455 0.16752 0.18137
0.19969 0.22065 0.24915 0.27936

```

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC5
INCLUDING SOURCE(S): TC5 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) | 506368.86 506618.86 506868.86 507118.86 507368.86
507618.86 507868.86 508118.86 508368.86
- - - - -

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```

3606097.54 | 0.49726 0.51920 0.49404 0.50667 0.37990
0.30930 0.12378 0.10886 0.04179
3605847.54 | 0.58858 0.60077 0.64510 0.63185 0.47127
0.35528 0.25619 0.28598 0.10018
3605597.54 | 0.76159 0.73259 0.73737 0.77413 0.72343
0.43938 0.28574 0.57175 0.54909
3605347.54 | 1.00682 1.07348 0.94840 0.92134 0.87577
0.77711 0.72296 0.69715 0.16010
3605097.54 | 1.07472 1.27708 1.45870 1.52560 1.36982
1.28846 1.10834 0.52194 0.07773
3604847.54 | 1.03542 1.32170 1.69831 2.08172 2.31925
2.29710 1.31858 0.84210 0.16623
3604597.54 | 0.93480 1.23426 1.64012 2.26310 3.09940
3.71448 3.52334 0.81029 0.20658
3604347.54 | 0.86832 1.07522 1.36487 1.95648 3.05031
4.76019 6.69397 6.46286 1.34275
3604097.54 | 0.72366 0.95047 1.29940 1.81545 2.45766
3.93353 7.87759 16.29136 15.37786
3603847.54 | 0.70605 0.79795 1.03380 1.32480 1.95843
3.07962 5.61184 11.75090 64.78784
3603597.54 | 0.65521 0.77955 0.95247 1.24699 1.61458
2.38546 4.18971 7.38247 21.11849
3603347.54 | 0.59876 0.73226 0.87385 1.16415 1.63082
2.07496 2.94609 4.71199 9.51653
3603097.54 | 0.57886 0.70682 0.86801 1.06502 1.28107
1.58735 2.28762 3.33859 4.81393
3602847.54 | 0.57022 0.67946 0.76397 0.87669 1.05434
1.34002 1.82750 2.41402 2.89008
3602597.54 | 0.52210 0.55319 0.64092 0.77950 0.93275
1.16671 1.47115 1.74042 2.05526
3602347.54 | 0.42834 0.48586 0.57467 0.69703 0.83973
0.97889 1.16527 1.32857 1.50557
3602097.54 | 0.38409 0.43982 0.52976 0.62024 0.72473
0.83245 0.95513 1.05333 1.15261

```

Otay Hills Quarry AERMOD Output File (HRA)

3601847.54		0.36167	0.41834	0.49489	0.55608	0.62760
0.71393	0.79964	0.85902	0.93278			
3601597.54		0.34387	0.39586	0.45023	0.49742	0.55499
0.61979	0.67679	0.72872	0.76630			
3601347.54		0.32687	0.36993	0.40965	0.45363	0.50207
0.54182	0.58827	0.62014	0.65649			
3601097.54		0.31197	0.34385	0.37671	0.41416	0.45170
0.48085	0.50824	0.54258	0.57334			

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC5
INCLUDING SOURCE(S): TC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD					X-COORD (METERS)	
(METERS)		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.03151	0.03303	0.01985	0.03430	0.01864
0.01255	0.01108	0.01063	0.00912			
3605847.54		0.08343	0.11991	0.02916	0.13129	0.02488
0.01907	0.01388	0.01252	0.01043			
3605597.54		0.38894	0.19485	0.12523	0.12597	0.08463
0.04593	0.01804	0.01248	0.01114			
3605347.54		0.10001	0.25169	0.18550	0.18099	0.19059
0.03118	0.02041	0.01489	0.01464			
3605097.54		0.05993	0.06304	0.04848	0.03399	0.04039
0.08338	0.02453	0.02037	0.01519			
3604847.54		0.07661	0.04694	0.03953	0.03210	0.02947
0.02818	0.03453	0.03038	0.02275			
3604597.54		0.12190	0.07894	0.05209	0.04141	0.03181
0.02663	0.02882	0.03016	0.03611			
3604347.54		0.38836	0.20129	0.09966	0.08667	0.04794
0.03774	0.02960	0.02744	0.02739			
3604097.54		10.00452	1.31766	0.35692	0.16155	0.10076
0.05519	0.04270	0.03869	0.03205			
3603847.54		44.24256	4.64672	1.77041	0.78191	0.26652
0.13690	0.09417	0.08031	0.05256			
3603597.54		9.75047	2.62221	1.45978	1.03800	0.69978
0.46010	0.29209	0.22720	0.12579			
3603347.54		12.65139	1.63454	0.55521	0.83083	1.61276
0.60437	0.92582	0.48127	0.21040			
3603097.54		6.37402	5.32458	0.76767	2.49840	2.04262
1.31745	1.16729	0.35233	0.19326			
3602847.54		3.18017	3.02412	3.07571	2.02963	1.58974
1.28325	1.14051	0.80512	0.16210			
3602597.54		2.14928	2.07191	2.01389	1.62767	1.38758
1.17325	0.99235	0.52801	0.12374			
3602347.54		1.62045	1.55702	1.45257	1.35032	1.22102
0.97121	0.86030	0.77117	0.51847			
3602097.54		1.22397	1.21428	1.13090	1.09888	1.03520
0.89740	0.75066	0.61687	0.58751			

3601847.54		0.97150	0.97256	0.95823	0.90779	0.85962
0.77011	0.71878	0.61573	0.53646			
3601597.54		0.80317	0.83172	0.80211	0.76592	0.70922
0.67627	0.62123	0.59055	0.48404			
3601347.54		0.67577	0.70750	0.68331	0.65998	0.59143
0.58975	0.56608	0.50937	0.42223			
3601097.54		0.58414	0.60043	0.58964	0.57048	0.52696
0.51384	0.50046	0.42554	0.42575			

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC5
INCLUDING SOURCE(S): TC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD					X-COORD (METERS)	
(METERS)		510868.86	511118.86			

3606097.54		0.00818	0.00733
3605847.54		0.00897	0.00804
3605597.54		0.01022	0.00922
3605347.54		0.01298	0.01051
3605097.54		0.01294	0.01241
3604847.54		0.01774	0.01838
3604597.54		0.03176	0.01855
3604347.54		0.02245	0.01944
3604097.54		0.02667	0.02313
3603847.54		0.04283	0.03836
3603597.54		0.09184	0.06453
3603347.54		0.10604	0.08456
3603097.54		0.13122	0.10024
3602847.54		0.11480	0.12001
3602597.54		0.11629	0.14232
3602347.54		0.29032	0.37503
3602097.54		0.53042	0.48011
3601847.54		0.46674	0.42251
3601597.54		0.45456	0.38033
3601347.54		0.39432	0.37380
3601097.54		0.35467	0.34954

```

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC5
INCLUDING SOURCE(S): TC5 ,

Otay Hills Quarry AERMOD Output File (HRA)

POINTS ***

*** DISCRETE CARTESIAN RECEPTOR

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

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

Y-COORD (M) CONC

508226.78 3603955.63 28.08973 507708.67

3603932.32 4.18458

506203.59 3603369.23 0.53047 507919.87

3604794.52 1.16528

507037.89 3604916.08 1.88043

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 *** **

*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER

3 YEARS FOR SOURCE GROUP: TC6

INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | X-COORD (METERS)

505368.86 505618.86 504868.86 505118.86

3606097.54 | 0.26357 0.29699 0.33663 0.38861 0.42146

0.49320 0.53120 0.53321 0.49610

3605847.54 | 0.25876 0.29510 0.33536 0.40041 0.46460

0.52531 0.58188 0.63809 0.61296

3605597.54 | 0.24861 0.28119 0.33461 0.39839 0.46297

0.53619 0.61894 0.71176 0.79254

3605347.54 | 0.27775 0.28696 0.30496 0.34099 0.42741

0.51199 0.60629 0.72754 0.85133

3605097.54 | 0.27796 0.30818 0.33970 0.34725 0.38272

0.44560 0.57294 0.68716 0.83305

3604847.54 | 0.26562 0.29485 0.32022 0.35666 0.42966

0.43622 0.49621 0.63697 0.76523

3604597.54 | 0.24910 0.27554 0.30966 0.35989 0.42739

0.44140 0.51778 0.56089 0.69394

3604347.54 | 0.23527 0.25790 0.28894 0.32922 0.38300

0.44732 0.52460 0.59940 0.62419

3604097.54 | 0.21962 0.24849 0.27228 0.30486 0.34735

0.40145 0.48784 0.56321 0.60337

3603847.54 | 0.20328 0.22670 0.26013 0.28709 0.33038

0.38246 0.43203 0.47798 0.56286

3603597.54 | 0.18961 0.20788 0.23551 0.26291 0.28968

0.33256 0.37086 0.41839 0.49210

3603347.54 | 0.17894 0.19768 0.21989 0.24210 0.26940

0.30243 0.34300 0.39330 0.47063

3603097.54 | 0.17179 0.18752 0.20536 0.23528 0.25513

0.28298 0.33068 0.37457 0.45259

3602847.54 | 0.16509 0.18061 0.20250 0.22160 0.24549

0.27508 0.32310 0.37016 0.44638

3602597.54 | 0.16124 0.17656 0.19742 0.21858 0.24408

0.27614 0.32117 0.36731 0.43167

3602347.54 | 0.15935 0.17442 0.19193 0.21236 0.24126

0.27694 0.31314 0.34731 0.38069

3602097.54 | 0.15769 0.17309 0.19170 0.21160 0.23586

0.25731 0.27912 0.30522 0.32787

3601847.54 | 0.15742 0.17189 0.18608 0.20105 0.21770

0.23098 0.24895 0.27125 0.30379

3601597.54 | 0.15432 0.16513 0.17446 0.18433 0.19475

0.20948 0.22783 0.25409 0.28929

3601347.54 | 0.14647 0.15316 0.16026 0.16892 0.18200

0.19775 0.21804 0.24467 0.27560

3601097.54 | 0.13590 0.14176 0.15001 0.16232 0.17545

0.19280 0.21260 0.23949 0.26811

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 *** **

*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER

3 YEARS FOR SOURCE GROUP: TC6

INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | X-COORD (METERS)

507618.86 507868.86 506368.86 506618.86 506868.86 507118.86 507368.86

3606097.54 | 0.50539 0.52503 0.50626 0.53560 0.45929

0.33347 0.15508 0.13406 0.04593

3605847.54 | 0.60068 0.61238 0.65275 0.65070 0.54727

0.39371 0.30885 0.33083 0.12332

3605597.54 | 0.76211 0.74896 0.75558 0.79038 0.84928

0.52131 0.34943 0.58747 0.55461

3605347.54 | 0.97339 1.05566 0.97014 0.95334 0.92047

0.83083 0.74106 0.70805 0.21091

3605097.54 | 1.01111 1.21819 1.42034 1.52257 1.40003

1.34977 1.18657 0.66367 0.08632

3604847.54 | 0.96173 1.22219 1.58494 1.99718 2.32311

2.43049 1.80917 1.05361 0.20890

3604597.54 | 0.87790 1.14280 1.49633 2.05247 2.89075

3.78721 3.90076 1.27466 0.24739

3604347.54 | 0.81032 1.00049 1.26621 1.77727 2.69934

4.18489 6.41972 7.14806 2.19083

3604097.54 | 0.68198 0.88173 1.18347 1.62489 2.17719

3.39499 6.46770 13.56831 20.40572

3603847.54 | 0.65618 0.74366 0.95099 1.20911 1.73604

2.63476 4.53268 8.72480 33.31034

3603597.54 | 0.61229 0.72346 0.87706 1.13476 1.45388

2.10126 3.54214 5.92652 14.57737

3603347.54 | 0.56251 0.68419 0.81071 1.06871 1.47824

1.84929 2.55721 3.97257 7.75845

3603097.54 | 0.54601 0.66291 0.80737 0.98151 1.17048

1.43145 2.02491 2.93969 4.23019

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54		0.53895	0.63937	0.71406	0.81426	0.96881
1.22282	1.65839	2.18522	2.63847			
3602597.54		0.49531	0.52220	0.60175	0.72554	0.86287
1.07868	1.35401	1.61463	1.90293			
3602347.54		0.40717	0.45965	0.54028	0.65144	0.78382
0.91543	1.08888	1.24898	1.41329			
3602097.54		0.36558	0.41693	0.49962	0.58448	0.68325
0.78382	0.90204	0.99835	1.09315			
3601847.54		0.34461	0.39726	0.46881	0.52781	0.59535
0.67669	0.76053	0.81903	0.88930			
3601597.54		0.32816	0.37710	0.42903	0.47436	0.52835
0.59097	0.64706	0.69675	0.73437			
3601347.54		0.31271	0.35387	0.39208	0.43338	0.47918
0.51921	0.56394	0.59518	0.63039			
3601097.54		0.29934	0.33012	0.36134	0.39638	0.43272
0.46225	0.48891	0.52185	0.55138			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TC6
 INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD					X-COORD (METERS)	
(METERS)		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.03335	0.03518	0.02106	0.03780	0.01946
0.01300	0.01135	0.01090	0.00935			
3605847.54		0.10372	0.14305	0.03103	0.15392	0.02640
0.01991	0.01434	0.01300	0.01072			
3605597.54		0.56632	0.23225	0.15497	0.15168	0.10116
0.05441	0.01887	0.01291	0.01146			
3605347.54		0.12536	0.30892	0.22898	0.21967	0.23107
0.03386	0.02169	0.01543	0.01514			
3605097.54		0.06466	0.07004	0.05211	0.03593	0.04437
0.10540	0.02614	0.02137	0.01576			
3604847.54		0.08453	0.05001	0.04265	0.03428	0.03161
0.03003	0.03763	0.03308	0.02413			
3604597.54		0.13780	0.08708	0.05677	0.04507	0.03397
0.02816	0.03059	0.03224	0.03981			
3604347.54		0.49401	0.23672	0.11558	0.09850	0.05232
0.04043	0.03135	0.02921	0.02923			
3604097.54		12.94263	2.21909	0.48484	0.19529	0.11653
0.06126	0.04662	0.04190	0.03426			
3603847.54		324.68728	9.20554	2.79768	1.09196	0.33600
0.16292	0.10853	0.09115	0.05828			
3603597.54		13.15995	2.34828	1.51212	1.18398	0.80846
0.52792	0.33274	0.25883	0.14057			
3603347.54		11.27618	2.08521	0.52852	0.84523	1.89780
0.66804	1.10208	0.56476	0.22777			
3603097.54		5.81852	5.14192	0.95247	2.83871	2.07483
1.42909	1.25543	0.38294	0.20215			

3602847.54		2.97037	2.91456	2.99634	2.05076	1.60000
1.40435	1.14281	0.85781	0.16292			
3602597.54		2.03083	2.01066	1.94817	1.61500	1.39636
1.18113	1.00331	0.60679	0.12527			
3602347.54		1.53516	1.51237	1.41847	1.31463	1.21525
0.97708	0.86255	0.78757	0.57116			
3602097.54		1.16936	1.18105	1.10767	1.07250	1.01492
0.89658	0.80640	0.66409	0.58742			
3601847.54		0.93283	0.94757	0.93493	0.88901	0.83859
0.76364	0.71826	0.64927	0.53635			
3601597.54		0.77306	0.80761	0.78336	0.74982	0.69567
0.66336	0.61856	0.59068	0.48471			
3601347.54		0.65200	0.68704	0.66793	0.64540	0.58349
0.57731	0.55816	0.50816	0.42414			
3601097.54		0.56418	0.58407	0.57677	0.55823	0.51888
0.50494	0.49051	0.42512	0.42492			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TC6
 INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD				X-COORD (METERS)
(METERS)		510868.86	511118.86	

3606097.54		0.00836	0.00747
3605847.54		0.00921	0.00820
3605597.54		0.01047	0.00943
3605347.54		0.01342	0.01080
3605097.54		0.01343	0.01279
3604847.54		0.01841	0.01927
3604597.54		0.03463	0.01935
3604347.54		0.02385	0.02044
3604097.54		0.02832	0.02438
3603847.54		0.04702	0.04176
3603597.54		0.10159	0.07063
3603347.54		0.11321	0.09019
3603097.54		0.13639	0.10445
3602847.54		0.11486	0.12305
3602597.54		0.11591	0.14669
3602347.54		0.33387	0.40822
3602097.54		0.53236	0.48242
3601847.54		0.46582	0.42200
3601597.54		0.45458	0.37963
3601347.54		0.39502	0.37325
3601097.54		0.35602	0.34943

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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Otay Hills Quarry AERMOD Output File (HRA)

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TC6
 INCLUDING SOURCE(S): TC6 ,
 *** DISCRETE CARTESIAN RECEPTOR
 POINTS ***
 ** CONC OF TAC IN MICROGRAMS/M**3
 **
 X-COORD (M) Y-COORD (M) CONC X-COORD (M)
 Y-COORD (M) CONC
 - - - - -
 508226.78 3603955.63 19.20951 507708.67
 3603932.32 3.50798
 506203.59 3603369.23 0.49977 507919.87
 3604794.52 1.70871
 507037.89 3604916.08 1.81071
 *** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
 Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 *** ***
 *** 16:35:25

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TC7
 INCLUDING SOURCE(S): TC7 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***
 ** CONC OF TAC IN MICROGRAMS/M**3
 **
 Y-COORD (METERS) | 504118.86 504368.86 504618.86 504868.86 505118.86
 505368.86 505618.86 505868.86 506118.86
 - - - - -
 3606097.54 | 0.26425 0.29779 0.33759 0.38985 0.42263
 0.49496 0.53302 0.53460 0.49655
 3605847.54 | 0.25950 0.29605 0.33651 0.40207 0.46665
 0.52761 0.58430 0.64064 0.61429
 3605597.54 | 0.24924 0.28203 0.33593 0.40024 0.46527
 0.53895 0.62216 0.71542 0.79638
 3605347.54 | 0.27878 0.28790 0.30584 0.34204 0.42939
 0.51471 0.60975 0.73193 0.85644
 3605097.54 | 0.27902 0.30942 0.34111 0.34843 0.38398
 0.44734 0.57614 0.69142 0.83865
 3604847.54 | 0.26664 0.29603 0.32150 0.35811 0.43172
 0.43786 0.49811 0.64057 0.77009
 3604597.54 | 0.25003 0.27662 0.31095 0.36153 0.42945
 0.44344 0.52040 0.56322 0.69759
 3604347.54 | 0.23613 0.25887 0.29009 0.33065 0.38481
 0.44960 0.52746 0.60295 0.62710
 3604097.54 | 0.22037 0.24943 0.27334 0.30612 0.34890
 0.40340 0.49038 0.56643 0.60673

3603847.54 | 0.20395 0.22750 0.26114 0.28826 0.33183
 0.38422 0.43419 0.48051 0.56611
 3603597.54 | 0.19023 0.20859 0.23640 0.26396 0.29089
 0.33408 0.37264 0.42048 0.49481
 3603347.54 | 0.17952 0.19837 0.22070 0.24304 0.27050
 0.30374 0.34459 0.39528 0.47328
 3603097.54 | 0.17233 0.18814 0.20607 0.23620 0.25616
 0.28418 0.33227 0.37650 0.45522
 3602847.54 | 0.16561 0.18122 0.20325 0.22246 0.24650
 0.27628 0.32469 0.37213 0.44898
 3602597.54 | 0.16177 0.17717 0.19816 0.21944 0.24511
 0.27740 0.32276 0.36914 0.43369
 3602347.54 | 0.15988 0.17502 0.19263 0.21319 0.24226
 0.27812 0.31441 0.34858 0.38202
 3602097.54 | 0.15822 0.17370 0.19240 0.21237 0.23668
 0.25813 0.27996 0.30622 0.32917
 3601847.54 | 0.15794 0.17246 0.18664 0.20161 0.21828
 0.23160 0.24974 0.27228 0.30514
 3601597.54 | 0.15475 0.16556 0.17487 0.18476 0.19525
 0.21013 0.22865 0.25513 0.29059
 3601347.54 | 0.14679 0.15348 0.16061 0.16935 0.18255
 0.19843 0.21887 0.24568 0.27681
 3601097.54 | 0.13617 0.14208 0.15039 0.16280 0.17603
 0.19349 0.21341 0.24047 0.26922
 *** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TC7
 INCLUDING SOURCE(S): TC7 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***
 ** CONC OF TAC IN MICROGRAMS/M**3
 **
 Y-COORD (METERS) | 506368.86 506618.86 506868.86 507118.86 507368.86
 507618.86 507868.86 508118.86 508368.86
 - - - - -
 3606097.54 | 0.50596 0.52599 0.50677 0.53491 0.45823
 0.33164 0.15132 0.13117 0.04556
 3605847.54 | 0.60127 0.61311 0.65425 0.65161 0.54135
 0.39042 0.30398 0.32663 0.12038
 3605597.54 | 0.76420 0.74987 0.75644 0.79195 0.81660
 0.51385 0.34316 0.58806 0.55606
 3605347.54 | 0.97891 1.06086 0.97176 0.95414 0.92046
 0.82963 0.74224 0.70997 0.20465
 3605097.54 | 1.01816 1.22651 1.42928 1.53043 1.40417
 1.35213 1.18592 0.65115 0.08563
 3604847.54 | 0.96879 1.23215 1.59857 2.01338 2.33762
 2.43656 1.77225 1.03459 0.20424
 3604597.54 | 0.88366 1.15187 1.51016 2.07421 2.92193
 3.81258 3.90224 1.21636 0.24421
 3604347.54 | 0.81543 1.00730 1.27556 1.79457 2.73311
 4.24807 6.51065 7.19844 2.09968
 3604097.54 | 0.68535 0.88740 1.19321 1.64105 2.20077
 3.44231 6.59818 13.93951 20.57023

Otay Hills Quarry AERMOD Output File (HRA)

3603847.54		0.66018	0.74775	0.95729	1.21767	1.75289
2.66829	4.61247	8.92515	34.94347			
3603597.54		0.61613	0.72844	0.88373	1.14480	1.46827
2.12754	3.60302	6.02891	15.01592			
3603347.54		0.56602	0.68896	0.81706	1.07855	1.49352
1.86716	2.58713	4.03253	7.86682			
3603097.54		0.54951	0.66761	0.81349	0.98857	1.17859
1.44494	2.04817	2.96802	4.26269			
3602847.54		0.54215	0.64286	0.71775	0.81919	0.97675
1.23360	1.67162	2.20057	2.65129			
3602597.54		0.49731	0.52449	0.60513	0.73074	0.86952
1.08602	1.36274	1.62219	1.91115			
3602347.54		0.40885	0.46205	0.54365	0.65587	0.78877
0.92030	1.09427	1.25350	1.41818			
3602097.54		0.36733	0.41919	0.50258	0.58774	0.68660
0.78750	0.90557	1.00143	1.09619			
3601847.54		0.34631	0.39935	0.47127	0.53018	0.59785
0.67945	0.76303	0.82128	0.89160			
3601597.54		0.32973	0.37890	0.43089	0.47620	0.53042
0.59304	0.64892	0.69865	0.73606			
3601347.54		0.31410	0.35532	0.39353	0.43500	0.48097
0.52078	0.56549	0.59668	0.63186			
3601097.54		0.30051	0.33128	0.36258	0.39782	0.43418
0.46351	0.49014	0.52314	0.55269			

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TC7
 INCLUDING SOURCE(S): TC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)		508618.86	508868.86	509118.86	X-COORD (METERS)	509368.86	509618.86
509868.86		510118.86	510368.86	510618.86			

3606097.54		0.03318	0.03499	0.02095	0.03740	0.01938
0.01297	0.01134	0.01088	0.00933			
3605847.54		0.10123	0.14055	0.03084	0.15150	0.02624
0.01987	0.01431	0.01296	0.01069			
3605597.54		0.56630	0.22858	0.15142	0.14892	0.09926
0.05323	0.01878	0.01286	0.01143			
3605347.54		0.12218	0.30321	0.22414	0.21575	0.22688
0.03351	0.02151	0.01536	0.01511			
3605097.54		0.06435	0.06936	0.05186	0.03581	0.04387
0.10276	0.02605	0.02131	0.01572			
3604847.54		0.08404	0.04980	0.04242	0.03412	0.03135
0.02978	0.03739	0.03286	0.02402			
3604597.54		0.13700	0.08667	0.05647	0.04471	0.03384
0.02809	0.03053	0.03211	0.03955			
3604347.54		0.48392	0.23482	0.11393	0.09774	0.05215
0.04032	0.03123	0.02914	0.02917			
3604097.54		12.96176	2.11070	0.47296	0.19360	0.11588
0.06109	0.04651	0.04174	0.03418			

3603847.54		290.43892	8.75909	2.70166	1.06634	0.33279
0.16178	0.10802	0.09076	0.05810			
3603597.54		12.35035	2.31372	1.49168	1.16595	0.79692
0.52142	0.32942	0.25638	0.13970			
3603347.54		11.32625	2.01439	0.52260	0.83355	1.85668
0.65818	1.08013	0.55421	0.22595			
3603097.54		5.84227	5.13206	0.92312	2.71663	2.06621
1.41181	1.24307	0.37801	0.20086			
3602847.54		2.97735	2.91253	2.98219	2.04431	1.59617
1.39677	1.14007	0.84978	0.16208			
3602597.54		2.03495	2.00923	1.94825	1.61252	1.39340
1.17888	1.00105	0.59690	0.12453			
3602347.54		1.53892	1.51207	1.41783	1.31475	1.21396
0.97529	0.86143	0.78531	0.56500			
3602097.54		1.17168	1.18117	1.10713	1.07258	1.01511
0.89556	0.79983	0.65855	0.58697			
3601847.54		0.93450	0.94782	0.93515	0.88910	0.83901
0.76324	0.71762	0.64523	0.53595			
3601597.54		0.77447	0.80837	0.78365	0.75006	0.69574
0.66360	0.61817	0.59020	0.48430			
3601347.54		0.65317	0.68784	0.66826	0.64576	0.58332
0.57761	0.55829	0.50783	0.42359			
3601097.54		0.56525	0.58474	0.57711	0.55856	0.51893
0.50508	0.49084	0.42471	0.42468			

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TC7
 INCLUDING SOURCE(S): TC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)		510868.86	511118.86

3606097.54		0.00835	0.00746
3605847.54		0.00920	0.00819
3605597.54		0.01046	0.00941
3605347.54		0.01337	0.01079
3605097.54		0.01341	0.01279
3604847.54		0.01839	0.01923
3604597.54		0.03435	0.01930
3604347.54		0.02381	0.02042
3604097.54		0.02826	0.02433
3603847.54		0.04689	0.04164
3603597.54		0.10106	0.07035
3603347.54		0.11266	0.08981
3603097.54		0.13573	0.10398
3602847.54		0.11446	0.12250
3602597.54		0.11540	0.14567
3602347.54		0.32826	0.40370
3602097.54		0.53178	0.48173
3601847.54		0.46557	0.42179
3601597.54		0.45428	0.37944

Otay Hills Quarry AERMOD Output File (HRA)

3601347.54 | 0.39469 0.37308
3601097.54 | 0.35562 0.34925

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TC7 ***
INCLUDING SOURCE(S): TC7 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	19.91726	507708.67
3603932.32	3.56034		
506203.59	3603369.23	0.50268	507919.87
3604794.52	1.66012		
507037.89	3604916.08	1.82448	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP10 ***
INCLUDING SOURCE(S): TP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86
505618.86	505868.86 506118.86

3606097.54	0.26351	0.29690	0.33649	0.38832	0.42112
0.49250	0.53033	0.53234	0.49548		
3605847.54	0.25867	0.29498	0.33521	0.40009	0.46411
0.52465	0.58101	0.63695	0.61207		
3605597.54	0.24850	0.28106	0.33438	0.39805	0.46253
0.53559	0.61811	0.71058	0.79098		
3605347.54	0.27749	0.28675	0.30480	0.34084	0.42703
0.51148	0.60562	0.72656	0.84991		
3605097.54	0.27773	0.30790	0.33936	0.34701	0.38249
0.44529	0.57229	0.68636	0.83197		
3604847.54	0.26544	0.29464	0.32000	0.35639	0.42921
0.43594	0.49589	0.63618	0.76425		

3604597.54	0.24894	0.27537	0.30946	0.35963	0.42706
0.44109	0.51735	0.56063	0.69331		
3604347.54	0.23513	0.25774	0.28875	0.32898	0.38270
0.44696	0.52416	0.59886	0.62402		
3604097.54	0.21951	0.24835	0.27213	0.30468	0.34712
0.40115	0.48747	0.56274	0.60296		
3603847.54	0.20320	0.22660	0.26000	0.28694	0.33020
0.38225	0.43177	0.47769	0.56249		
3603597.54	0.18951	0.20777	0.23537	0.26274	0.28949
0.33232	0.37059	0.41808	0.49170		
3603347.54	0.17883	0.19755	0.21973	0.24193	0.26920
0.30219	0.34272	0.39295	0.47014		
3603097.54	0.17169	0.18741	0.20523	0.23511	0.25493
0.28275	0.33034	0.37415	0.45200		
3602847.54	0.16498	0.18049	0.20233	0.22140	0.24526
0.27480	0.32272	0.36969	0.44576		
3602597.54	0.16112	0.17641	0.19724	0.21837	0.24382
0.27583	0.32079	0.36691	0.43135		
3602347.54	0.15922	0.17427	0.19175	0.21216	0.24101
0.27667	0.31291	0.34718	0.38063		
3602097.54	0.15756	0.17294	0.19152	0.21142	0.23571
0.25722	0.27907	0.30515	0.32769		
3601847.54	0.15728	0.17177	0.18597	0.20098	0.21767
0.23094	0.24887	0.27108	0.30353		
3601597.54	0.15423	0.16508	0.17443	0.18431	0.19471
0.20939	0.22768	0.25388	0.28902		
3601347.54	0.14644	0.15315	0.16023	0.16887	0.18191
0.19762	0.21787	0.24446	0.27535		
3601097.54	0.13589	0.14174	0.14995	0.16223	0.17533
0.19265	0.21242	0.23929	0.26788		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP10 ***
INCLUDING SOURCE(S): TP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
507618.86	506368.86 506618.86 506868.86 507118.86 507368.86
507868.86	508118.86 508368.86

3606097.54	0.50467	0.52410	0.50532	0.53476	0.45882
0.33389	0.15616	0.13492	0.04602		
3605847.54	0.59985	0.61140	0.65135	0.64915	0.54790
0.39443	0.31020	0.33184	0.12419		
3605597.54	0.76086	0.74780	0.75426	0.78858	0.84814
0.52267	0.35130	0.58639	0.55342		
3605347.54	0.97138	1.05313	0.96839	0.95157	0.91866
0.82889	0.73908	0.70618	0.21267		
3605097.54	1.00949	1.21561	1.41646	1.51766	1.39591
1.34535	1.18275	0.66690	0.08634		
3604847.54	0.96041	1.22025	1.58153	1.99119	2.31451
2.42240	1.81420	1.05812	0.20987		

Otay Hills Quarry AERMOD Output File (HRA)

3604597.54		0.87672	1.14092	1.49374	2.04819	2.88188
3.77311	3.88778	1.28706	0.24748			
3604347.54		0.80966	0.99955	1.26483	1.77405	2.69316
4.17221	6.38405	7.09393	2.21216			
3604097.54		0.68182	0.88120	1.18230	1.62283	2.17465
3.38864	6.44632	13.48619	20.11832			
3603847.54		0.65578	0.74356	0.95070	1.20904	1.73506
2.63239	4.52671	8.72250	33.31808			
3603597.54		0.61170	0.72269	0.87605	1.13319	1.45170
2.09685	3.53116	5.92312	14.55268			
3603347.54		0.56184	0.68324	0.80940	1.06660	1.47528
1.84758	2.55481	3.96720	7.76293			
3603097.54		0.54522	0.66184	0.80610	0.98058	1.17004
1.42964	2.02160	2.93946	4.23458			
3602847.54		0.53828	0.63890	0.71384	0.81381	0.96746
1.22115	1.65743	2.18561	2.64152			
3602597.54		0.49521	0.52207	0.60129	0.72458	0.86169
1.07788	1.35360	1.61550	1.90433			
3602347.54		0.40701	0.45925	0.53962	0.65059	0.78311
0.91513	1.08888	1.24969	1.41424			
3602097.54		0.36525	0.41648	0.49903	0.58396	0.68292
0.78363	0.90216	0.99885	1.09386			
3601847.54		0.34426	0.39684	0.46837	0.52753	0.59516
0.67658	0.76066	0.81937	0.88975			
3601597.54		0.32784	0.37676	0.42876	0.47419	0.52819
0.59093	0.64717	0.69694	0.73469			
3601347.54		0.31244	0.35363	0.39190	0.43321	0.47902
0.51920	0.56399	0.59530	0.63057			
3601097.54		0.29913	0.32995	0.36119	0.39622	0.43260
0.46224	0.48895	0.52191	0.55147			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
 Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP10
 INCLUDING SOURCE(S): TP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509368.86
510118.86	509618.86
510368.86	
510618.86	

3606097.54		0.03337	0.03522	0.02107	0.03792	0.01946
0.01301	0.01135	0.01090	0.00935			
3605847.54		0.10449	0.14391	0.03106	0.15471	0.02642
0.01990	0.01434	0.01302	0.01072			
3605597.54		0.56564	0.23347	0.15614	0.15260	0.10177
0.05480	0.01888	0.01292	0.01146			
3605347.54		0.12626	0.31073	0.23056	0.22093	0.23242
0.03395	0.02173	0.01543	0.01513			
3605097.54		0.06463	0.07015	0.05216	0.03591	0.04451
0.10623	0.02613	0.02137	0.01576			
3604847.54		0.08447	0.04995	0.04268	0.03428	0.03165
0.03000	0.03766	0.03312	0.02413			

3604597.54		0.13763	0.08696	0.05674	0.04512	0.03395
0.02813	0.03058	0.03222	0.03983			
3604347.54		0.49521	0.23635	0.11583	0.09842	0.05220
0.04038	0.03133	0.02921	0.02917			
3604097.54		12.81707	2.24738	0.48584	0.19459	0.11613
0.06107	0.04651	0.04183	0.03421			
3603847.54		316.52304	9.21121	2.80466	1.09261	0.33437
0.16219	0.10813	0.09086	0.05812			
3603597.54		13.47755	2.38190	1.52675	1.18950	0.81102
0.52907	0.33303	0.25898	0.14043			
3603347.54		11.31852	2.11112	0.53247	0.85239	1.91574
0.67203	1.11010	0.56812	0.22818			
3603097.54		5.83177	5.15729	0.96198	2.84847	2.07892
1.43771	1.26144	0.38495	0.20265			
3602847.54		2.97626	2.92050	3.00677	2.05351	1.60138
1.40738	1.14438	0.86189	0.16352			
3602597.54		2.03400	2.01435	1.95051	1.61729	1.39746
1.18190	1.00417	0.61052	0.12568			
3602347.54		1.53668	1.51458	1.42023	1.31596	1.21615
0.97770	0.86291	0.78842	0.57346			
3602097.54		1.17044	1.18248	1.10900	1.07337	1.01561
0.89706	0.80893	0.66631	0.58759			
3601847.54		0.93357	0.94856	0.93571	0.88964	0.83910
0.76412	0.71852	0.65082	0.53647			
3601597.54		0.77353	0.80815	0.78391	0.75028	0.69609
0.66372	0.61883	0.59086	0.48483			
3601347.54		0.65232	0.68738	0.66832	0.64573	0.58389
0.57757	0.55838	0.50832	0.42434			
3601097.54		0.56438	0.58433	0.57705	0.55848	0.51916
0.50515	0.49068	0.42541	0.42502			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP10
 INCLUDING SOURCE(S): TP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00836	0.00749
3605847.54		0.00921	0.00819
3605597.54		0.01047	0.00943
3605347.54		0.01342	0.01080
3605097.54		0.01342	0.01277
3604847.54		0.01839	0.01926
3604597.54		0.03465	0.01935
3604347.54		0.02380	0.02041
3604097.54		0.02828	0.02435
3603847.54		0.04690	0.04166
3603597.54		0.10145	0.07054
3603347.54		0.11323	0.09020
3603097.54		0.13659	0.10454

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54	0.11515	0.12331	
3602597.54	0.11632	0.14726	
3602347.54	0.33600	0.41017	
3602097.54	0.53256	0.48271	
3601847.54	0.46592	0.42206	
3601597.54	0.45467	0.37970	
3601347.54	0.39511	0.37329	
3601097.54	0.35616	0.34947	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP10 ***
 INCLUDING SOURCE(S): TP10 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

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

508226.78	3603955.63	19.12267	507708.67
3603932.32	3.50340		
506203.59	3603369.23	0.49924	507919.87
3604794.52	1.71741		
507037.89	3604916.08	1.80546	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP11 ***
 INCLUDING SOURCE(S): TP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86
505618.86	505868.86 506118.86

3606097.54	0.26396	0.29760	0.33768	0.39061	0.42400
0.49790	0.53716	0.53940	0.50119		
3605847.54	0.25931	0.29583	0.33631	0.40233	0.46759
0.52958	0.58769	0.64581	0.61976		
3605597.54	0.24932	0.28202	0.33597	0.40033	0.46551
0.53971	0.62407	0.71941	0.80305		

3605347.54	0.27934	0.28833	0.30604	0.34203	0.42961
0.51490	0.61018	0.73344	0.86037		
3605097.54	0.27927	0.30984	0.34172	0.34885	0.38430
0.44764	0.57677	0.69182	0.83946		
3604847.54	0.26651	0.29594	0.32143	0.35817	0.43224
0.43812	0.49849	0.64186	0.77118		
3604597.54	0.24993	0.27645	0.31072	0.36126	0.42912
0.44302	0.52021	0.56270	0.69800		
3604347.54	0.23605	0.25876	0.28996	0.33048	0.38459
0.44925	0.52691	0.60223	0.62525		
3604097.54	0.22012	0.24917	0.27303	0.30576	0.34849
0.40292	0.48971	0.56563	0.60551		
3603847.54	0.20361	0.22712	0.26070	0.28773	0.33117
0.38334	0.43315	0.47925	0.56447		
3603597.54	0.19006	0.20841	0.23622	0.26376	0.29065
0.33381	0.37230	0.42003	0.49430		
3603347.54	0.17952	0.19837	0.22071	0.24303	0.27048
0.30370	0.34455	0.39527	0.47343		
3603097.54	0.17233	0.18814	0.20607	0.23626	0.25625
0.28435	0.33265	0.37708	0.45618		
3602847.54	0.16567	0.18133	0.20345	0.22274	0.24687
0.27676	0.32540	0.37307	0.45015		
3602597.54	0.16198	0.17743	0.19849	0.21984	0.24561
0.27804	0.32352	0.36964	0.43319		
3602347.54	0.16012	0.17531	0.19299	0.21363	0.24276
0.27847	0.31421	0.34758	0.38051		
3602097.54	0.15851	0.17405	0.19276	0.21259	0.23660
0.25758	0.27904	0.30529	0.32873		
3601847.54	0.15820	0.17263	0.18660	0.20127	0.21767
0.23092	0.24925	0.27214	0.30529		
3601597.54	0.15474	0.16534	0.17445	0.18425	0.19481
0.20989	0.22864	0.25529	0.29087		
3601347.54	0.14650	0.15310	0.16023	0.16909	0.18245
0.19848	0.21902	0.24591	0.27707		
3601097.54	0.13586	0.14182	0.15025	0.16278	0.17610
0.19363	0.21360	0.24070	0.26939		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP11 ***
 INCLUDING SOURCE(S): TP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
507618.86	506368.86 506618.86 506868.86 507118.86 507368.86
507868.86	508118.86 508368.86

3606097.54	0.51110	0.53182	0.51319	0.54227	0.46349
0.33272	0.14951	0.12965	0.04514		
3605847.54	0.60749	0.62010	0.66280	0.66179	0.54728
0.39181	0.30283	0.32712	0.11886		
3605597.54	0.77157	0.75856	0.76624	0.80379	0.82918
0.51737	0.34068	0.59569	0.56337		

Otay Hills Quarry AERMOD Output File (HRA)

3605347.54		0.98682	1.07328	0.98458	0.96839	0.93576
0.84631	0.75542	0.72145	0.20186			
3605097.54		1.02119	1.23520	1.44713	1.55764	1.43146
1.38307	1.21543	0.65034	0.08642			
3604847.54		0.96958	1.23387	1.60677	2.03824	2.38565
2.49530	1.80248	1.03850	0.20404			
3604597.54		0.88531	1.15434	1.51214	2.07907	2.95079
3.89686	4.01959	1.21625	0.24849			
3604347.54		0.81404	1.00610	1.27523	1.79774	2.73839
4.26789	6.68121	7.57917	2.09452			
3604097.54		0.68296	0.88466	1.18982	1.63612	2.19232
3.43520	6.60880	14.16385	22.88227			
3603847.54		0.65794	0.74391	0.95212	1.20920	1.74076
2.64689	4.56495	8.75580	33.57394			
3603597.54		0.61551	0.72771	0.88282	1.14400	1.46779
2.13084	3.61411	5.94555	14.73513			
3603347.54		0.56643	0.68989	0.81892	1.08206	1.49632
1.85700	2.57143	4.00824	7.69970			
3603097.54		0.55093	0.66953	0.81484	0.98574	1.17124
1.44264	2.04524	2.93803	4.19035			
3602847.54		0.54283	0.64146	0.71412	0.81612	0.97696
1.23307	1.66271	2.17917	2.61395			
3602597.54		0.49521	0.52233	0.60412	0.73126	0.86996
1.08271	1.35493	1.60668	1.89019			
3602347.54		0.40778	0.46187	0.54416	0.65644	0.78764
0.91642	1.08765	1.24274	1.40486			
3602097.54		0.36741	0.41959	0.50305	0.58735	0.68460
0.78424	0.90014	0.99386	1.08706			
3601847.54		0.34665	0.39973	0.47126	0.52911	0.59595
0.67667	0.75873	0.81580	0.88521			
3601597.54		0.33005	0.37901	0.43036	0.47501	0.52884
0.59063	0.64554	0.69466	0.73134			
3601347.54		0.31425	0.35507	0.39278	0.43400	0.47964
0.51869	0.56288	0.59363	0.62838			
3601097.54		0.30042	0.33082	0.36188	0.39700	0.43298
0.46176	0.48805	0.52078	0.55005			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP11 ***

INCLUDING SOURCE(S): TP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)		508618.86	508868.86	509118.86	X-COORD (METERS)		509368.86	509618.86
509868.86	510118.86	510368.86	510618.86					

3606097.54		0.03328	0.03503	0.02094	0.03722	0.01944
0.01301	0.01138	0.01092	0.00934			
3605847.54		0.09968	0.13903	0.03090	0.15037	0.02628
0.01997	0.01434	0.01297	0.01070			
3605597.54		0.57245	0.22701	0.14929	0.14751	0.09838
0.05210	0.01877	0.01287	0.01146			

3605347.54		0.12052	0.30096	0.22172	0.21425	0.22468
0.03333	0.02140	0.01543	0.01517			
3605097.54		0.06496	0.06956	0.05224	0.03612	0.04360
0.10137	0.02624	0.02142	0.01576			
3604847.54		0.08519	0.05051	0.04276	0.03433	0.03132
0.03007	0.03760	0.03293	0.02414			
3604597.54		0.13963	0.08810	0.05709	0.04484	0.03417
0.02842	0.03093	0.03237	0.03982			
3604347.54		0.49066	0.24028	0.11459	0.09897	0.05325
0.04085	0.03153	0.02944	0.02968			
3604097.54		13.96933	2.10050	0.48698	0.20143	0.11987
0.06284	0.04753	0.04250	0.03472			
3603847.54		354.70783	9.37613	2.80312	1.10255	0.34983
0.16867	0.11188	0.09356	0.05964			
3603597.54		11.28290	2.12709	1.41336	1.14964	0.79432
0.52221	0.33192	0.25876	0.14200			
3603347.54		10.95029	1.93104	0.49964	0.80036	1.79861
0.64429	1.05909	0.54669	0.22558			
3603097.54		5.71188	5.02743	0.89793	2.67708	2.04628
1.38107	1.22145	0.37116	0.19884			
3602847.54		2.92734	2.86979	3.06349	2.03020	1.58872
1.38534	1.13136	0.83482	0.15890			
3602597.54		2.00742	1.98359	1.92835	1.59803	1.38722
1.17447	0.99667	0.58697	0.12259			
3602347.54		1.52279	1.49584	1.40470	1.30360	1.20747
0.97195	0.85905	0.78172	0.55910			
3602097.54		1.16085	1.17022	1.09760	1.06493	1.00867
0.89220	0.79263	0.65215	0.58563			
3601847.54		0.92693	0.94003	0.92845	0.88348	0.83386
0.75954	0.71560	0.64073	0.53496			
3601597.54		0.76907	0.80294	0.77867	0.74569	0.69193
0.66009	0.61606	0.58879	0.48347			
3601347.54		0.64917	0.68380	0.66446	0.64233	0.58024
0.57479	0.55602	0.50654	0.42253			
3601097.54		0.56224	0.58162	0.57415	0.55583	0.51645
0.50292	0.48872	0.42300	0.42383			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP11 ***

INCLUDING SOURCE(S): TP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)		510868.86	511118.86	X-COORD (METERS)

3606097.54		0.00835	0.00747
3605847.54		0.00921	0.00821
3605597.54		0.01050	0.00943
3605347.54		0.01339	0.01083
3605097.54		0.01346	0.01292
3604847.54		0.01856	0.01934
3604597.54		0.03458	0.01942

Otay Hills Quarry AERMOD Output File (HRA)

3604347.54		0.02421	0.02070
3604097.54		0.02865	0.02463
3603847.54		0.04794	0.04251
3603597.54		0.10280	0.07156
3603347.54		0.11317	0.09036
3603097.54		0.13506	0.10383
3602847.54		0.11280	0.12136
3602597.54		0.11330	0.14329
3602347.54		0.32278	0.39764
3602097.54		0.53053	0.48018
3601847.54		0.46471	0.42113
3601597.54		0.45352	0.37879
3601347.54		0.39407	0.37257
3601097.54		0.35485	0.34884

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP11 ***
 INCLUDING SOURCE(S): TP11 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

		** CONC OF TAC	IN MICROGRAMS/M**3
**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

508226.78	3603955.63	19.84187	507708.67
3603932.32	3.53348		
506203.59	3603369.23	0.50281	507919.87
3604794.52	1.67974		
507037.89	3604916.08	1.84672	

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP12 ***
 INCLUDING SOURCE(S): TP12 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

		** CONC OF TAC	IN MICROGRAMS/M**3
**			
Y-COORD (METERS)	X-COORD (METERS)		
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86		
505618.86	505868.86 506118.86		

3606097.54		0.26411	0.29789	0.33824	0.39165	0.42565
0.50050	0.54062	0.54345	0.50547			
3605847.54		0.25947	0.29599	0.33656	0.40287	0.46866
0.53150	0.59074	0.65018	0.62483			
3605597.54		0.24971	0.28236	0.33627	0.40066	0.46601
0.54068	0.62602	0.72300	0.80874			
3605347.54		0.27989	0.28892	0.30663	0.34257	0.43013
0.51544	0.61099	0.73522	0.86417			
3605097.54		0.27952	0.31026	0.34234	0.34958	0.38516
0.44855	0.57775	0.69279	0.84094			
3604847.54		0.26644	0.29591	0.32150	0.35840	0.43281
0.43893	0.49967	0.64352	0.77294			
3604597.54		0.24988	0.27637	0.31060	0.36112	0.42899
0.44296	0.52038	0.56327	0.69936			
3604347.54		0.23601	0.25871	0.28991	0.33042	0.38450
0.44912	0.52670	0.60192	0.62485			
3604097.54		0.21992	0.24894	0.27278	0.30548	0.34817
0.40257	0.48930	0.56517	0.60493			
3603847.54		0.20332	0.22678	0.26030	0.28727	0.33060
0.38264	0.43231	0.47827	0.56323			
3603597.54		0.18994	0.20827	0.23607	0.26361	0.29048
0.33363	0.37212	0.41983	0.49409			
3603347.54		0.17954	0.19840	0.22074	0.24306	0.27051
0.30374	0.34462	0.39542	0.47379			
3603097.54		0.17234	0.18815	0.20610	0.23634	0.25640
0.28463	0.33313	0.37782	0.45736			
3602847.54		0.16575	0.18147	0.20367	0.22306	0.24730
0.27733	0.32620	0.37415	0.45150			
3602597.54		0.16220	0.17770	0.19883	0.22027	0.24616
0.27876	0.32433	0.37013	0.43262			
3602347.54		0.16037	0.17562	0.19339	0.21412	0.24329
0.27879	0.31394	0.34649	0.37899			
3602097.54		0.15881	0.17442	0.19313	0.21282	0.23646
0.25695	0.27805	0.30438	0.32841			
3601847.54		0.15848	0.17280	0.18653	0.20087	0.21700
0.23021	0.24878	0.27209	0.30562			
3601597.54		0.15470	0.16508	0.17398	0.18369	0.19435
0.20968	0.22871	0.25558	0.29134			
3601347.54		0.14616	0.15266	0.15983	0.16882	0.18238
0.19859	0.21926	0.24627	0.27752			
3601097.54		0.13551	0.14155	0.15010	0.16278	0.17621
0.19383	0.21389	0.24106	0.26970			

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP12 ***
 INCLUDING SOURCE(S): TP12 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

		** CONC OF TAC	IN MICROGRAMS/M**3
**			
Y-COORD (METERS)	X-COORD (METERS)		
507618.86	506368.86 506618.86 506868.86 507118.86 507368.86		
507868.86	508118.86 508368.86		

Otay Hills Quarry AERMOD Output File (HRA)

3606097.54		0.51556	0.53644	0.51791	0.54759	0.46760
0.33511	0.14956	0.12962	0.04525			
3605847.54		0.61330	0.62621	0.66939	0.66890	0.55301
0.39490	0.30423	0.32888	0.11879			
3605597.54		0.77844	0.76673	0.77493	0.81302	0.83988
0.52241	0.34239	0.60182	0.56942			
3605347.54		0.99381	1.08377	0.99665	0.98143	0.94874
0.85819	0.76488	0.73003	0.20725			
3605097.54		1.02470	1.24337	1.46247	1.57986	1.45411
1.40627	1.23584	0.65611	0.08710			
3604847.54		0.97144	1.23694	1.61553	2.06075	2.42691
2.54741	1.83811	1.05301	0.20524			
3604597.54		0.88780	1.15795	1.51643	2.08718	2.98051
3.97854	4.13167	1.23432	0.25267			
3604347.54		0.81384	1.00667	1.27774	1.80412	2.75048
4.29851	6.84160	7.90457	2.13429			
3604097.54		0.68224	0.88368	1.18847	1.63431	2.19074
3.44007	6.65050	14.44421	24.94562			
3603847.54		0.65635	0.74181	0.94921	1.20495	1.73406
2.63505	4.54007	8.68893	33.25890			
3603597.54		0.61531	0.72757	0.88290	1.14487	1.47084
2.14101	3.63669	5.89939	14.63594			
3603347.54		0.56720	0.69142	0.82166	1.08698	1.50106
1.84900	2.56669	4.01174	7.55844			
3603097.54		0.55272	0.67197	0.81659	0.98304	1.16515
1.44468	2.04989	2.92040	4.12534			
3602847.54		0.54368	0.64014	0.71062	0.81398	0.97914
1.23603	1.65807	2.16264	2.58090			
3602597.54		0.49314	0.52034	0.60374	0.73288	0.87203
1.08138	1.34959	1.59374	1.87062			
3602347.54		0.40687	0.46207	0.54532	0.65790	0.78747
0.91392	1.08268	1.23334	1.39242			
3602097.54		0.36774	0.42041	0.50409	0.58759	0.68325
0.78197	0.89560	0.98707	1.07859			
3601847.54		0.34726	0.40049	0.47163	0.52842	0.59458
0.67456	0.75483	0.81079	0.87913			
3601597.54		0.33063	0.37938	0.43005	0.47409	0.52766
0.58857	0.64235	0.69083	0.72683			
3601347.54		0.31459	0.35498	0.39216	0.43317	0.47854
0.51676	0.56029	0.59063	0.62490			
3601097.54		0.30045	0.33043	0.36124	0.39630	0.43188
0.46002	0.48596	0.51835	0.54728			

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP12
INCLUDING SOURCE(S): TP12 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)		X-COORD (METERS)
509868.86	510118.86	509368.86
	510368.86	509618.86

3606097.54		0.03339	0.03517	0.02096	0.03737	0.01949
0.01303	0.01143	0.01095	0.00934			
3605847.54		0.09947	0.13988	0.03104	0.15096	0.02634
0.02009	0.01438	0.01296	0.01070			
3605597.54		0.57822	0.22847	0.14958	0.14843	0.09951
0.05139	0.01875	0.01286	0.01148			
3605347.54		0.12030	0.30243	0.22245	0.21630	0.22521
0.03318	0.02126	0.01549	0.01523			
3605097.54		0.06554	0.06995	0.05261	0.03644	0.04334
0.10227	0.02652	0.02155	0.01580			
3604847.54		0.08616	0.05119	0.04302	0.03443	0.03120
0.03038	0.03795	0.03311	0.02431			
3604597.54		0.14197	0.08938	0.05750	0.04483	0.03440
0.02873	0.03132	0.03273	0.04036			
3604347.54		0.50266	0.24476	0.11524	0.10061	0.05426
0.04127	0.03178	0.02983	0.03018			
3604097.54		14.89972	2.15364	0.51260	0.20994	0.12375
0.06440	0.04843	0.04318	0.03519			
3603847.54		315.36129	9.92722	2.92057	1.14296	0.36516
0.17476	0.11528	0.09605	0.06099			
3603597.54		10.81998	1.98851	1.34012	1.12872	0.79000
0.52219	0.33356	0.26075	0.14383			
3603347.54		10.56527	1.88479	0.48246	0.77671	1.76299
0.63442	1.04868	0.54422	0.22518			
3603097.54		5.58036	4.90285	0.88575	2.63464	2.01730
1.35894	1.20426	0.36700	0.19709			
3602847.54		2.87960	2.81787	3.00843	2.00356	1.57159
1.37050	1.11931	0.82425	0.15645			
3602597.54		1.98149	1.95419	1.90162	1.57807	1.37333
1.16407	0.98839	0.58250	0.12122			
3602347.54		1.50689	1.47737	1.38805	1.28911	1.19577
0.96413	0.85281	0.77607	0.55561			
3602097.54		1.15045	1.15789	1.08615	1.05451	0.99940
0.88520	0.78650	0.64745	0.58222			
3601847.54		0.91970	0.93142	0.91999	0.87577	0.82689
0.75374	0.71083	0.63646	0.53208			
3601597.54		0.76381	0.79658	0.77232	0.73983	0.68668
0.65529	0.61209	0.58533	0.48102			
3601347.54		0.64521	0.67900	0.65958	0.63774	0.57618
0.57093	0.55251	0.50373	0.42038			
3601097.54		0.55916	0.57794	0.57031	0.55219	0.51315
0.49982	0.48579	0.42060	0.42176			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP12
INCLUDING SOURCE(S): TP12 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)		X-COORD (METERS)
510868.86	511118.86	

3606097.54 | 0.00836 0.00748

Otay Hills Quarry AERMOD Output File (HRA)

3605847.54	0.00922	0.00822
3605597.54	0.01052	0.00943
3605347.54	0.01341	0.01087
3605097.54	0.01357	0.01305
3604847.54	0.01871	0.01946
3604597.54	0.03494	0.01954
3604347.54	0.02457	0.02095
3604097.54	0.02899	0.02490
3603847.54	0.04891	0.04327
3603597.54	0.10422	0.07257
3603347.54	0.11338	0.09071
3603097.54	0.13427	0.10351
3602847.54	0.11133	0.12032
3602597.54	0.11174	0.14167
3602347.54	0.32084	0.39452
3602097.54	0.52764	0.47754
3601847.54	0.46236	0.41917
3601597.54	0.45131	0.37708
3601347.54	0.39229	0.37097
3601097.54	0.35323	0.34741

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP12 ***
 INCLUDING SOURCE(S): TP12 ,
 *** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

		** CONC OF TAC	IN MICROGRAMS/M**3
**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

508226.78	3603955.63	19.97562	507708.67
3603932.32	3.52060		
506203.59	3603369.23	0.50320	507919.87
3604794.52	1.71100		
507037.89	3604916.08	1.86659	

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP13 ***
 INCLUDING SOURCE(S): TP13 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	504118.86	504368.86	504618.86	504868.86	505118.86
505368.86	505618.86	505868.86	506118.86		

3606097.54	0.26422	0.29810	0.33866	0.39242	0.42692
0.50247	0.54327	0.54663	0.50895		
3605847.54	0.25958	0.29607	0.33670	0.40320	0.46938
0.53288	0.59302	0.65352	0.62888		
3605597.54	0.25002	0.28261	0.33644	0.40080	0.46625
0.54126	0.62735	0.72562	0.81302		
3605347.54	0.28026	0.28934	0.30708	0.34298	0.43045
0.51570	0.61142	0.73634	0.86684		
3605097.54	0.27963	0.31050	0.34273	0.35011	0.38581
0.44923	0.57837	0.69331	0.84177		
3604847.54	0.26631	0.29580	0.32146	0.35848	0.43310
0.43949	0.50054	0.64465	0.77411		
3604597.54	0.24978	0.27623	0.31042	0.36090	0.42875
0.44276	0.52032	0.56360	0.70023		
3604347.54	0.23591	0.25861	0.28978	0.33026	0.38430
0.44885	0.52634	0.60143	0.62441		
3604097.54	0.21969	0.24868	0.27249	0.30515	0.34779
0.40212	0.48878	0.56454	0.60423		
3603847.54	0.20304	0.22645	0.25990	0.28680	0.33004
0.38196	0.43149	0.47730	0.56200		
3603597.54	0.18979	0.20812	0.23590	0.26342	0.29028
0.33340	0.37186	0.41955	0.49376		
3603347.54	0.17952	0.19837	0.22070	0.24301	0.27045
0.30367	0.34457	0.39542	0.47393		
3603097.54	0.17230	0.18812	0.20608	0.23634	0.25646
0.28478	0.33343	0.37831	0.45816		
3602847.54	0.16578	0.18154	0.20381	0.22326	0.24759
0.27771	0.32675	0.37490	0.45239		
3602597.54	0.16235	0.17789	0.19906	0.22056	0.24654
0.27926	0.32487	0.37035	0.43190		
3602347.54	0.16054	0.17584	0.19367	0.21447	0.24364
0.27893	0.31356	0.34545	0.37766		
3602097.54	0.15903	0.17468	0.19337	0.21292	0.23625
0.25634	0.27718	0.30359	0.32810		
3601847.54	0.15866	0.17287	0.18640	0.20049	0.21639
0.22958	0.24837	0.27201	0.30581		
3601597.54	0.15462	0.16481	0.17355	0.18321	0.19396
0.20948	0.22872	0.25575	0.29164		
3601347.54	0.14584	0.15228	0.15947	0.16858	0.18229
0.19863	0.21940	0.24650	0.27780		
3601097.54	0.13520	0.14130	0.14997	0.16275	0.17627
0.19395	0.21407	0.24129	0.26987		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP13 ***
 INCLUDING SOURCE(S): TP13 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	506368.86	506618.86	506868.86	X-COORD (METERS)	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54	0.51917	0.54011	0.52164	0.55190	0.47100	
0.33733	0.15003	0.12994	0.04539			
3605847.54	0.61803	0.63117	0.67458	0.67449	0.55822	
0.39788	0.30599	0.33077	0.11908			
3605597.54	0.78390	0.77339	0.78201	0.82036	0.84908	
0.52735	0.34464	0.60677	0.57426			
3605347.54	0.99901	1.09186	1.00649	0.99215	0.95940	
0.86783	0.77237	0.73679	0.20203			
3605097.54	1.02701	1.24931	1.47419	1.59729	1.47236	
1.42487	1.25228	0.66249	0.08771			
3604847.54	0.97254	1.23877	1.62156	2.07771	2.45955	
2.59031	1.87200	1.06768	0.20665			
3604597.54	0.88943	1.16035	1.51915	2.09229	3.00211	
4.04435	4.22633	1.25555	0.25644			
3604347.54	0.81332	1.00665	1.27915	1.80818	2.75850	
4.31897	6.96512	8.17593	2.17903			
3604097.54	0.68150	0.88256	1.18674	1.63176	2.18789	
3.44033	6.67557	14.63873	26.77770			
3603847.54	0.65481	0.73994	0.94656	1.20118	1.72781	
2.62378	4.51628	8.63219	33.11959			
3603597.54	0.61493	0.72718	0.88262	1.14511	1.47286	
2.14846	3.64943	5.85744	14.51002			
3603347.54	0.56764	0.69244	0.82359	1.09040	1.50333	
1.84043	2.56335	4.00996	7.43661			
3603097.54	0.55397	0.67362	0.81736	0.97997	1.15993	
1.44614	2.05194	2.90431	4.07102			
3602847.54	0.54403	0.63864	0.70748	0.81217	0.98061	
1.23772	1.65338	2.14814	2.55359			
3602597.54	0.49125	0.51863	0.60333	0.73396	0.87327	
1.07974	1.34470	1.58275	1.85427			
3602347.54	0.40608	0.46214	0.54608	0.65880	0.78694	
0.91158	1.07828	1.22544	1.38203			
3602097.54	0.36793	0.42095	0.50474	0.58753	0.68192	
0.77990	0.89165	0.98138	1.07155			
3601847.54	0.34766	0.40097	0.47174	0.52767	0.59331	
0.67265	0.75148	0.80658	0.87404			
3601597.54	0.33100	0.37955	0.42964	0.47321	0.52658	
0.58674	0.63962	0.68758	0.72305			
3601347.54	0.31477	0.35478	0.39154	0.43239	0.47752	
0.51506	0.55806	0.58808	0.62196			
3601097.54	0.30037	0.33001	0.36063	0.39562	0.43086	
0.45850	0.48417	0.51627	0.54492			

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP13
INCLUDING SOURCE(S): TP13 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	508618.86	508868.86	509118.86	X-COORD (METERS)	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54	0.03349	0.03531	0.02100	0.03754	0.01954	
0.01306	0.01147	0.01097	0.00934			
3605847.54	0.09957	0.14086	0.03117	0.15181	0.02641	
0.02019	0.01440	0.01296	0.01069			
3605597.54	0.58297	0.23016	0.15028	0.14963	0.10076	
0.05090	0.01874	0.01285	0.01149			
3605347.54	0.12043	0.30432	0.22373	0.21867	0.22591	
0.03308	0.02114	0.01555	0.01527			
3605097.54	0.06603	0.07036	0.05293	0.03670	0.04317	
0.10342	0.02676	0.02166	0.01584			
3604847.54	0.08698	0.05177	0.04326	0.03451	0.03113	
0.03064	0.03827	0.03327	0.02446			
3604597.54	0.14395	0.09040	0.05781	0.04489	0.03459	
0.02902	0.03165	0.03305	0.04084			
3604347.54	0.51407	0.24753	0.11633	0.10195	0.05509	
0.04161	0.03201	0.03018	0.03060			
3604097.54	15.71892	2.21142	0.53780	0.21739	0.12702	
0.06569	0.04919	0.04375	0.03559			
3603847.54	266.62885	10.32027	3.02020	1.17784	0.37787	
0.17983	0.11811	0.09813	0.06212			
3603597.54	10.54733	1.89094	1.28325	1.11172	0.78676	
0.52233	0.33487	0.26236	0.14530			
3603347.54	10.25943	1.85584	0.46984	0.75980	1.73867	
0.62736	1.04229	0.54329	0.22495			
3603097.54	5.47377	4.80358	0.87904	2.60295	1.99417	
1.34335	1.19157	0.36418	0.19574			
3602847.54	2.84085	2.77582	2.96494	1.98165	1.55734	
1.35885	1.10964	0.81669	0.15457			
3602597.54	1.96036	1.93039	1.87962	1.56177	1.36175	
1.15539	0.98158	0.58006	0.12022			
3602347.54	1.49374	1.46233	1.37441	1.27716	1.18601	
0.95759	0.84756	0.77151	0.55346			
3602097.54	1.14186	1.14780	1.07679	1.04587	0.99167	
0.87933	0.78213	0.64421	0.57933			
3601847.54	0.91372	0.92435	0.91299	0.86936	0.82107	
0.74890	0.70680	0.63333	0.52963			
3601597.54	0.75943	0.79129	0.76705	0.73495	0.68232	
0.65129	0.60875	0.58241	0.47893			
3601347.54	0.64190	0.67498	0.65550	0.63391	0.57282	
0.56770	0.54956	0.50135	0.41859			
3601097.54	0.55657	0.57486	0.56711	0.54914	0.51040	
0.49721	0.48332	0.41863	0.41999			

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP13
INCLUDING SOURCE(S): TP13 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	510868.86	511118.86	X-COORD (METERS)
3606097.54	0.00836	0.00748	
3605847.54	0.00923	0.00824	
3605597.54	0.01055	0.00943	
3605347.54	0.01343	0.01090	
3605097.54	0.01366	0.01316	
3604847.54	0.01884	0.01955	
3604597.54	0.03526	0.01965	
3604347.54	0.02487	0.02115	
3604097.54	0.02928	0.02513	
3603847.54	0.04971	0.04391	
3603597.54	0.10537	0.07338	
3603347.54	0.11355	0.09099	
3603097.54	0.13364	0.10325	
3602847.54	0.11016	0.11952	
3602597.54	0.11056	0.14048	
3602347.54	0.31993	0.39260	
3602097.54	0.52522	0.47537	
3601847.54	0.46035	0.41750	
3601597.54	0.44944	0.37562	
3601347.54	0.39078	0.36960	
3601097.54	0.35188	0.34619	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP13
 INCLUDING SOURCE(S): TP13 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***
 ** CONC OF TAC IN MICROGRAMS/M**3

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	20.01501	507708.67	
3603932.32	3.50654			
506203.59	3603369.23	0.50335	507919.87	
3604794.52	1.74242			
507037.89	3604916.08	1.88160		

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP14
 INCLUDING SOURCE(S): TP14 ,

GRIDCART ***
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 ** CONC OF TAC IN MICROGRAMS/M**3
 Y-COORD (METERS) | 504118.86 504368.86 504618.86 504868.86 505118.86
 505368.86 505618.86 505868.86 506118.86

3606097.54	0.26418	0.29815	0.33891	0.39306	0.42808
0.50445	0.54603	0.54998	0.51260		
3605847.54	0.25958	0.29603	0.33668	0.40337	0.46995
0.53414	0.59527	0.65697	0.63305		
3605597.54	0.25024	0.28275	0.33651	0.40081	0.46631
0.54164	0.62848	0.72813	0.81740		
3605347.54	0.28059	0.28969	0.30741	0.34325	0.43063
0.51577	0.61157	0.73713	0.86923		
3605097.54	0.27968	0.31067	0.34304	0.35051	0.38630
0.44971	0.57879	0.69353	0.84214		
3604847.54	0.26611	0.29561	0.32130	0.35843	0.43325
0.43982	0.50113	0.64556	0.77496		
3604597.54	0.24962	0.27602	0.31016	0.36056	0.42834
0.44235	0.52000	0.56351	0.70063		
3604347.54	0.23576	0.25843	0.28958	0.33001	0.38399
0.44843	0.52577	0.60068	0.62346		
3604097.54	0.21941	0.24835	0.27211	0.30472	0.34729
0.40152	0.48803	0.56365	0.60317		
3603847.54	0.20271	0.22607	0.25944	0.28627	0.32938
0.38114	0.43051	0.47615	0.56054		
3603597.54	0.18962	0.20793	0.23569	0.26318	0.29001
0.33309	0.37151	0.41913	0.49327		
3603347.54	0.17947	0.19831	0.22062	0.24291	0.27033
0.30353	0.34443	0.39532	0.47394		
3603097.54	0.17224	0.18805	0.20601	0.23631	0.25647
0.28487	0.33366	0.37871	0.45882		
3602847.54	0.16579	0.18159	0.20391	0.22343	0.24783
0.27804	0.32722	0.37555	0.45311		
3602597.54	0.16248	0.17805	0.19926	0.22081	0.24688
0.27969	0.32531	0.37041	0.43099		
3602347.54	0.16069	0.17602	0.19392	0.21478	0.24392
0.27898	0.31307	0.34433	0.37629		
3602097.54	0.15922	0.17490	0.19357	0.21296	0.23598
0.25568	0.27627	0.30278	0.32774		
3601847.54	0.15881	0.17291	0.18623	0.20006	0.21576
0.22895	0.24794	0.27187	0.30592		
3601597.54	0.15451	0.16452	0.17311	0.18271	0.19355
0.20926	0.22869	0.25585	0.29184		
3601347.54	0.14551	0.15189	0.15911	0.16834	0.18218
0.19864	0.21949	0.24665	0.27799		
3601097.54	0.13489	0.14106	0.14982	0.16270	0.17630
0.19402	0.21419	0.24144	0.26995		

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP14
 INCLUDING SOURCE(S): TP14 ,

GRIDCART ***		*** NETWORK ID: UCART1			; NETWORK TYPE:	
**		** CONC OF TAC			IN MICROGRAMS/M**3	
Y-COORD (METERS)					X-COORD (METERS)	
507618.86	507868.86	506368.86	506618.86	506868.86	507118.86	507368.86

3606097.54	0.15023	0.52302	0.54414	0.52588	0.55690	0.47485
0.33940	0.62296	0.13004	0.04551			
3605847.54	0.30740	0.62296	0.63646	0.68035	0.68097	0.56401
0.40068	0.78949	0.33260	0.11917			
3605597.54	0.34621	0.78949	0.78033	0.78957	0.82852	0.85937
0.53246	1.00417	0.61222	0.57951			
3605347.54	0.78105	1.00417	1.10029	1.01672	1.00355	0.97103
0.87914	0.74445	0.74445	0.20217			
3605097.54	1.02877	1.02877	1.25486	1.48620	1.61607	1.49233
1.44609	0.66803	0.66803	0.08841			
3604847.54	0.97313	0.97313	1.23973	1.62651	2.09434	2.49406
2.63671	1.08119	1.08119	0.20804			
3604597.54	0.89057	0.89057	1.16215	1.52083	2.09537	3.02110
4.11082	1.27615	1.27615	0.26063			
3604347.54	0.81221	0.81221	1.00572	1.27919	1.81050	2.76362
4.33256	8.48256	8.48256	2.21919			
3604097.54	0.68017	0.68017	0.88071	1.18401	1.62758	2.18183
3.43385	14.77803	14.77803	28.98795			
3603847.54	0.65294	0.65294	0.73747	0.94309	1.19607	1.71961
2.60907	8.55181	8.55181	32.89550			
3603597.54	0.61430	0.61430	0.72648	0.88191	1.14473	1.47386
2.15389	5.80463	5.80463	14.30130			
3603347.54	0.56790	0.56790	0.69318	0.82513	1.09307	1.50363
1.82955	3.99669	3.99669	7.30507			
3603097.54	0.55502	0.55502	0.67492	0.81747	0.97608	1.15432
1.44648	2.88364	2.88364	4.01442			
3602847.54	0.54406	0.54406	0.63672	0.70411	0.81017	0.98140
1.23790	2.13165	2.13165	2.52508			
3602597.54	0.48920	0.48920	0.51684	0.60276	0.73458	0.87375
1.07714	1.57081	1.57081	1.83736			
3602347.54	0.40523	0.40523	0.46206	0.54655	0.65925	0.78586
0.90865	1.21703	1.21703	1.37127			
3602097.54	0.36800	0.36800	0.42130	0.50510	0.58711	0.68023
0.77740	0.97537	0.97537	1.06423			
3601847.54	0.34792	0.34792	0.40126	0.47161	0.52669	0.59178
0.67043	0.80215	0.80215	0.86878			
3601597.54	0.33123	0.33123	0.37956	0.42907	0.47217	0.52528
0.58470	0.68420	0.68420	0.71915			
3601347.54	0.31483	0.31483	0.35446	0.39081	0.43148	0.47634
0.51323	0.58543	0.58543	0.61895			
3601097.54	0.30020	0.30020	0.32950	0.35995	0.39485	0.42974
0.45690	0.51414	0.51414	0.54252			

*** AERMOD - VERSION 18081 ***

Hills\Otay Hills.isc

*** AERMET - VERSION 18081 ***

*** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay

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3 YEARS FOR SOURCE	*** THE ANNUAL AVERAGE CONCENTRATION GROUP: TP14	VALUES AVERAGED OVER ***
	INCLUDING SOURCE(S):	TP14

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 *** MODELOPTS: RegDEFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP14 ***
 INCLUDING SOURCE(S): TP14

Otay Hills Quarry AERMOD Output File (HRA)

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER

3 YEARS FOR SOURCE GROUP: TP15

*** INCLUDING SOURCE(S): TP15 ,

Y-COORD (METERS)	CONC	X-COORD (METERS)
510868.86	511118.86	
3606097.54	0.00836	0.00749
3605847.54	0.00924	0.00825
3605597.54	0.01057	0.00943
3605347.54	0.01345	0.01095
3605097.54	0.01376	0.01327
3604847.54	0.01896	0.01964
3604597.54	0.03558	0.01978
3604347.54	0.02518	0.02136
3604097.54	0.02961	0.02538
3603847.54	0.05058	0.04460
3603597.54	0.10662	0.07427
3603347.54	0.11378	0.09131
3603097.54	0.13303	0.10301
3602847.54	0.10894	0.11867
3602597.54	0.10931	0.13913
3602347.54	0.31843	0.39031
3602097.54	0.52319	0.47350
3601847.54	0.45869	0.41612
3601597.54	0.44791	0.37441
3601347.54	0.38955	0.36849
3601097.54	0.35074	0.34520

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER

3 YEARS FOR SOURCE GROUP: TP14

*** INCLUDING SOURCE(S): TP14 ,

POINTS ***

*** DISCRETE CARTESIAN RECEPTOR

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	19.91847	507708.67
3603932.32	3.48581		
506203.59	3603369.23	0.50335	507919.87
3604794.52	1.77441		
507037.89	3604916.08	1.89649	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 ***

*** 16:35:25

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER

3 YEARS FOR SOURCE GROUP: TP15

*** INCLUDING SOURCE(S): TP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

Y-COORD (METERS)	CONC	X-COORD (METERS)
504118.86	504368.86	504618.86
505368.86	505618.86	505868.86
506118.86		
3606097.54	0.26294	0.29675
0.50337	0.54554	0.51419
3605847.54	0.25839	0.29451
0.53174	0.59341	0.63368
3605597.54	0.24932	0.28152
0.53805	0.62473	0.81519
3605347.54	0.27944	0.28855
0.51213	0.60690	0.86361
3605097.54	0.27833	0.30916
0.44732	0.57477	0.83459
3604847.54	0.26467	0.29395
0.43742	0.49836	0.64119
3604597.54	0.24834	0.27451
0.43927	0.51616	0.55955
3604347.54	0.23459	0.25708
0.44524	0.52169	0.61822
3604097.54	0.21828	0.24699
0.39868	0.48429	0.55895
3603847.54	0.20168	0.22484
0.37842	0.42721	0.47224
3603597.54	0.18874	0.20691
0.33100	0.36903	0.41615
3603347.54	0.17870	0.19740
0.30177	0.34228	0.39267
3603097.54	0.17152	0.18722
0.28333	0.33170	0.37635
3602847.54	0.16512	0.18083
0.27661	0.32537	0.37326
3602597.54	0.16186	0.17733
0.27826	0.32349	0.36817
3602347.54	0.16009	0.17533
0.27755	0.31135	0.34234
3602097.54	0.15863	0.17422
0.25443	0.27485	0.30112
3601847.54	0.15822	0.17224
0.22789	0.24671	0.27040
3601597.54	0.15395	0.16390
0.20830	0.22756	0.25448
3601347.54	0.14500	0.15134
0.19773	0.21842	0.24535
3601097.54	0.13443	0.14055
0.19314	0.21315	0.24018

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 ***

*** 16:35:25

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP15      ***
      INCLUDING SOURCE(S):      TP15      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          507118.86  507368.86
507618.86  507868.86  508118.86  508368.86
-----
      3606097.54 | 0.52490  0.54599  0.52880  0.56228  0.47944
0.34193  0.15346 | 0.13252  0.04593
      3605847.54 | 0.62505  0.63908  0.68303  0.68571  0.57547
0.40544  0.31257 | 0.33814  0.12155
      3605597.54 | 0.78985  0.78309  0.79343  0.83288  0.87344
0.54480  0.35186 | 0.61575  0.58149
      3605347.54 | 0.99992  1.09894  1.02033  1.00967  0.97911
0.89111  0.78771 | 0.74856  0.20800
      3605097.54 | 1.01984  1.24651  1.48173  1.61886  1.50138
1.46056  1.29241 | 0.68274  0.08977
      3604847.54 | 0.96379  1.22624  1.60981  2.08135  2.49657
2.66003  1.97461 | 1.10792  0.21333
      3604597.54 | 0.88310  1.15079  1.50267  2.06588  2.98479
4.10779  4.38693 | 1.35231  0.26737
      3604347.54 | 0.80423  0.99505  1.26472  1.78685  2.71865
4.24512  7.00294 | 8.62562  2.33212
      3604097.54 | 0.67401  0.87136  1.16901  1.60302  2.14368
3.35971  6.49494 | 14.21427  30.19728
      3603847.54 | 0.64658  0.72991  0.93196  1.18000  1.69111
2.55451  4.35888 | 8.21172  30.31187
      3603597.54 | 0.60894  0.71951  0.87254  1.13082  1.45364
2.11798  3.57167 | 5.62971  13.63656
      3603347.54 | 0.56337  0.68711  0.81718  1.08085  1.48364
1.80159  2.50837 | 3.89999  7.12024
      3603097.54 | 0.55083  0.66925  0.80972  0.96574  1.14060
1.42571  2.01594 | 2.83237  3.94783
      3602847.54 | 0.54004  0.63159  0.69795  0.80219  0.97003
1.22201  1.62478 | 2.10297  2.49415
      3602597.54 | 0.48582  0.51299  0.59766  0.72740  0.86444
1.06556  1.32355 | 1.55463  1.81882
      3602347.54 | 0.40256  0.45865  0.54200  0.65323  0.77861
0.90023  1.06313 | 1.20670  1.35976
      3602097.54 | 0.36559  0.41826  0.50112  0.58242  0.67483
0.77095  0.88039 | 0.96823  1.05661
      3601847.54 | 0.34568  0.39847  0.46822  0.52303  0.58753
0.66552  0.74290 | 0.79696  0.86327
      3601597.54 | 0.32916  0.37711  0.42636  0.46918  0.52178
0.58097  0.63298 | 0.68016  0.71507
      3601347.54 | 0.31299  0.35241  0.38858  0.42889  0.47340
0.51036  0.55273 | 0.58231  0.61570
      3601097.54 | 0.29858  0.32777  0.35800  0.39258  0.42735
0.45459  0.47991 | 0.51160  0.53986

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP15      ***
      INCLUDING SOURCE(S):      TP15      ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          509868.86  509618.86
509868.86  510118.86  510368.86  510618.86
-----
      3606097.54 | 0.03385  0.03566  0.02120  0.03795  0.01969
0.01315  0.01157 | 0.01104  0.00938
      3605847.54 | 0.10142  0.14313  0.03151  0.15432  0.02665
0.02037  0.01450 | 0.01302  0.01074
      3605597.54 | 0.59116  0.23451  0.15314  0.15244  0.10277
0.05120  0.01885 | 0.01292  0.01156
      3605347.54 | 0.12309  0.31116  0.22850  0.22353  0.22978
0.03331  0.02122 | 0.01569  0.01539
      3605097.54 | 0.06738  0.07180  0.05380  0.03724  0.04356
0.10596  0.02717 | 0.02191  0.01598
      3604847.54 | 0.08920  0.05289  0.04406  0.03498  0.03144
0.03116  0.03893 | 0.03371  0.02481
      3604597.54 | 0.14901  0.09304  0.05902  0.04565  0.03517
0.02961  0.03227 | 0.03373  0.04173
      3604347.54 | 0.54181  0.25719  0.12044  0.10508  0.05675
0.04246  0.03263 | 0.03100  0.03138
      3604097.54 | 17.61776  2.38653  0.58543  0.23187  0.13354
0.06828  0.05076 | 0.04497  0.03647
      3603847.54 | 235.19853  11.46336  3.28558  1.26437  0.40551
0.19068  0.12407 | 0.10247  0.06445
      3603597.54 | 10.40753  1.77618  1.20808  1.10630  0.79624
0.53091  0.34136 | 0.26791  0.14915
      3603347.54 | 9.81744  1.85318  0.45307  0.74142  1.72655
0.62364  1.04661 | 0.54899  0.22681
      3603097.54 | 5.30348  4.69869  0.89120  2.60405  1.98347
1.33580  1.18328 | 0.36297  0.19494
      3602847.54 | 2.77571  2.72788  2.79096  1.97097  1.55252
1.35573  1.10367 | 0.81188  0.15202
      3602597.54 | 1.92354  1.90194  1.85522  1.54652  1.35697
1.15252  0.97906 | 0.58328  0.11913
      3602347.54 | 1.46987  1.44338  1.35915  1.26322  1.17882
0.95523  0.84574 | 0.77013  0.55588
      3602097.54 | 1.12605  1.13450  1.06589  1.03622  0.98305
0.87594  0.78335 | 0.64509  0.57804
      3601847.54 | 0.90253  0.91467  0.90439  0.86215  0.81403
0.74446  0.70476 | 0.63390  0.52872
      3601597.54 | 0.75107  0.78361  0.76044  0.72910  0.67741
0.64645  0.60632 | 0.58104  0.47821
      3601347.54 | 0.63548  0.66891  0.65029  0.62907  0.56918
0.56372  0.54633 | 0.49993  0.41789
      3601097.54 | 0.55145  0.57007  0.56290  0.54522  0.50720
0.49425  0.48015 | 0.41697  0.41907

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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Otay Hills Quarry AERMOD Output File (HRA)

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP15 ***
INCLUDING SOURCE(S): TP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54	0.00840	0.00751
3605847.54	0.00928	0.00828
3605597.54	0.01061	0.00947
3605347.54	0.01351	0.01099
3605097.54	0.01388	0.01333
3604847.54	0.01907	0.01975
3604597.54	0.03593	0.01991
3604347.54	0.02541	0.02152
3604097.54	0.02992	0.02563
3603847.54	0.05136	0.04522
3603597.54	0.10819	0.07528
3603347.54	0.11477	0.09212
3603097.54	0.13353	0.10348
3602847.54	0.10860	0.11874
3602597.54	0.10891	0.13900
3602347.54	0.32164	0.39281
3602097.54	0.52430	0.47446
3601847.54	0.45941	0.41677
3601597.54	0.44874	0.37493
3601347.54	0.39029	0.36907
3601097.54	0.35136	0.34576

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP15 ***
INCLUDING SOURCE(S): TP15 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	18.76003	507708.67
3603932.32	3.40113		
506203.59	3603369.23	0.49954	507919.87
3604794.52	1.84976		
507037.89	3604916.08	1.88627	

508226.78	3603955.63	18.76003	507708.67
3603932.32	3.40113		
506203.59	3603369.23	0.49954	507919.87
3604794.52	1.84976		
507037.89	3604916.08	1.88627	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP16 ***
INCLUDING SOURCE(S): TP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86

3606097.54	0.26239	0.29612	0.33670	0.39075	0.42625
0.50280	0.54521	0.55050	0.51477		
3605847.54	0.25786	0.29383	0.33403	0.40004	0.46626
0.53060	0.59248	0.65532	0.63380		
3605597.54	0.24891	0.28097	0.33389	0.39720	0.46182
0.53643	0.62299	0.72314	0.81403		
3605347.54	0.27892	0.28803	0.30562	0.34095	0.42686
0.51050	0.60481	0.72899	0.86098		
3605097.54	0.27772	0.30848	0.34062	0.34824	0.38373
0.44624	0.57297	0.68535	0.83120		
3604847.54	0.26404	0.29321	0.31867	0.35546	0.42943
0.43633	0.49710	0.63920	0.76608		
3604597.54	0.24777	0.27384	0.30752	0.35723	0.42409
0.43791	0.51445	0.55777	0.69293		
3604347.54	0.23406	0.25648	0.28725	0.32715	0.38036
0.44383	0.51988	0.59331	0.61591		
3604097.54	0.21779	0.24639	0.26986	0.30204	0.34401
0.39743	0.48264	0.55687	0.59561		
3603847.54	0.20122	0.22431	0.25725	0.28372	0.32623
0.37724	0.42576	0.47054	0.55332		
3603597.54	0.18835	0.20646	0.23391	0.26107	0.28757
0.33007	0.36793	0.41484	0.48773		
3603347.54	0.17836	0.19700	0.21908	0.24111	0.26820
0.30099	0.34133	0.39149	0.46891		
3603097.54	0.17120	0.18685	0.20464	0.23460	0.25455
0.28264	0.33081	0.37528	0.45423		
3602847.54	0.16482	0.18049	0.20260	0.22193	0.24607
0.27595	0.32452	0.37222	0.44867		
3602597.54	0.16157	0.17701	0.19802	0.21935	0.24515
0.27760	0.32266	0.36717	0.42694		
3602347.54	0.15981	0.17501	0.19274	0.21341	0.24225
0.27691	0.31060	0.34149	0.37302		
3602097.54	0.15836	0.17391	0.19241	0.21161	0.23439
0.25389	0.27425	0.30041	0.32493		
3601847.54	0.15796	0.17194	0.18514	0.19885	0.21439
0.22743	0.24617	0.26975	0.30329		
3601597.54	0.15370	0.16363	0.17215	0.18165	0.19237
0.20788	0.22705	0.25386	0.28937		
3601347.54	0.14478	0.15111	0.15826	0.16737	0.18106
0.19732	0.21793	0.24475	0.27570		
3601097.54	0.13424	0.14034	0.14901	0.16175	0.17520
0.19274	0.21267	0.23961	0.26783		

Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP16 ***
 INCLUDING SOURCE(S): TP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)	507118.86	507368.86	507618.86	507868.86	508118.86	508368.86
3606097.54	0.15493	0.52562	0.54669	0.52996	0.56453	0.48142	
0.34301	0.15493	0.13363	0.04651				
3605847.54	0.62581	0.64008	0.68404	0.68760	0.58047		
0.40757	0.31481	0.34060	0.12267				
3605597.54	0.78978	0.78406	0.79491	0.83455	0.87932		
0.55039	0.35430	0.61716	0.58223				
3605347.54	0.99778	1.09798	1.02155	1.01203	0.98230		
0.89613	0.79054	0.75016	0.21069				
3605097.54	1.01576	1.24250	1.47920	1.61936	1.50475		
1.46625	1.30116	0.68902	0.09037				
3604847.54	0.95961	1.22018	1.60209	2.07474	2.49617		
2.66877	2.00317	1.12012	0.21569				
3604597.54	0.87972	1.14566	1.49455	2.05261	2.96755		
4.10306	4.40944	1.38760	0.27032				
3604347.54	0.80070	0.99031	1.25825	1.77623	2.69856		
4.20578	6.95936	8.67628	2.38365				
3604097.54	0.67130	0.86725	1.16243	1.59226	2.12698		
3.32714	6.41142	13.96150	30.60774				
3603847.54	0.64380	0.72662	0.92711	1.17302	1.67876		
2.53096	4.30484	8.06760	29.25175				
3603597.54	0.60657	0.71642	0.86838	1.12464	1.44462		
2.10189	3.53549	5.55515	13.35640				
3603347.54	0.56133	0.68436	0.81357	1.07532	1.47475		
1.78957	2.48652	3.85782	7.04279				
3603097.54	0.54892	0.66667	0.80626	0.96127	1.13469		
1.41647	2.00063	2.81030	3.92012				
3602847.54	0.53824	0.62936	0.69532	0.79869	0.96494		
1.21492	1.61516	2.09071	2.48133				
3602597.54	0.48438	0.51133	0.59540	0.72417	0.86027		
1.06047	1.31697	1.54779	1.81112				
3602347.54	0.40139	0.45712	0.53995	0.65052	0.77541		
0.89657	1.05880	1.20237	1.35499				
3602097.54	0.36451	0.41689	0.49932	0.58034	0.67248		
0.76814	0.87744	0.96523	1.05346				
3601847.54	0.34466	0.39721	0.46671	0.52143	0.58568		
0.66340	0.74078	0.79479	0.86098				
3601597.54	0.32823	0.37602	0.42516	0.46788	0.52025		
0.57937	0.63139	0.67847	0.71338				
3601347.54	0.31216	0.35150	0.38761	0.42775	0.47212		
0.50913	0.55145	0.58099	0.61436				
3601097.54	0.29787	0.32702	0.35716	0.39159	0.42632		
0.45361	0.47889	0.51053	0.53875				

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP16 ***
 INCLUDING SOURCE(S): TP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)	508618.86	508868.86	509118.86	509368.86	509618.86
3606097.54	0.03395	0.03575	0.02127	0.03807	0.01974	
0.01317	0.01159	0.01105	0.00939			
3605847.54	0.10230	0.14385	0.03160	0.15518	0.02673	
0.02041	0.01454	0.01305	0.01076			
3605597.54	0.59240	0.23588	0.15429	0.15333	0.10322	
0.05163	0.01891	0.01295	0.01159			
3605347.54	0.12431	0.31361	0.23028	0.22484	0.23152	
0.03346	0.02130	0.01572	0.01542			
3605097.54	0.06770	0.07221	0.05403	0.03736	0.04380	
0.10672	0.02724	0.02197	0.01603			
3604847.54	0.08975	0.05309	0.04428	0.03515	0.03159	
0.03126	0.03907	0.03384	0.02488			
3604597.54	0.15026	0.09369	0.05942	0.04592	0.03533	
0.02972	0.03239	0.03385	0.04198			
3604347.54	0.54995	0.26051	0.12151	0.10616	0.05707	
0.04266	0.03277	0.03114	0.03152			
3604097.54	18.02007	2.44211	0.59455	0.23462	0.13482	
0.06878	0.05107	0.04522	0.03665			
3603847.54	242.10162	11.83961	3.36130	1.28683	0.41154	
0.19293	0.12528	0.10335	0.06492			
3603597.54	10.51854	1.77061	1.20124	1.11191	0.80204	
0.53468	0.34364	0.26964	0.15013			
3603347.54	9.75682	1.86811	0.45178	0.74163	1.73441	
0.62568	1.05256	0.55242	0.22775			
3603097.54	5.27677	4.69599	0.90088	2.61893	1.98859	
1.34034	1.18591	0.36398	0.19537			
3602847.54	2.76502	2.72521	2.79143	1.97517	1.55615	
1.35943	1.10521	0.81362	0.15181			
3602597.54	1.91727	1.90003	1.85409	1.54675	1.35953	
1.15476	0.98076	0.58632	0.11916			
3602347.54	1.46552	1.44179	1.35844	1.26236	1.17967	
0.95683	0.84705	0.77146	0.55815			
3602097.54	1.12315	1.13320	1.06526	1.03576	0.98257	
0.87684	0.78601	0.64713	0.57863			
3601847.54	0.90045	0.91361	0.90371	0.86178	0.81350	
0.74455	0.70548	0.63562	0.52930			
3601597.54	0.74947	0.78261	0.75988	0.72867	0.67718	
0.64607	0.60662	0.58161	0.47872			
3601347.54	0.63422	0.66805	0.64981	0.62863	0.56906	
0.56340	0.54617	0.50027	0.41831			
3601097.54	0.55042	0.56936	0.56248	0.54485	0.50700	
0.49409	0.47984	0.41708	0.41937			

Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP16 ***
INCLUDING SOURCE(S): TP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54	0.00841	0.00753
3605847.54	0.00929	0.00829
3605597.54	0.01063	0.00949
3605347.54	0.01353	0.01101
3605097.54	0.01390	0.01336
3604847.54	0.01911	0.01980
3604597.54	0.03607	0.01997
3604347.54	0.02550	0.02159
3604097.54	0.03005	0.02573
3603847.54	0.05169	0.04548
3603597.54	0.10886	0.07574
3603347.54	0.11521	0.09252
3603097.54	0.13377	0.10370
3602847.54	0.10848	0.11879
3602597.54	0.10877	0.13898
3602347.54	0.32315	0.39402
3602097.54	0.52488	0.47497
3601847.54	0.45980	0.41712
3601597.54	0.44918	0.37521
3601347.54	0.39067	0.36938
3601097.54	0.35168	0.34605

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP16 ***
INCLUDING SOURCE(S): TP16 ,

*** DISCRETE CARTESIAN RECEPTOR
POINTS ***

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

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

508226.78	3603955.63	18.27038	507708.67
3603932.32	3.36461		
506203.59	3603369.23	0.49783	507919.87
3604794.52	1.88246		
507037.89	3604916.08	1.88099	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP17 ***
INCLUDING SOURCE(S): TP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504618.86	504868.86
505118.86	505618.86

3606097.54	0.26215	0.29540	0.33495	0.38683	0.42014
0.49186	0.53047	0.53359	0.49796		
3605847.54	0.25732	0.29328	0.33321	0.39767	0.46158
0.52247	0.57966	0.63672	0.61374		
3605597.54	0.24751	0.27968	0.33235	0.39529	0.45917
0.53187	0.61449	0.70777	0.78983		
3605347.54	0.27632	0.28557	0.30348	0.33909	0.42413
0.50746	0.60060	0.72087	0.84479		
3605097.54	0.27629	0.30632	0.33764	0.34541	0.38064
0.44269	0.56783	0.68012	0.82393		
3604847.54	0.26382	0.29280	0.31802	0.35421	0.42645
0.43347	0.49302	0.63153	0.75753		
3604597.54	0.24748	0.27363	0.30737	0.35699	0.42372
0.43767	0.51319	0.55644	0.68783		
3604347.54	0.23380	0.25621	0.28692	0.32673	0.37983
0.44331	0.51947	0.59302	0.61805		
3604097.54	0.21821	0.24678	0.27033	0.30255	0.34453
0.39792	0.48320	0.55739	0.59699		
3603847.54	0.20197	0.22514	0.25819	0.28484	0.32760
0.37902	0.42785	0.47307	0.55654		
3603597.54	0.18847	0.20658	0.23392	0.26103	0.28750
0.32988	0.36771	0.41463	0.48726		
3603347.54	0.17797	0.19654	0.21853	0.24053	0.26754
0.30020	0.34030	0.38998	0.46624		
3603097.54	0.17087	0.18647	0.20415	0.23377	0.25344
0.28104	0.32819	0.37160	0.44864		
3602847.54	0.16424	0.17964	0.20133	0.22028	0.24397
0.27328	0.32077	0.36731	0.44259		
3602597.54	0.16045	0.17565	0.19634	0.21732	0.24259
0.27434	0.31890	0.36451	0.42807		
3602347.54	0.15858	0.17354	0.19091	0.21119	0.23981
0.27513	0.31094	0.34473	0.37772		
3602097.54	0.15695	0.17223	0.19069	0.21042	0.23445
0.25569	0.27728	0.30310	0.32543		

Otay Hills Quarry AERMOD Output File (HRA)

3601847.54		0.15668	0.17105	0.18511	0.19996	0.21646
0.22960	0.24738	0.26941	0.30155			
3601597.54		0.15360	0.16433	0.17358	0.18337	0.19369
0.20827	0.22641	0.25239	0.28718			
3601347.54		0.14580	0.15244	0.15948	0.16806	0.18101
0.19661	0.21670	0.24305	0.27365			
3601097.54		0.13530	0.14112	0.14929	0.16149	0.17450
0.19169	0.21129	0.23792	0.26627			

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*** AERMOD - VERSION 18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***   05/16/19
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***                          16:35:25
  
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP17
INCLUDING SOURCE(S): TP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)		506368.86	506618.86	506868.86	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86			

3606097.54		0.50741	0.52687	0.50931	0.54137	0.46433
0.33706	0.15996	0.13778	0.04653			
3605847.54		0.60314	0.61519	0.65534	0.65544	0.56096
0.40014	0.31592	0.33825	0.12719			
3605597.54		0.76264	0.75225	0.75978	0.79480	0.86123
0.53671	0.35764	0.59105	0.55650			
3605347.54		0.96846	1.05392	0.97452	0.96014	0.92943
0.84340	0.74750	0.71179	0.21962			
3605097.54		1.00074	1.20883	1.41526	1.52499	1.40906
1.36442	1.20671	0.68306	0.08794			
3604847.54		0.95013	1.20612	1.56619	1.98347	2.32569
2.45401	1.88994	1.08870	0.21614			
3604597.54		0.86896	1.12874	1.47392	2.01813	2.85326
3.78938	3.96441	1.37483	0.25516			
3604347.54		0.80082	0.98812	1.24983	1.74956	2.64516
4.08856	6.35687	7.27977	2.33721			
3604097.54		0.67476	0.87050	1.16520	1.59509	2.13260
3.31141	6.25639	13.06215	21.38262			
3603847.54		0.64824	0.73452	0.93742	1.18976	1.70113
2.56752	4.37666	8.30677	30.09032			
3603597.54		0.60551	0.71469	0.86535	1.11745	1.42919
2.05839	3.44666	5.71560	13.70998			
3603347.54		0.55680	0.67660	0.80093	1.05388	1.45410
1.81465	2.49807	3.85539	7.49490			
3603097.54		0.54082	0.65594	0.79784	0.96847	1.15324
1.40693	1.98296	2.87493	4.13978			
3602847.54		0.53394	0.63287	0.70615	0.80434	0.95520
1.20364	1.63085	2.14784	2.59796			
3602597.54		0.49096	0.51730	0.59546	0.71683	0.85154
1.06422	1.33493	1.59369	1.87869			
3602347.54		0.40380	0.45544	0.53473	0.64405	0.77471
0.90498	1.07612	1.23579	1.39841			
3602097.54		0.36260	0.41323	0.49472	0.57861	0.67647
0.77578	0.89318	0.98928	1.08342			

3601847.54		0.34185	0.39382	0.46455	0.52319	0.59006
0.67049	0.75410	0.81244	0.88224			
3601597.54		0.32560	0.37404	0.42558	0.47061	0.52397
0.58620	0.64223	0.69157	0.72917			
3601347.54		0.31040	0.35125	0.38923	0.43011	0.47544
0.51551	0.56005	0.59115	0.62622			
3601097.54		0.29728	0.32790	0.35887	0.39352	0.42964
0.45926	0.48582	0.51854	0.54793			

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*** AERMOD - VERSION 18081 ***   *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc          ***   05/16/19
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***                          16:35:25
  
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP17
INCLUDING SOURCE(S): TP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.03366	0.03546	0.02128	0.03826	0.01963
0.01308	0.01140	0.01095	0.00940			
3605847.54		0.10663	0.14585	0.03148	0.15711	0.02663
0.02001	0.01446	0.01309	0.01077			
3605597.54		0.56982	0.23696	0.15927	0.15504	0.10332
0.05569	0.01901	0.01299	0.01152			
3605347.54		0.12930	0.31666	0.23539	0.22468	0.23638
0.03431	0.02191	0.01553	0.01522			
3605097.54		0.06550	0.07134	0.05276	0.03625	0.04510
0.10842	0.02637	0.02155	0.01587			
3604847.54		0.08603	0.05063	0.04332	0.03470	0.03202
0.03031	0.03813	0.03349	0.02434			
3604597.54		0.14069	0.08853	0.05771	0.04607	0.03437
0.02846	0.03095	0.03258	0.04039			
3604347.54		0.51498	0.24287	0.11890	0.10060	0.05315
0.04097	0.03170	0.02958	0.02958			
3604097.54		13.52845	2.39090	0.50833	0.20194	0.11970
0.06252	0.04743	0.04253	0.03472			
3603847.54		508.60677	10.38214	3.01480	1.15383	0.35107
0.16852	0.11159	0.09352	0.05947			
3603597.54		13.69989	2.29856	1.50326	1.20822	0.82772
0.54009	0.33998	0.26441	0.14342			
3603347.54		11.01311	2.14523	0.52285	0.84519	1.93226
0.67621	1.12578	0.57714	0.23071			
3603097.54		5.71610	5.11764	0.98556	2.87106	2.08415
1.44225	1.26526	0.38686	0.20332			
3602847.54		2.93347	2.90085	2.99514	2.05973	1.60692
1.41350	1.14477	0.86332	0.16252			
3602597.54		2.00995	2.00211	1.94108	1.61401	1.40137
1.18523	1.00661	0.61735	0.12532			
3602347.54		1.52085	1.50584	1.41449	1.31028	1.21612
0.98024	0.86481	0.79055	0.57843			
3602097.54		1.16003	1.17600	1.10469	1.06970	1.01240
0.89799	0.81436	0.67036	0.58834			

Otay Hills Quarry AERMOD Output File (HRA)

3601847.54		0.92621	0.94366	0.93196	0.88688	0.83606
0.76320	0.71938	0.65429	0.53727			
3601597.54		0.76799	0.80397	0.78094	0.74780	0.69424
0.66168	0.61882	0.59158	0.48562			
3601347.54		0.64803	0.68395	0.66591	0.64353	0.58264
0.57581	0.55723	0.50862	0.42498			
3601097.54		0.56092	0.58158	0.57503	0.55667	0.51789
0.50400	0.48921	0.42522	0.42536			

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP17
 INCLUDING SOURCE(S): TP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00840	0.00752
3605847.54		0.00925	0.00823
3605597.54		0.01051	0.00947
3605347.54		0.01350	0.01085
3605097.54		0.01350	0.01286
3604847.54		0.01853	0.01941
3604597.54		0.03507	0.01950
3604347.54		0.02411	0.02065
3604097.54		0.02864	0.02463
3603847.54		0.04787	0.04245
3603597.54		0.10348	0.07184
3603347.54		0.11450	0.09126
3603097.54		0.13719	0.10514
3602847.54		0.11459	0.12335
3602597.54		0.11554	0.14696
3602347.54		0.33960	0.41215
3602097.54		0.53337	0.48330
3601847.54		0.46639	0.42251
3601597.54		0.45527	0.38004
3601347.54		0.39571	0.37370
3601097.54		0.35665	0.34990

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP17
 INCLUDING SOURCE(S): TP17 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	18.03103	507708.67
3603932.32	3.40680		
506203.59	3603369.23	0.49495	507919.87
3604794.52	1.80262		
507037.89	3604916.08	1.79972	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP18
 INCLUDING SOURCE(S): TP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
505368.86	505618.86
504118.86	504368.86
504618.86	504868.86
506118.86	505118.86

3606097.54		0.26258	0.29589	0.33548	0.38743	0.42062
0.49242	0.53089	0.53369	0.49759			
3605847.54		0.25777	0.29384	0.33387	0.39855	0.46257
0.52346	0.58052	0.63739	0.61375			
3605597.54		0.24785	0.28015	0.33306	0.39627	0.46038
0.53326	0.61598	0.70922	0.79100			
3605347.54		0.27680	0.28602	0.30395	0.33968	0.42517
0.50889	0.60241	0.72304	0.84704			
3605097.54		0.27683	0.30693	0.33832	0.34601	0.38131
0.44361	0.56946	0.68235	0.82684			
3604847.54		0.26438	0.29344	0.31871	0.35498	0.42749
0.43435	0.49404	0.63330	0.75999			
3604597.54		0.24798	0.27423	0.30808	0.35789	0.42487
0.43883	0.51462	0.55782	0.68977			
3604347.54		0.23426	0.25674	0.28755	0.32751	0.38082
0.44456	0.52107	0.59500	0.61990			
3604097.54		0.21865	0.24731	0.27093	0.30326	0.34540
0.39902	0.48464	0.55920	0.59895			
3603847.54		0.20237	0.22562	0.25879	0.28552	0.32845
0.38007	0.42912	0.47456	0.55846			
3603597.54		0.18882	0.20698	0.23441	0.26161	0.28818
0.33071	0.36869	0.41579	0.48877			
3603347.54		0.17827	0.19690	0.21896	0.24102	0.26813
0.30090	0.34115	0.39103	0.46763			
3603097.54		0.17116	0.18680	0.20453	0.23425	0.25398
0.28166	0.32899	0.37256	0.44992			

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54		0.16451	0.17995	0.20171	0.22071	0.24446
0.27387	0.32154	0.36825	0.44383			
3602597.54		0.16071	0.17595	0.19669	0.21773	0.24308
0.27494	0.31965	0.36542	0.42919			
3602347.54		0.15884	0.17383	0.19125	0.21158	0.24029
0.27571	0.31163	0.34550	0.37860			
3602097.54		0.15720	0.17252	0.19102	0.21080	0.23489
0.25618	0.27782	0.30373	0.32618			
3601847.54		0.15692	0.17132	0.18542	0.20029	0.21683
0.23001	0.24786	0.26998	0.30226			
3601597.54		0.15382	0.16458	0.17384	0.18365	0.19401
0.20864	0.22686	0.25293	0.28786			
3601347.54		0.14600	0.15265	0.15971	0.16832	0.18132
0.19697	0.21712	0.24357	0.27427			
3601097.54		0.13548	0.14131	0.14951	0.16175	0.17480
0.19204	0.21171	0.23843	0.26686			

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP18
 INCLUDING SOURCE(S): TP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507118.86
507868.86	507368.86
508118.86	
508368.86	

3606097.54		0.50701	0.52656	0.50865	0.53991	0.46300
0.33598	0.15830	0.13653	0.04634			
3605847.54		0.60266	0.61463	0.65492	0.65444	0.55695
0.39816	0.31367	0.33594	0.12585			
3605597.54		0.76282	0.75162	0.75891	0.79396	0.85811
0.53199	0.35493	0.59029	0.55625			
3605347.54		0.97039	1.05505	0.97375	0.95866	0.92734
0.84023	0.74605	0.71116	0.21664			
3605097.54		1.00415	1.21220	1.41772	1.52552	1.40748
1.36129	1.20174	0.67700	0.08745			
3604847.54		0.95381	1.21126	1.57251	1.98902	2.32724
2.44948	1.86642	1.07767	0.21375			
3604597.54		0.87185	1.13326	1.48104	2.02917	2.86658
3.79311	3.95010	1.34189	0.25284			
3604347.54		0.80375	0.99197	1.25497	1.75840	2.66238
4.11986	6.38559	7.25708	2.28926			
3604097.54		0.67693	0.87391	1.17080	1.60424	2.14624
3.33734	6.32302	13.23267	21.18974			
3603847.54		0.65065	0.73724	0.94146	1.19548	1.71157
2.58768	4.42340	8.42951	31.01139			
3603597.54		0.60763	0.71742	0.86900	1.12286	1.43692
2.07195	3.47705	5.77818	13.96642			
3603347.54		0.55862	0.67903	0.80408	1.05870	1.46184
1.82516	2.51585	3.89090	7.57099			
3603097.54		0.54251	0.65822	0.80091	0.97249	1.15837
1.41448	1.99595	2.89398	4.16533			

3602847.54		0.53556	0.63487	0.70850	0.80733	0.95946
1.20961	1.63912	2.15873	2.60921			
3602597.54		0.49226	0.51876	0.59739	0.71959	0.85511
1.06862	1.34060	1.59966	1.88548			
3602347.54		0.40482	0.45676	0.53649	0.64639	0.77753
0.90810	1.07987	1.23951	1.40257			
3602097.54		0.36354	0.41441	0.49627	0.58044	0.67852
0.77818	0.89575	0.99183	1.08611			
3601847.54		0.34273	0.39492	0.46589	0.52460	0.59164
0.67233	0.75595	0.81429	0.88421			
3601597.54		0.32642	0.37500	0.42664	0.47174	0.52528
0.58761	0.64362	0.69304	0.73062			
3601347.54		0.31114	0.35207	0.39010	0.43110	0.47656
0.51659	0.56117	0.59230	0.62740			
3601097.54		0.29792	0.32858	0.35962	0.39439	0.43056
0.46013	0.48671	0.51949	0.54891			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP18
 INCLUDING SOURCE(S): TP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509118.86
510118.86	509368.86
510368.86	509618.86
510618.86	

3606097.54		0.03356	0.03537	0.02121	0.03811	0.01955
0.01306	0.01139	0.01093	0.00938			
3605847.54		0.10562	0.14487	0.03124	0.15604	0.02656
0.01998	0.01444	0.01306	0.01076			
3605597.54		0.56900	0.23540	0.15778	0.15394	0.10258
0.05523	0.01897	0.01296	0.01150			
3605347.54		0.12793	0.31414	0.23323	0.22302	0.23461
0.03416	0.02184	0.01550	0.01520			
3605097.54		0.06526	0.07093	0.05259	0.03616	0.04486
0.10736	0.02630	0.02150	0.01584			
3604847.54		0.08555	0.05046	0.04313	0.03458	0.03189
0.03023	0.03795	0.03334	0.02428			
3604597.54		0.13991	0.08814	0.05745	0.04584	0.03426
0.02838	0.03086	0.03249	0.04022			
3604347.54		0.50829	0.24115	0.11786	0.10000	0.05294
0.04083	0.03160	0.02949	0.02949			
3604097.54		13.39903	2.33371	0.50099	0.20008	0.11885
0.06220	0.04722	0.04236	0.03460			
3603847.54		448.31416	10.01977	2.94786	1.13520	0.34697
0.16703	0.11078	0.09281	0.05916			
3603597.54		13.44892	2.30450	1.50319	1.20002	0.82152
0.53635	0.33781	0.26275	0.14262			
3603347.54		11.08429	2.12016	0.52345	0.84353	1.91885
0.67294	1.11732	0.57276	0.22976			
3603097.54		5.74408	5.12195	0.97330	2.85981	2.08067
1.43692	1.26143	0.38525	0.20288			

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54		2.94326	2.90372	2.99364	2.05663	1.60461
1.41026		1.14389	0.86102	0.16251		
3602597.54		2.01550	2.00390	1.94265	1.61392	1.39970
1.18388		1.00549	0.61357	0.12521		
3602347.54		1.52475	1.50732	1.41529	1.31127	1.21571
0.97919		0.86407	0.78952	0.57592		
3602097.54		1.16256	1.17721	1.10530	1.07032	1.01301
0.89749		0.81164	0.66818	0.58804		
3601847.54		0.92800	0.94461	0.93266	0.88737	0.83668
0.76324		0.71900	0.65258	0.53697		
3601597.54		0.76938	0.80493	0.78153	0.74829	0.69456
0.66209		0.61869	0.59128	0.48533		
3601347.54		0.64913	0.68478	0.66642	0.64400	0.58280
0.57619		0.55747	0.50845	0.42469		
3601097.54		0.56183	0.58225	0.57548	0.55707	0.51812
0.50422		0.48955	0.42514	0.42521		

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP18
 INCLUDING SOURCE(S): TP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00839	0.00751
3605847.54		0.00924	0.00822
3605597.54		0.01050	0.00946
3605347.54		0.01347	0.01084
3605097.54		0.01348	0.01284
3604847.54		0.01850	0.01937
3604597.54		0.03494	0.01945
3604347.54		0.02404	0.02060
3604097.54		0.02856	0.02457
3603847.54		0.04765	0.04225
3603597.54		0.10296	0.07152
3603347.54		0.11412	0.09095
3603097.54		0.13691	0.10492
3602847.54		0.11461	0.12321
3602597.54		0.11555	0.14677
3602347.54		0.33753	0.41065
3602097.54		0.53304	0.48298
3601847.54		0.46620	0.42235
3601597.54		0.45505	0.37990
3601347.54		0.39549	0.37355
3601097.54		0.35643	0.34975

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP18
 INCLUDING SOURCE(S): TP18 ,

*** DISCRETE CARTESIAN RECEPTOR

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

Y-COORD (M)	X-COORD (M)	CONC	X-COORD (M)
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508226.78	3603955.63	18.39264	507708.67
3603932.32	3.43734		
506203.59	3603369.23	0.49648	507919.87
3604794.52	1.77416		
507037.89	3604916.08	1.80428	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP19
 INCLUDING SOURCE(S): TP19 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504618.86	504868.86
505368.86	505118.86

3606097.54		0.26107	0.29361	0.33167	0.37993	0.41184
0.47484		0.50897	0.51214	0.48209		
3605847.54		0.25546	0.29064	0.32978	0.39017	0.45002
0.50650		0.55853	0.60885	0.59166		
3605597.54		0.24526	0.27688	0.32700	0.38710	0.44850
0.51758		0.59457	0.67898	0.75129		
3605347.54		0.26987	0.28053	0.30002	0.33592	0.41535
0.49530		0.58449	0.69707	0.81031		
3605097.54		0.27051	0.29924	0.32931	0.33979	0.37555
0.43579		0.55234	0.66083	0.79785		
3604847.54		0.25947	0.28762	0.31263	0.34785	0.41535
0.42689		0.48567	0.61282	0.73459		
3604597.54		0.24353	0.26929	0.30229	0.35022	0.41490
0.43048		0.50280	0.55040	0.67321		
3604347.54		0.23007	0.25217	0.28212	0.32074	0.37210
0.43376		0.50781	0.57930	0.61431		
3604097.54		0.21545	0.24309	0.26634	0.29784	0.33861
0.39029		0.47292	0.54456	0.58721		

Otay Hills Quarry AERMOD Output File (HRA)

3603847.54		0.19992	0.22255	0.25462	0.28085	0.32257
0.37299	0.42058	0.46551	0.54703			
3603597.54		0.18616	0.20392	0.23034	0.25675	0.28277
0.32376	0.36091	0.40718	0.47736			
3603347.54		0.17532	0.19336	0.21470	0.23624	0.26260
0.29440	0.33332	0.38135	0.45395			
3603097.54		0.16834	0.18362	0.20092	0.22928	0.24859
0.27538	0.32003	0.36162	0.43414			
3602847.54		0.16168	0.17657	0.19730	0.21561	0.23845
0.26668	0.31160	0.35597	0.42725			
3602597.54		0.15744	0.17213	0.19197	0.21223	0.23653
0.26689	0.30939	0.35414	0.41840			
3602347.54		0.15545	0.16996	0.18673	0.20629	0.23376
0.26823	0.30462	0.34036	0.37490			
3602097.54		0.15375	0.16849	0.18640	0.20603	0.23036
0.25276	0.27537	0.30084	0.32103			
3601847.54		0.15345	0.16778	0.18231	0.19791	0.21503
0.22839	0.24515	0.26528	0.29524			
3601597.54		0.15136	0.16263	0.17253	0.18259	0.19255
0.20603	0.22281	0.24737	0.28070			
3601347.54		0.14481	0.15178	0.15874	0.16678	0.17878
0.19339	0.21258	0.23797	0.26765			
3601097.54		0.13473	0.14027	0.14786	0.15930	0.17162
0.18814	0.20710	0.23290	0.26076			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP19
 INCLUDING SOURCE(S): TP19 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)				X-COORD (METERS)	
507618.86	507868.86	506618.86	506868.86	507118.86	507368.86
508118.86	508368.86				

3606097.54		0.48878	0.50332	0.48481	0.51579	0.44567
0.35043	0.19354	0.16323	0.05018			
3605847.54		0.58210	0.59018	0.61997	0.61430	0.59632
0.41673	0.34506	0.37185	0.15437			
3605597.54		0.73188	0.72275	0.72595	0.74884	0.82373
0.56187	0.40238	0.56009	0.52414			
3605347.54		0.91949	0.99214	0.93014	0.91410	0.88135
0.79038	0.69551	0.66283	0.27258			
3605097.54		0.96194	1.14681	1.32041	1.40361	1.30631
1.25155	1.09919	0.74663	0.08950			
3604847.54		0.91874	1.16000	1.48372	1.83544	2.10413
2.22120	1.91343	1.17401	0.26020			
3604597.54		0.84135	1.08420	1.41201	1.91459	2.63141
3.39712	3.51924	1.74450	0.26458			
3604347.54		0.78530	0.96644	1.21819	1.67613	2.49630
3.78279	5.50114	5.92097	2.86941			
3604097.54		0.67119	0.85840	1.13757	1.54550	2.07490
3.16825	5.75151	11.31639	14.93503			

3603847.54		0.63828	0.73233	0.93098	1.18827	1.67889
2.51281	4.23413	8.25408	29.92116			
3603597.54		0.59012	0.69553	0.84120	1.08002	1.38147
1.96412	3.19623	5.57361	13.18451			
3603347.54		0.54006	0.65308	0.77023	1.00356	1.37630
1.76293	2.45773	3.74341	7.52026			
3603097.54		0.52109	0.62933	0.76510	0.94022	1.13896
1.37282	1.91062	2.86904	4.22959			
3602847.54		0.51597	0.61727	0.69688	0.79289	0.92592
1.16717	1.60774	2.15398	2.66695			
3602597.54		0.48531	0.51274	0.58447	0.69426	0.82462
1.04496	1.32509	1.61210	1.90871			
3602347.54		0.39943	0.44603	0.51939	0.62418	0.75714
0.89778	1.07544	1.25119	1.41881			
3602097.54		0.35499	0.40283	0.48105	0.56605	0.66827
0.77133	0.89512	1.00012	1.09891			
3601847.54		0.33364	0.38397	0.45381	0.51603	0.58556
0.66765	0.75619	0.81982	0.89170			
3601597.54		0.31796	0.36585	0.41868	0.46610	0.52016
0.58449	0.64403	0.69505	0.73603			
3601347.54		0.30388	0.34527	0.38468	0.42586	0.47145
0.51459	0.56046	0.59328	0.62966			
3601097.54		0.29204	0.32362	0.35508	0.38939	0.42631
0.45830	0.48615	0.51911	0.54910			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP19
 INCLUDING SOURCE(S): TP19 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)				X-COORD (METERS)	
509868.86	510118.86	510368.86	510618.86	509368.86	509618.86

3606097.54		0.03447	0.03741	0.02186	0.04282	0.01996
0.01320	0.01133	0.01092	0.00943			
3605847.54		0.13197	0.17098	0.03277	0.17930	0.02736
0.02010	0.01457	0.01320	0.01088			
3605597.54		0.54446	0.26944	0.19328	0.18060	0.12537
0.06795	0.01945	0.01311	0.01154			
3605347.54		0.16233	0.36252	0.27890	0.25847	0.26915
0.03756	0.02317	0.01558	0.01513			
3605097.54		0.06523	0.07594	0.05310	0.03625	0.05003
0.13806	0.02723	0.02185	0.01604			
3604847.54		0.08418	0.04993	0.04367	0.03466	0.03322
0.03009	0.03958	0.03494	0.02485			
3604597.54		0.13623	0.08583	0.05725	0.04750	0.03382
0.02824	0.03032	0.03248	0.04165			
3604347.54		0.61220	0.23428	0.12715	0.10024	0.05086
0.03978	0.03125	0.02893	0.02850			
3604097.54		9.86609	3.36723	0.61090	0.19174	0.11181
0.05792	0.04471	0.04075	0.03349			

Otay Hills Quarry AERMOD Output File (HRA)

3603847.54		157.50958	11.27042	3.47443	1.26068	0.31483
0.15112		0.10181	0.08696	0.05554		
3603597.54		29.82068	3.35721	1.88083	1.34387	0.89680
0.57271		0.34782	0.26965	0.13985		
3603347.54		11.64958	3.17455	0.64419	1.06622	2.40240
0.80117		1.34026	0.68864	0.24209		
3603097.54		5.89207	5.35101	1.34522	3.04858	2.13812
1.63350		1.39738	0.45090	0.21658		
3602847.54		3.06306	3.02394	3.19637	2.10311	1.62037
1.45975		1.16672	0.95326	0.17879		
3602597.54		2.07979	2.08070	1.97974	1.65755	1.41271
1.18790		1.01371	0.71019	0.13742		
3602347.54		1.55309	1.55213	1.44892	1.33438	1.22679
0.98676		0.86462	0.80214	0.62749		
3602097.54		1.18323	1.20558	1.13180	1.08439	1.02243
0.90247		0.86455	0.71430	0.58738		
3601847.54		0.94214	0.96408	0.94648	0.89732	0.84383
0.77044		0.71966	0.69740	0.53606		
3601597.54		0.77793	0.81414	0.79079	0.75541	0.70119
0.66734		0.62170	0.59100	0.48532		
3601347.54		0.65459	0.68998	0.67263	0.64869	0.59002
0.57961		0.55964	0.50958	0.42782		
3601097.54		0.56460	0.58610	0.57971	0.56053	0.52274
0.50684		0.49131	0.43052	0.42542		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP19
 INCLUDING SOURCE(S): TP19 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54		0.00841	0.00756
3605847.54		0.00929	0.00819
3605597.54		0.01045	0.00947
3605347.54		0.01365	0.01084
3605097.54		0.01340	0.01261
3604847.54		0.01816	0.01932
3604597.54		0.03635	0.01947
3604347.54		0.02314	0.01989
3604097.54		0.02775	0.02400
3603847.54		0.04512	0.04025
3603597.54		0.10009	0.06906
3603347.54		0.11503	0.09103
3603097.54		0.14215	0.10741
3602847.54		0.12224	0.13013
3602597.54		0.12662	0.16286
3602347.54		0.39946	0.45928
3602097.54		0.53349	0.48635
3601847.54		0.46553	0.42126
3601597.54		0.45402	0.37975

3601347.54		0.39582	0.37251
3601097.54		0.35856	0.34887

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP19
 INCLUDING SOURCE(S): TP19 ,
 *** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	16.29573	507708.67
3603932.32	3.30097		
506203.59	3603369.23	0.48161	507919.87
3604794.52	1.93049		
507037.89	3604916.08	1.66962	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP2
 INCLUDING SOURCE(S): TP2 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504618.86	504868.86
505368.86	505618.86
505868.86	506118.86

3606097.54		0.26593	0.29769	0.33328	0.37547	0.40301
0.45207		0.47691	0.47634	0.45010		
3605847.54		0.25969	0.29500	0.33390	0.38920	0.44262
0.49065		0.53208	0.56877	0.55286		
3605597.54		0.24782	0.28046	0.32925	0.38730	0.44655
0.51074		0.57788	0.64548	0.69815		
3605347.54		0.26547	0.27934	0.30267	0.34151	0.41702
0.49532		0.58104	0.68214	0.77589		
3605097.54		0.26712	0.29459	0.32397	0.33960	0.37859
0.44070		0.55157	0.66028	0.79122		
3604847.54		0.25930	0.28695	0.31238	0.34707	0.40907
0.42857		0.48988	0.60981	0.73622		

Otay Hills Quarry AERMOD Output File (HRA)

3604597.54		0.24418	0.27052	0.30379	0.35068	0.41344
0.43382	0.50387	0.55914	0.67668			
3604347.54		0.23016	0.25288	0.28313	0.32184	0.37292
0.43471	0.50922	0.58301	0.63603			
3604097.54		0.21656	0.24370	0.26765	0.29951	0.34036
0.39200	0.47319	0.54615	0.60083			
3603847.54		0.20210	0.22481	0.25640	0.28341	0.32511
0.37588	0.42478	0.47399	0.55842			
3603597.54		0.18762	0.20568	0.23169	0.25827	0.28521
0.32607	0.36496	0.41383	0.48533			
3603347.54		0.17541	0.19328	0.21438	0.23615	0.26271
0.29477	0.33398	0.38239	0.45330			
3603097.54		0.16806	0.18343	0.20088	0.22825	0.24823
0.27532	0.31814	0.35946	0.42825			
3602847.54		0.16130	0.17599	0.19594	0.21406	0.23655
0.26430	0.30694	0.35032	0.41805			
3602597.54		0.15614	0.17048	0.18957	0.20944	0.23325
0.26278	0.30346	0.34795	0.41338			
3602347.54		0.15364	0.16794	0.18445	0.20365	0.23010
0.26376	0.30131	0.34092	0.38036			
3602097.54		0.15184	0.16620	0.18367	0.20343	0.22847
0.25322	0.27865	0.30555	0.32498			
3601847.54		0.15126	0.16571	0.18111	0.19821	0.21697
0.23180	0.24833	0.26686	0.29483			
3601597.54		0.15020	0.16252	0.17382	0.18496	0.19521
0.20781	0.22328	0.24661	0.27913			
3601347.54		0.14542	0.15329	0.16066	0.16841	0.17944
0.19310	0.21161	0.23657	0.26624			
3601097.54		0.13603	0.14154	0.14860	0.15920	0.17086
0.18692	0.20568	0.23120	0.25938			

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP2
 INCLUDING SOURCE(S): TP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF TAC				IN MICROGRAMS/M**3	
Y-COORD (METERS)				X-COORD (METERS)	
507618.86	507868.86	508118.86	508368.86	507118.86	507368.86
-	-	-	-	-	-
-	-	-	-	-	-

3606097.54		0.45282	0.45967	0.43404	0.44948	0.39610
0.38322	0.22646	0.18952	0.05702			
3605847.54		0.53976	0.54193	0.55570	0.53208	0.52023
0.46808	0.35659	0.42578	0.18764			
3605597.54		0.67990	0.66411	0.65996	0.66186	0.70305
0.60253	0.42977	0.49525	0.46526			
3605347.54		0.85652	0.90003	0.84423	0.82147	0.77296
0.66582	0.59883	0.57651	0.32469			
3605097.54		0.93495	1.07610	1.18552	1.21227	1.12768
1.03380	0.88296	0.75966	0.08913			
3604847.54		0.91999	1.14633	1.40746	1.63510	1.75199
1.78178	1.63254	1.28522	0.34914			

3604597.54		0.84012	1.08169	1.41260	1.86436	2.36083
2.72607	2.64186	1.69421	0.28412			
3604347.54		0.79906	0.98155	1.23988	1.69658	2.49784
3.56281	4.33604	3.96729	3.24931			
3604097.54		0.70159	0.89367	1.17681	1.59106	2.16600
3.29909	5.85214	9.26458	7.42318			
3603847.54		0.65744	0.77276	0.98574	1.28129	1.81371
2.75494	4.76625	10.22609	38.32985			
3603597.54		0.59624	0.70707	0.86222	1.10936	1.44639
2.06914	3.33443	6.26765	18.88604			
3603347.54		0.53824	0.64918	0.76965	0.99373	1.35025
1.81140	2.71879	4.25696	9.37945			
3603097.54		0.51147	0.61559	0.74964	0.93810	1.18624
1.46457	2.01434	3.23096	4.99995			
3602847.54		0.50428	0.60955	0.70718	0.82009	0.95014
1.20534	1.71172	2.38052	3.04659			
3602597.54		0.48745	0.52528	0.59617	0.69721	0.83478
1.08410	1.40852	1.76436	2.10165			
3602347.54		0.40730	0.45046	0.51950	0.62492	0.77021
0.93842	1.14211	1.35113	1.53707			
3602097.54		0.35626	0.40282	0.48059	0.57225	0.68669
0.80442	0.94485	1.06737	1.17836			
3601847.54		0.33234	0.38312	0.45475	0.52538	0.60358
0.69391	0.79241	0.86670	0.94454			
3601597.54		0.31660	0.36576	0.42237	0.47582	0.53477
0.60510	0.67088	0.72663	0.77401			
3601347.54		0.30313	0.34657	0.38945	0.43341	0.48208
0.53078	0.57940	0.61634	0.65552			
3601097.54		0.29195	0.32578	0.35928	0.39511	0.43467
0.47042	0.50096	0.53528	0.56670			

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP2
 INCLUDING SOURCE(S): TP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF TAC				IN MICROGRAMS/M**3	
Y-COORD (METERS)				X-COORD (METERS)	
509868.86	510118.86	510368.86	510618.86	509368.86	509618.86
-	-	-	-	-	-
-	-	-	-	-	-

3606097.54		0.03546	0.04162	0.02180	0.05361	0.02000
0.01308	0.01102	0.01068	0.00930			
3605847.54		0.17119	0.20574	0.03452	0.21604	0.02819
0.02021	0.01440	0.01311	0.01081			
3605597.54		0.48855	0.32653	0.23478	0.21524	0.16129
0.09127	0.01952	0.01299	0.01138			
3605347.54		0.22320	0.60544	0.33830	0.30601	0.30680
0.04472	0.02394	0.01550	0.01470			
3605097.54		0.06192	0.08177	0.05284	0.03527	0.05877
0.19015	0.02865	0.02180	0.01579			
3604847.54		0.07758	0.04615	0.04141	0.03276	0.03306
0.02996	0.04348	0.03673	0.02562			

Otay Hills Quarry AERMOD Output File (HRA)

3604597.54		0.12222	0.07772	0.05245	0.04637	0.03174
0.02679	0.02920	0.03248	0.04459			
3604347.54		0.88811	0.21348	0.12792	0.09628	0.04617
0.03499	0.02883	0.02724	0.02664			
3604097.54		5.70194	4.72040	0.92159	0.17851	0.09533
0.04885	0.03786	0.03535	0.02989			
3603847.54		29.55436	10.47778	3.48247	1.47446	0.24068
0.11305	0.07958	0.07059	0.04636			
3603597.54		107.02593	7.31468	2.09675	1.32627	0.89244
0.54953	0.31433	0.24915	0.12040			
3603347.54		15.09792	5.92283	1.03363	1.66399	2.96991
1.03883	1.54066	0.87217	0.24985			
3603097.54		6.73480	5.78309	2.19370	3.04594	2.16724
1.92849	1.56904	0.58871	0.23156			
3602847.54		3.55400	3.33060	3.39407	2.10908	1.60162
1.46257	1.18385	1.10945	0.20858			
3602597.54		2.33627	2.27099	2.07528	1.72144	1.39260
1.15882	0.99365	0.81635	0.16726			
3602347.54		1.69235	1.66939	1.52596	1.39313	1.22518
0.97457	0.84560	0.79239	0.67305			
3602097.54		1.27579	1.28356	1.19181	1.11962	1.04192
0.89417	0.89947	0.76208	0.57540			
3601847.54		1.00547	1.01937	0.98335	0.92127	0.86533
0.77806	0.70707	0.70271	0.52559			
3601597.54		0.82132	0.84856	0.81703	0.77459	0.71756
0.68107	0.61995	0.57895	0.47716			
3601347.54		0.68568	0.71397	0.69170	0.66346	0.60483
0.59079	0.56340	0.50509	0.42641			
3601097.54		0.58651	0.60478	0.59406	0.57211	0.53369
0.51401	0.49816	0.43664	0.42051			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
 *** 16:35:25 ***

PAGE 329
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP2 ***
 INCLUDING SOURCE(S): TP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 ** ** CONC OF TAC IN MICROGRAMS/M**3

Y-COORD			X-COORD (METERS)
(METERS)		510868.86 511118.86	

3606097.54		0.00830	0.00744
3605847.54		0.00919	0.00803
3605597.54		0.01025	0.00927
3605347.54		0.01348	0.01078
3605097.54		0.01309	0.01202
3604847.54		0.01713	0.01889
3604597.54		0.03780	0.01917
3604347.54		0.02118	0.01804
3604097.54		0.02519	0.02211
3603847.54		0.03848	0.03495
3603597.54		0.08648	0.05967
3603347.54		0.10723	0.08385
3603097.54		0.14477	0.10628

3602847.54		0.13438	0.13927
3602597.54		0.15131	0.19308
3602347.54		0.48874	0.52414
3602097.54		0.52318	0.48334
3601847.54		0.45787	0.41339
3601597.54		0.44474	0.37500
3601347.54		0.39046	0.36587
3601097.54		0.35705	0.34258

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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PAGE 330
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP2 ***
 INCLUDING SOURCE(S): TP2 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***
 ** CONC OF TAC IN MICROGRAMS/M**3

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

508226.78	3603955.63	16.57895	507708.67
3603932.32	3.59294		
506203.59	3603369.23	0.48128	507919.87
3604794.52	1.73069		
507037.89	3604916.08	1.49133	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP20 ***
 INCLUDING SOURCE(S): TP20 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***
 ** CONC OF TAC IN MICROGRAMS/M**3

Y-COORD					X-COORD (METERS)
(METERS)		504118.86	504368.86	504618.86	504868.86 505118.86
505368.86	505618.86	505868.86	506118.86		

3606097.54		0.26215	0.29480	0.33289	0.38110	0.41270
0.47541	0.50903	0.51151	0.48079			
3605847.54		0.25652	0.29194	0.33130	0.39193	0.45184
0.50808	0.55959	0.60919	0.59092			
3605597.54		0.24610	0.27799	0.32852	0.38909	0.45088
0.52021	0.59712	0.68099	0.75226			

Otay Hills Quarry AERMOD Output File (HRA)

3605347.54		0.27073	0.28146	0.30113	0.33738	0.41751
0.49820	0.58804	0.70102	0.81386			
3605097.54		0.27151	0.30034	0.33054	0.34106	0.37709
0.43790	0.55564	0.66533	0.80350			
3604847.54		0.26059	0.28889	0.31401	0.34939	0.41726
0.42880	0.48799	0.61631	0.73962			
3604597.54		0.24456	0.27051	0.30375	0.35204	0.41721
0.43288	0.50570	0.55356	0.67729			
3604347.54		0.23099	0.25324	0.28340	0.32231	0.37410
0.43631	0.51109	0.58334	0.61876			
3604097.54		0.21633	0.24414	0.26756	0.29929	0.34037
0.39249	0.47585	0.54823	0.59140			
3603847.54		0.20075	0.22353	0.25583	0.28226	0.32432
0.37518	0.42323	0.46864	0.55106			
3603597.54		0.18688	0.20475	0.23135	0.25794	0.28415
0.32546	0.36293	0.40962	0.48048			
3603347.54		0.17593	0.19408	0.21555	0.23722	0.26376
0.29579	0.33501	0.38344	0.45669			
3603097.54		0.16891	0.18427	0.20167	0.23021	0.24964
0.27661	0.32157	0.36347	0.43660			
3602847.54		0.16221	0.17718	0.19802	0.21643	0.23940
0.26781	0.31303	0.35773	0.42959			
3602597.54		0.15793	0.17269	0.19263	0.21300	0.23745
0.26801	0.31079	0.35588	0.42064			
3602347.54		0.15593	0.17050	0.18736	0.20702	0.23465
0.26934	0.30597	0.34195	0.37674			
3602097.54		0.15421	0.16902	0.18702	0.20676	0.23122
0.25375	0.27649	0.30214	0.32253			
3601847.54		0.15390	0.16831	0.18291	0.19858	0.21578
0.22922	0.24610	0.26642	0.29666			
3601597.54		0.15180	0.16312	0.17306	0.18317	0.19319
0.20677	0.22369	0.24845	0.28206			
3601347.54		0.14521	0.15221	0.15921	0.16730	0.17938
0.19411	0.21344	0.23901	0.26892			
3601097.54		0.13508	0.14066	0.14830	0.15981	0.17221
0.18884	0.20793	0.23391	0.26195			

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP20 ***

INCLUDING SOURCE(S): TP20 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507118.86
507868.86	507368.86
508118.86	
508368.86	

3606097.54		0.48728	0.50168	0.48223	0.51160	0.44232
0.34841	0.19095	0.16131	0.04976			
3605847.54		0.58039	0.58812	0.61756	0.61023	0.59030
0.41313	0.34213	0.36775	0.15216			
3605597.54		0.73118	0.72046	0.72298	0.74506	0.81587
0.55289	0.39939	0.55746	0.52249			

3605347.54		0.92166	0.99199	0.92703	0.90956	0.87499
0.78101	0.69025	0.65953	0.26748			
3605097.54		0.96796	1.15150	1.32161	1.39962	1.29904
1.23977	1.08460	0.73837	0.08841			
3604847.54		0.92618	1.16984	1.49397	1.84083	2.09875
2.20571	1.87029	1.15512	0.25500			
3604597.54		0.84707	1.09318	1.42630	1.93501	2.64973
3.39174	3.48444	1.67497	0.25932			
3604347.54		0.79151	0.97453	1.22913	1.69391	2.53058
3.83647	5.51473	5.82919	2.78486			
3604097.54		0.67647	0.86614	1.14954	1.56452	2.10412
3.22100	5.87960	11.53291	14.37565			
3603847.54		0.64343	0.73884	0.94044	1.20232	1.70281
2.55782	4.33639	8.55735	32.19750			
3603597.54		0.59445	0.70113	0.84876	1.09116	1.39790
1.99239	3.25580	5.72341	13.83113			
3603347.54		0.54365	0.65788	0.77640	1.01283	1.39146
1.78576	2.49675	3.83045	7.71961			
3603097.54		0.52434	0.63369	0.77104	0.94844	1.15006
1.38872	1.93983	2.91799	4.29544			
3602847.54		0.51912	0.62143	0.70188	0.79913	0.93463
1.18052	1.62758	2.18146	2.69634			
3602597.54		0.48809	0.51580	0.58842	0.69984	0.83223
1.05518	1.33842	1.62752	1.92530			
3602347.54		0.40151	0.44867	0.52296	0.62904	0.76336
0.90506	1.08457	1.26057	1.42895			
3602097.54		0.35686	0.40523	0.48427	0.57003	0.67288
0.77687	0.90139	1.00639	1.10556			
3601847.54		0.33542	0.38623	0.45664	0.51916	0.58912
0.67193	0.76059	0.82430	0.89640			
3601597.54		0.31963	0.36788	0.42098	0.46858	0.52308
0.58776	0.64723	0.69845	0.73946			
3601347.54		0.30540	0.34700	0.38653	0.42797	0.47391
0.51706	0.56294	0.59589	0.63232			
3601097.54		0.29338	0.32505	0.35665	0.39123	0.42832
0.46023	0.48810	0.52120	0.55122			

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP20 ***

INCLUDING SOURCE(S): TP20 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509368.86
510118.86	509618.86
510368.86	
510618.86	

3606097.54		0.03427	0.03728	0.02168	0.04266	0.01989
0.01314	0.01130	0.01089	0.00940			
3605847.54		0.13073	0.17013	0.03255	0.17779	0.02723
0.02004	0.01445	0.01315	0.01084			
3605597.54		0.54262	0.26775	0.19120	0.17935	0.12461
0.06738	0.01935	0.01305	0.01150			

Otay Hills Quarry AERMOD Output File (HRA)

3605347.54	0.16031	0.35944	0.27572	0.25678	0.26744
0.03721	0.02301	0.01551	0.01508		
3605097.54	0.06469	0.07501	0.05278	0.03603	0.04941
0.13668	0.02709	0.02173	0.01597		
3604847.54	0.08334	0.04940	0.04322	0.03439	0.03290
0.02991	0.03934	0.03474	0.02473		
3604597.54	0.13456	0.08501	0.05665	0.04690	0.03355
0.02803	0.03011	0.03228	0.04137		
3604347.54	0.59624	0.23080	0.12450	0.09872	0.05033
0.03942	0.03101	0.02872	0.02829		
3604097.54	9.62752	3.23593	0.59797	0.18812	0.10998
0.05713	0.04418	0.04033	0.03316		
3603847.54	135.10205	10.51435	3.33637	1.22328	0.30590
0.14764	0.09988	0.08552	0.05478		
3603597.54	29.78690	3.43362	1.87109	1.31996	0.88150
0.56359	0.34231	0.26557	0.13782		
3603347.54	11.85234	3.12700	0.65159	1.07128	2.38712
0.79584	1.32787	0.68170	0.24003		
3603097.54	5.96618	5.35742	1.32131	3.02358	2.12934
1.62910	1.39259	0.44922	0.21570		
3602847.54	3.09126	3.02839	3.19847	2.09071	1.61147
1.45300	1.16452	0.95174	0.17922		
3602597.54	2.09543	2.08467	1.98099	1.65535	1.40574
1.18270	1.01002	0.70562	0.13771		
3602347.54	1.56303	1.55553	1.44977	1.33559	1.22366
0.98259	0.86151	0.79942	0.62399		
3602097.54	1.18979	1.20839	1.13279	1.08486	1.02268
0.89982	0.85989	0.71117	0.58589		
3601847.54	0.94677	0.96637	0.94754	0.89770	0.84459
0.76970	0.71767	0.69474	0.53465		
3601597.54	0.78137	0.81615	0.79170	0.75600	0.70143
0.66782	0.62065	0.58952	0.48400		
3601347.54	0.65722	0.69167	0.67344	0.64934	0.59010
0.58008	0.55964	0.50858	0.42677		
3601097.54	0.56669	0.58750	0.58044	0.56108	0.52299
0.50700	0.49175	0.43013	0.42458		

```

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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PAGE 334
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP20 ***
INCLUDING SOURCE(S): TP20 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

```

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

```

Y-COORD		X-COORD (METERS)
(METERS)	510868.86	511118.86

3606097.54	0.00839	0.00754
3605847.54	0.00926	0.00817
3605597.54	0.01042	0.00944
3605347.54	0.01360	0.01080
3605097.54	0.01335	0.01256
3604847.54	0.01808	0.01922
3604597.54	0.03612	0.01937

3604347.54	0.02297	0.01976
3604097.54	0.02754	0.02383
3603847.54	0.04456	0.03981
3603597.54	0.09875	0.06822
3603347.54	0.11402	0.09022
3603097.54	0.14149	0.10684
3602847.54	0.12240	0.12989
3602597.54	0.12713	0.16291
3602347.54	0.39723	0.45844
3602097.54	0.53217	0.48541
3601847.54	0.46451	0.42035
3601597.54	0.45297	0.37900
3601347.54	0.39485	0.37174
3601097.54	0.35777	0.34812

```

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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PAGE 335
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP20 ***
INCLUDING SOURCE(S): TP20 ,

```

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

```

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

```

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

	508226.78	3603955.63	16.97837
3603932.32	3.36721		507708.67
	506203.59	3603369.23	0.48463
3604794.52	1.87848		507919.87
	507037.89	3604916.08	1.67377

```

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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PAGE 336
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP21 ***
INCLUDING SOURCE(S): TP21 ,

```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

```

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

```

Y-COORD		X-COORD (METERS)
(METERS)	504118.86	504368.86
505368.86	505618.86	505868.86
	506118.86	

Otay Hills Quarry AERMOD Output File (HRA)

3606097.54		0.26517	0.29838	0.33722	0.38703	0.41823
0.48462	0.51893	0.51921	0.48343			
3605847.54		0.25997	0.29643	0.33669	0.40008	0.46210
0.51968	0.57202	0.62276	0.59786			
3605597.54		0.24906	0.28197	0.33504	0.39846	0.46253
0.53417	0.61340	0.69986	0.77260			
3605347.54		0.27615	0.28614	0.30528	0.34222	0.42744
0.51196	0.60549	0.72325	0.83970			
3605097.54		0.27712	0.30685	0.33791	0.34674	0.38299
0.44618	0.57195	0.68688	0.83147			
3604847.54		0.26591	0.29503	0.32045	0.35663	0.42802
0.43649	0.49679	0.63435	0.76381			
3604597.54		0.24941	0.27606	0.31037	0.36060	0.42824
0.44292	0.51864	0.56412	0.69444			
3604347.54		0.23544	0.25822	0.28935	0.32970	0.38361
0.44833	0.52625	0.60162	0.63183			
3604097.54		0.22024	0.24907	0.27306	0.30579	0.34839
0.40263	0.48953	0.56528	0.60769			
3603847.54		0.20420	0.22771	0.26123	0.28845	0.33207
0.38475	0.43477	0.48154	0.56755			
3603597.54		0.19009	0.20843	0.23601	0.26348	0.29042
0.33336	0.37198	0.42005	0.49405			
3603347.54		0.17894	0.19765	0.21981	0.24209	0.26945
0.30255	0.34318	0.39350	0.47043			
3603097.54		0.17176	0.18752	0.20537	0.23507	0.25494
0.28270	0.32978	0.37328	0.45025			
3602847.54		0.16494	0.18034	0.20196	0.22090	0.24459
0.27394	0.32129	0.36784	0.44328			
3602597.54		0.16070	0.17589	0.19653	0.21753	0.24280
0.27450	0.31911	0.36569	0.43214			
3602347.54		0.15869	0.17366	0.19102	0.21127	0.23992
0.27577	0.31311	0.34925	0.38424			
3602097.54		0.15695	0.17220	0.19073	0.21087	0.23577
0.25834	0.28117	0.30752	0.32921			
3601847.54		0.15666	0.17132	0.18600	0.20169	0.21901
0.23259	0.25022	0.27175	0.30361			
3601597.54		0.15418	0.16549	0.17534	0.18551	0.19584
0.21012	0.22794	0.25382	0.28879			
3601347.54		0.14704	0.15401	0.16113	0.16957	0.18226
0.19767	0.21774	0.24424	0.27514			
3601097.54		0.13659	0.14235	0.15034	0.16237	0.17527
0.19248	0.21219	0.23903	0.26780			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP21
INCLUDING SOURCE(S): TP21 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
507618.86	507118.86
507868.86	507368.86
508118.86	
508368.86	

3606097.54		0.49094	0.50770	0.48642	0.51236	0.44227
0.33360	0.16468	0.14193	0.04657			
3605847.54		0.58381	0.59279	0.62696	0.61854	0.58296
0.39350	0.31652	0.33415	0.13138			
3605597.54		0.74178	0.72548	0.72850	0.75509	0.81060
0.51483	0.36424	0.56454	0.53301			
3605347.54		0.94994	1.01915	0.93553	0.91488	0.87691
0.77981	0.70093	0.67317	0.22506			
3605097.54		1.00264	1.19267	1.36761	1.44260	1.32266
1.25718	1.09593	0.67639	0.08441			
3604847.54		0.96135	1.21871	1.56083	1.92320	2.18255
2.26384	1.72602	1.05908	0.21559			
3604597.54		0.87503	1.13849	1.49484	2.04092	2.80377
3.54700	3.57613	1.31625	0.23819			
3604347.54		0.81574	1.00623	1.27187	1.77520	2.69591
4.13160	5.92404	6.11911	2.28277			
3604097.54		0.69161	0.89250	1.19600	1.64232	2.21076
3.43165	6.48162	12.90397	14.96242			
3603847.54		0.66311	0.75735	0.96925	1.24023	1.77934
2.71067	4.70067	9.41343	39.22847			
3603597.54		0.61440	0.72634	0.88144	1.14015	1.46382
2.10991	3.53462	6.20633	15.80270			
3603347.54		0.56183	0.68253	0.80753	1.06167	1.47104
1.87590	2.62541	4.09921	8.27025			
3603097.54		0.54261	0.65821	0.80324	0.98676	1.19113
1.44779	2.04809	3.04826	4.44538			
3602847.54		0.53663	0.64169	0.72256	0.82379	0.97213
1.23121	1.69080	2.25377	2.75052			
3602597.54		0.49995	0.52784	0.60537	0.72588	0.86464
1.09115	1.37987	1.66214	1.96260			
3602347.54		0.41015	0.46074	0.53988	0.65131	0.78834
0.92842	1.11006	1.28086	1.45099			
3602097.54		0.36575	0.41655	0.49924	0.58654	0.68961
0.79441	0.91834	1.02027	1.11906			
3601847.54		0.34410	0.39683	0.46934	0.53123	0.60135
0.68532	0.77274	0.83462	0.90699			
3601597.54		0.32768	0.37719	0.43066	0.47788	0.53326
0.59802	0.65633	0.70761	0.74731			
3601347.54		0.31257	0.35465	0.39410	0.43623	0.48300
0.52495	0.57077	0.60330	0.63953			
3601097.54		0.29963	0.33129	0.36318	0.39866	0.43593
0.46677	0.49432	0.52783	0.55797			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP21
INCLUDING SOURCE(S): TP21 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
509868.86	508618.86
510118.86	508868.86
510368.86	509118.86
510618.86	509368.86
	509618.86

Otay Hills Quarry AERMOD Output File (HRA)

3606097.54		0.03323	0.03576	0.02097	0.03923	0.01937
0.01293	0.01122	0.01080	0.00931			
3605847.54		0.11188	0.15251	0.03120	0.16084	0.02641
0.01976	0.01428	0.01295	0.01066			
3605597.54		0.54849	0.24313	0.16650	0.16064	0.10870
0.05876	0.01884	0.01284	0.01137			
3605347.54		0.13476	0.32293	0.24255	0.23105	0.24256
0.03459	0.02210	0.01525	0.01495			
3605097.54		0.06294	0.06980	0.05134	0.03522	0.04534
0.11510	0.02584	0.02117	0.01564			
3604847.54		0.08140	0.04823	0.04172	0.03359	0.03158
0.02933	0.03753	0.03313	0.02402			
3604597.54		0.13086	0.08345	0.05501	0.04487	0.03302
0.02737	0.02965	0.03150	0.03939			
3604347.54		0.49258	0.22244	0.11424	0.09463	0.04954
0.03889	0.03052	0.02828	0.02799			
3604097.54		10.25613	2.40914	0.48626	0.17806	0.10690
0.05659	0.04381	0.03980	0.03282			
3603847.54		125.58558	7.91627	2.64986	1.02989	0.29216
0.14448	0.09815	0.08370	0.05412			
3603597.54		19.03808	3.07801	1.70586	1.20969	0.81062
0.52412	0.32359	0.25153	0.13356			
3603347.54		12.23475	2.43077	0.61066	0.96870	2.10968
0.71642	1.18332	0.60011	0.22888			
3603097.54		6.14629	5.35975	1.06673	2.90846	2.10653
1.52975	1.32007	0.40956	0.20741			
3602847.54		3.11443	3.01126	3.13727	2.06127	1.59937
1.42735	1.15829	0.90604	0.17267			
3602597.54		2.10988	2.07251	1.98583	1.64152	1.39594
1.17924	1.00547	0.64536	0.13223			
3602347.54		1.57942	1.55158	1.44616	1.33713	1.22053
0.97640	0.86038	0.79193	0.59119			
3602097.54		1.19952	1.20768	1.12919	1.08688	1.02541
0.89744	0.82621	0.68347	0.58624			
3601847.54		0.95387	0.96674	0.94897	0.89932	0.84815
0.76871	0.71737	0.66117	0.53483			
3601597.54		0.78776	0.82010	0.79364	0.75808	0.70271
0.66979	0.62002	0.58972	0.48342			
3601347.54		0.66273	0.69608	0.67564	0.65193	0.58956
0.58248	0.56129	0.50823	0.42464			
3601097.54		0.57197	0.59116	0.58271	0.56342	0.52362
0.50857	0.49418	0.42813	0.42452			

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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PAGE 339
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP21 ***
INCLUDING SOURCE(S): TP21 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)		510868.86	511118.86

3606097.54		0.00831	0.00746
------------	--	---------	---------

3605847.54		0.00915	0.00812
3605597.54		0.01035	0.00936
3605347.54		0.01333	0.01070
3605097.54		0.01320	0.01247
3604847.54		0.01796	0.01899
3604597.54		0.03440	0.01909
3604347.54		0.02284	0.01967
3604097.54		0.02726	0.02363
3603847.54		0.04406	0.03941
3603597.54		0.09640	0.06705
3603347.54		0.11121	0.08812
3603097.54		0.13776	0.10447
3602847.54		0.11954	0.12623
3602597.54		0.12289	0.15486
3602347.54		0.35761	0.43146
3602097.54		0.53185	0.48401
3601847.54		0.46485	0.42086
3601597.54		0.45339	0.37905
3601347.54		0.39420	0.37220
3601097.54		0.35628	0.34834

```

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP21 ***
INCLUDING SOURCE(S): TP21 ,

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*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----	-----	-----
	508226.78	3603955.63	19.72236
3603932.32	3.60450		507708.67
	506203.59	3603369.23	0.49964
3604794.52	1.66337		507919.87
	507037.89	3604916.08	1.74453

```

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP22 ***
INCLUDING SOURCE(S): TP22 ,

```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)		504118.86	504368.86	504618.86	X-COORD (METERS)	
505368.86	505618.86	505868.86	506118.86	504868.86	505118.86	

3606097.54		0.26753	0.30222	0.34394	0.39963	0.43531
0.51441	0.55703	0.56017	0.52012			
3605847.54		0.26299	0.30026	0.34185	0.41063	0.47930
0.54547	0.60841	0.67193	0.64514			
3605597.54		0.25354	0.28677	0.34206	0.40825	0.47571
0.55350	0.64337	0.74667	0.83898			
3605347.54		0.28507	0.29417	0.31204	0.34862	0.43897
0.52683	0.62593	0.75635	0.89394			
3605097.54		0.28385	0.31570	0.34903	0.35630	0.39291
0.45826	0.59230	0.71116	0.86583			
3604847.54		0.26969	0.29986	0.32612	0.36421	0.44154
0.44773	0.51095	0.66165	0.79623			
3604597.54		0.25292	0.27984	0.31470	0.36631	0.43570
0.45003	0.53018	0.57432	0.71725			
3604347.54		0.23874	0.26185	0.29368	0.33508	0.39042
0.45653	0.53600	0.61337	0.63532			
3604097.54		0.22179	0.25132	0.27552	0.30880	0.35236
0.40795	0.49655	0.57452	0.61504			
3603847.54		0.20470	0.22847	0.26245	0.28979	0.33375
0.38650	0.43712	0.48399	0.57070			
3603597.54		0.19171	0.21036	0.23872	0.26680	0.29424
0.33839	0.37781	0.42670	0.50316			
3603347.54		0.18158	0.20079	0.22356	0.24630	0.27433
0.30836	0.35040	0.40294	0.48451			
3603097.54		0.17420	0.19031	0.20868	0.23977	0.26053
0.28985	0.34037	0.38718	0.47059			
3602847.54		0.16784	0.18406	0.20702	0.22711	0.25224
0.28342	0.33438	0.38454	0.46432			
3602597.54		0.16475	0.18070	0.20247	0.22464	0.25155
0.28541	0.33203	0.37687	0.43581			
3602347.54		0.16299	0.17873	0.19715	0.21856	0.24820
0.28318	0.31628	0.34640	0.37881			
3602097.54		0.16163	0.17767	0.19654	0.21573	0.23817
0.25710	0.27757	0.30529	0.33261			
3601847.54		0.16099	0.17493	0.18779	0.20108	0.21654
0.23016	0.25039	0.27595	0.31170			
3601597.54		0.15573	0.16534	0.17364	0.18335	0.19481
0.21151	0.23202	0.26029	0.29755			
3601347.54		0.14595	0.15229	0.15980	0.16962	0.18422
0.20142	0.22301	0.25104	0.28322			
3601097.54		0.13530	0.14181	0.15108	0.16453	0.17864
0.19692	0.21770	0.24564	0.27443			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP22
INCLUDING SOURCE(S): TP22 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)		506368.86	506618.86	506868.86	X-COORD (METERS)	
507618.86	507868.86	508118.86	508368.86	507118.86	507368.86	

3606097.54		0.53068	0.55268	0.53205	0.55842	0.47507
0.33799	0.14078	0.12221	0.04466			
3605847.54		0.63332	0.64687	0.69267	0.68984	0.54961
0.39559	0.29424	0.32167	0.11261			
3605597.54		0.80716	0.79540	0.80400	0.84412	0.85070
0.51368	0.33131	0.62077	0.59217			
3605347.54		1.03442	1.13341	1.04030	1.02423	0.98667
0.88392	0.79369	0.75951	0.18590			
3605097.54		1.06108	1.29846	1.54081	1.67333	1.53543
1.47761	1.28323	0.63486	0.08675			
3604847.54		1.00312	1.28316	1.69275	2.18953	2.60523
2.72189	1.81211	1.04361	0.19514			
3604597.54		0.91650	1.20241	1.58135	2.19412	3.19244
4.33935	4.49613	1.12984	0.25496			
3604347.54		0.83190	1.03365	1.32117	1.88890	2.91778
4.64415	7.74404	9.14238	1.98833			
3604097.54		0.69329	0.90185	1.21946	1.68700	2.27446
3.63296	7.29570	17.08250	33.41486			
3603847.54		0.66570	0.75136	0.96446	1.22620	1.77783
2.72633	4.77316	9.38708	41.95648			
3603597.54		0.62835	0.74520	0.90807	1.18622	1.53995
2.28352	3.89585	6.21529	15.35061			
3603347.54		0.58258	0.71420	0.85461	1.13834	1.55896
1.87466	2.70484	4.21762	7.38958			
3603097.54		0.57107	0.69573	0.83919	0.99219	1.17938
1.51236	2.14251	2.95811	4.02397			
3602847.54		0.55526	0.64445	0.71160	0.82897	1.01858
1.28316	1.68836	2.15753	2.52255			
3602597.54		0.49227	0.52309	0.61674	0.75818	0.90188
1.10124	1.36266	1.57770	1.83691			
3602347.54		0.41087	0.47228	0.56170	0.67808	0.80271
0.92344	1.08464	1.21942	1.37013			
3602097.54		0.37554	0.43146	0.51786	0.59892	0.69032
0.78779	0.89258	0.97655	1.06277			
3601847.54		0.35546	0.41033	0.48080	0.53396	0.59924
0.67707	0.75063	0.80286	0.86795			
3601597.54		0.33803	0.38654	0.43494	0.47751	0.53123
0.58863	0.63842	0.68502	0.71848			
3601347.54		0.32031	0.35926	0.39494	0.43621	0.48094
0.51553	0.55717	0.58601	0.61879			
3601097.54		0.30424	0.33287	0.36346	0.39897	0.43293
0.45844	0.48341	0.51469	0.54270			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

PAGE 343

*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP22
INCLUDING SOURCE(S): TP22 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	X-COORD (METERS)	508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			
3606097.54	0.03324	0.03494	0.02082	0.03699	0.01936	
0.01306	0.01154	0.01096	0.00925			
3605847.54	0.09251	0.13638	0.03117	0.14828	0.02628	
0.02008	0.01434	0.01277	0.01058			
3605597.54	0.59500	0.22225	0.14307	0.14537	0.10043	
0.04604	0.01832	0.01268	0.01146			
3605347.54	0.11194	0.28949	0.21503	0.21624	0.21015	
0.03185	0.02030	0.01564	0.01522			
3605097.54	0.06612	0.07007	0.05258	0.03660	0.04130	
0.10052	0.02699	0.02174	0.01586			
3604847.54	0.08659	0.05297	0.04341	0.03376	0.03044	
0.03097	0.03844	0.03296	0.02461			
3604597.54	0.14394	0.08991	0.05652	0.04442	0.03456	
0.02973	0.03228	0.03356	0.04141			
3604347.54	0.51350	0.22625	0.11855	0.10177	0.05640	
0.04185	0.03242	0.03106	0.03160			
3604097.54	17.20910	2.11575	0.58171	0.23201	0.13310	
0.06828	0.05059	0.04478	0.03638			
3603847.54	100.10552	9.21936	2.92375	1.17998	0.39535	
0.18834	0.12315	0.10180	0.06427			
3603597.54	8.59382	1.58992	1.09972	1.00666	0.73762	
0.49944	0.32556	0.25730	0.14539			
3603347.54	9.43224	1.61818	0.42669	0.68905	1.56926	
0.58245	0.96494	0.51227	0.21804			
3603097.54	5.20697	4.47294	0.78694	2.40081	1.88808	
1.24930	1.11884	0.34376	0.18783			
3602847.54	2.74883	2.64382	2.79415	1.88701	1.49365	
1.29643	1.06808	0.77194	0.14745			
3602597.54	1.91216	1.85535	1.81117	1.50256	1.31095	
1.11586	0.94954	0.54527	0.11564			
3602347.54	1.46740	1.41635	1.33051	1.24062	1.14847	
0.92821	0.82420	0.74740	0.52787			
3602097.54	1.12466	1.11786	1.04680	1.01897	0.96740	
0.85525	0.74714	0.61663	0.56700			
3601847.54	0.90209	0.90393	0.89219	0.84925	0.80411	
0.73160	0.68995	0.60999	0.51898			
3601597.54	0.75153	0.77757	0.75168	0.72031	0.66871	
0.63938	0.59591	0.56996	0.46971			
3601347.54	0.63628	0.66521	0.64387	0.62303	0.56167	
0.55847	0.54023	0.49175	0.41038			
3601097.54	0.55260	0.56759	0.55818	0.54067	0.50182	
0.48928	0.47652	0.41086	0.41274			

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

PAGE 344
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP22
INCLUDING SOURCE(S): TP22 ,

GRIDCART ***
*** NETWORK ID: UCART1 ; NETWORK TYPE:
** CONC OF TAC IN MICROGRAMS/M**3

Y-COORD (METERS)	X-COORD (METERS)	510868.86	511118.86
3606097.54	0.00830	0.00746	
3605847.54	0.00917	0.00822	
3605597.54	0.01053	0.00935	
3605347.54	0.01332	0.01098	
3605097.54	0.01393	0.01346	
3604847.54	0.01902	0.01949	
3604597.54	0.03557	0.01988	
3604347.54	0.02547	0.02152	
3604097.54	0.02982	0.02557	
3603847.54	0.05121	0.04510	
3603597.54	0.10615	0.07428	
3603347.54	0.11168	0.09006	
3603097.54	0.12949	0.10078	
3602847.54	0.10579	0.11551	
3602597.54	0.10627	0.13476	
3602347.54	0.30268	0.37444	
3602097.54	0.51421	0.46525	
3601847.54	0.45202	0.41044	
3601597.54	0.44126	0.36956	
3601347.54	0.38402	0.36378	
3601097.54	0.34571	0.34091	

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

PAGE 345
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP22
INCLUDING SOURCE(S): TP22 ,
*** DISCRETE CARTESIAN RECEPTOR
POINTS ***
** CONC OF TAC IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	23.30906	507708.67
3603932.32	3.67072		
506203.59	3603369.23	0.51496	507919.87
3604794.52	1.64329		
507037.89	3604916.08	1.97758	

*** AERMOD - VERSION 18081 ***
Hills\Otay Hills.isc
*** AERMET - VERSION 18081 ***
*** 16:35:25

PAGE 346
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP23
INCLUDING SOURCE(S): TP23 ,

GRIDCAT ***		*** NETWORK ID: UCAT1			; NETWORK TYPE:	
**		** CONC OF TAC			IN MICROGRAMS/M**3	
Y-COORD (METERS)		504118.86	504368.86	504618.86	X-COORD (METERS) 504868.86	505118.86
505368.86		505618.86	505868.86	506118.86		

3606097.54		0.26672	0.30133	0.34302	0.39881	0.43477
0.51431	0.55752	0.56130	0.52178			
3605847.54		0.26226	0.29933	0.34073	0.40935	0.47800
0.54443	0.60795	0.67230	0.64641			
3605597.54		0.25301	0.28605	0.34104	0.40686	0.47399
0.55157	0.64154	0.74544	0.83896			
3605347.54		0.28453	0.29358	0.31133	0.34768	0.43755
0.52481	0.62333	0.75336	0.89135			
3605097.54		0.28312	0.31492	0.34818	0.35544	0.39190
0.45690	0.59016	0.70802	0.86158			
3604847.54		0.26888	0.29892	0.32507	0.36304	0.44011
0.44630	0.50930	0.65937	0.79294			
3604597.54		0.25221	0.27899	0.31366	0.36499	0.43399
0.44819	0.52791	0.57176	0.71408			
3604347.54		0.23808	0.26109	0.29277	0.33396	0.38900
0.45470	0.53363	0.61040	0.63188			
3604097.54		0.22113	0.25052	0.27460	0.30770	0.35102
0.40628	0.49431	0.57172	0.61182			
3603847.54		0.20409	0.22775	0.26157	0.28875	0.33245
0.38488	0.43514	0.48165	0.56767			
3603597.54		0.19122	0.20979	0.23803	0.26599	0.29330
0.33722	0.37642	0.42500	0.50097			
3603347.54		0.18117	0.20030	0.22298	0.24562	0.27352
0.30738	0.34922	0.40150	0.48264			
3603097.54		0.17381	0.18987	0.20816	0.23914	0.25984
0.28904	0.33937	0.38597	0.46898			
3602847.54		0.16749	0.18368	0.20657	0.22660	0.25164
0.28270	0.33346	0.38340	0.46273			
3602597.54		0.16445	0.18035	0.20206	0.22415	0.25097
0.28471	0.33110	0.37564	0.43411			
3602347.54		0.16270	0.17839	0.19676	0.21810	0.24762
0.28241	0.31527	0.34517	0.37738			
3602097.54		0.16135	0.17734	0.19615	0.21523	0.23753
0.25634	0.27670	0.30430	0.33150			
3601847.54		0.16070	0.17457	0.18736	0.20057	0.21595
0.22952	0.24967	0.27513	0.31070			
3601597.54		0.15542	0.16497	0.17323	0.18290	0.19432
0.21097	0.23140	0.25954	0.29662			
3601347.54		0.14563	0.15195	0.15944	0.16923	0.18379
0.20093	0.22243	0.25034	0.28236			
3601097.54		0.13502	0.14152	0.15077	0.16417	0.17824
0.19644	0.21714	0.24496	0.27363			

*** AERMOT - VERSION		18081	*** E:\Work\SRM 12 - Otay Hills\AERMOT\Otay Hills\Otay Hills.isc			
Hills\Otay Hills.isc		***	05/16/19			
*** AERMET - VERSION		18081	***			
***		16:35:25				

3 YEARS FOR SOURCE	*** THE ANNUAL AVERAGE CONCENTRATION GROUP: TP23 ***	VALUES AVERAGED OVER INCLUDING SOURCE(S):
		TP23 ,

PAGE 348
*** MODELOPTS: RegDEFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP23 ***

INCLUDING SOURCE(S) : TP23 ,

Otay Hills Quarry AERMOD Output File (HRA)

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**
Y-COORD | X-COORD (METERS)
(METERS) | 508618.86 508868.86 509118.86 509368.86 509618.86
509868.86 510118.86 510368.86 510618.86
-----
3606097.54 | 0.03338 0.03507 0.02090 0.03707 0.01942
0.01309 0.01156 0.01098 0.00927
3605847.54 | 0.09311 0.13669 0.03127 0.14869 0.02636
0.02015 0.01438 0.01280 0.01060
3605597.54 | 0.59786 0.22329 0.14357 0.14573 0.10050
0.04623 0.01838 0.01272 0.01149
3605347.54 | 0.11281 0.29141 0.21590 0.21676 0.21121
0.03198 0.02038 0.01570 0.01527
3605097.54 | 0.06666 0.07050 0.05292 0.03682 0.04152
0.10077 0.02710 0.02183 0.01592
3604847.54 | 0.08755 0.05337 0.04373 0.03399 0.03063
0.03114 0.03862 0.03309 0.02472
3604597.54 | 0.14624 0.09103 0.05710 0.04479 0.03481
0.02996 0.03250 0.03376 0.04166
3604347.54 | 0.52414 0.23081 0.12023 0.10286 0.05700
0.04221 0.03269 0.03134 0.03186
3604097.54 | 18.01909 2.16687 0.59522 0.23687 0.13541
0.06924 0.05120 0.04526 0.03673
3603847.54 | 99.52806 9.52309 3.00525 1.20906 0.40522
0.19232 0.12535 0.10340 0.06514
3603597.54 | 8.48693 1.56109 1.08102 1.00859 0.74270
0.50332 0.32825 0.25941 0.14686
3603347.54 | 9.34481 1.62005 0.42172 0.68384 1.56544
0.58177 0.96592 0.51390 0.21895
3603097.54 | 5.16578 4.45823 0.79052 2.41077 1.89221
1.24857 1.11757 0.34337 0.18778
3602847.54 | 2.73131 2.63681 2.78975 1.89194 1.49799
1.29931 1.06904 0.77092 0.14662
3602597.54 | 1.90160 1.85041 1.80783 1.50218 1.31417
1.11857 0.95137 0.54608 0.11530
3602347.54 | 1.46038 1.41273 1.32839 1.23847 1.14955
0.93022 0.82588 0.74864 0.52902
3602097.54 | 1.11983 1.11513 1.04500 1.01763 0.96650
0.85642 0.74875 0.61758 0.56779
3601847.54 | 0.89860 0.90180 0.89066 0.84833 0.80294
0.73162 0.69093 0.61115 0.51977
3601597.54 | 0.74889 0.77583 0.75048 0.71941 0.66802
0.63865 0.59631 0.57072 0.47042
3601347.54 | 0.63424 0.66378 0.64291 0.62218 0.56122
0.55778 0.53996 0.49222 0.41088
3601097.54 | 0.55097 0.56642 0.55738 0.53994 0.50136
0.48886 0.47596 0.41089 0.41316

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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PAGE 349
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP23 ***
INCLUDING SOURCE(S): TP23 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**
Y-COORD | X-COORD (METERS)
(METERS) | 510868.86 511118.86
-----
3606097.54 | 0.00832 0.00747
3605847.54 | 0.00919 0.00824
3605597.54 | 0.01056 0.00937
3605347.54 | 0.01336 0.01101
3605097.54 | 0.01399 0.01352
3604847.54 | 0.01910 0.01956
3604597.54 | 0.03576 0.01999
3604347.54 | 0.02565 0.02165
3604097.54 | 0.03008 0.02577
3603847.54 | 0.05183 0.04559
3603597.54 | 0.10722 0.07500
3603347.54 | 0.11227 0.09057
3603097.54 | 0.12963 0.10099
3602847.54 | 0.10534 0.11533
3602597.54 | 0.10572 0.13421
3602347.54 | 0.30288 0.37446
3602097.54 | 0.51493 0.46576
3601847.54 | 0.45256 0.41094
3601597.54 | 0.44186 0.36995
3601347.54 | 0.38455 0.36422
3601097.54 | 0.34609 0.34134

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

PAGE 350
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP23 ***
INCLUDING SOURCE(S): TP23 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**
X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC
-----
508226.78 3603955.63 22.36098 507708.67
3603932.32 3.61382
506203.59 3603369.23 0.51289 507919.87
3604794.52 1.68304
507037.89 3604916.08 1.97555

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP3          ***
      INCLUDING SOURCE(S):              TP3          ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          504118.86    504368.86    504618.86    504868.86    505118.86
505368.86    505618.86    505868.86    506118.86
-----
3606097.54 |    0.26771    0.30055    0.33814    0.38474    0.41375
0.47252    0.50185    0.50021    0.46698
3605847.54 |    0.26209    0.29861    0.33876    0.39946    0.45811
0.51121    0.55785    0.60128    0.57759
3605597.54 |    0.25028    0.28368    0.33601    0.39847    0.46148
0.53054    0.60450    0.68196    0.74404
3605347.54 |    0.27386    0.28537    0.30650    0.34494    0.42800
0.51183    0.60362    0.71545    0.82122
3605097.54 |    0.27552    0.30457    0.33516    0.34649    0.38436
0.44833    0.57118    0.68638    0.82779
3604847.54 |    0.26594    0.29482    0.32037    0.35624    0.42495
0.43727    0.49873    0.63191    0.76355
3604597.54 |    0.24972    0.27666    0.31113    0.36105    0.42832
0.44462    0.51916    0.56883    0.69573
3604347.54 |    0.23547    0.25852    0.28978    0.33019    0.38410
0.44916    0.52765    0.60381    0.64318
3604097.54 |    0.22083    0.24948    0.27376    0.30666    0.34932
0.40359    0.49057    0.56680    0.61400
3603847.54 |    0.20529    0.22887    0.26230    0.28986    0.33369
0.38692    0.43750    0.48583    0.57328
3603597.54 |    0.19073    0.20920    0.23661    0.26415    0.29145
0.33437    0.37362    0.42274    0.49720
3603347.54 |    0.17891    0.19752    0.21958    0.24195    0.26939
0.30258    0.34331    0.39372    0.46991
3603097.54 |    0.17161    0.18740    0.20531    0.23457    0.25464
0.28243    0.32858    0.37174    0.44701
3602847.54 |    0.16470    0.17997    0.20119    0.21997    0.24344
0.27251    0.31879    0.36473    0.43869
3602597.54 |    0.15997    0.17498    0.19526    0.21606    0.24105
0.27229    0.31611    0.36282    0.43093
3602347.54 |    0.15776    0.17262    0.18980    0.20984    0.23803
0.27373    0.31208    0.35049    0.38781
3602097.54 |    0.15595    0.17100    0.18934    0.20966    0.23512
0.25900    0.28319    0.31004    0.33090
3601847.54 |    0.15557    0.17037    0.18558    0.20209    0.22023
0.23437    0.25170    0.27234    0.30332
3601597.54 |    0.15374    0.16562    0.17615    0.18677    0.19710
0.21088    0.22805    0.25341    0.28807
3601347.54 |    0.14749    0.15485    0.16209    0.17031    0.18252
0.19748    0.21728    0.24360    0.27451
3601097.54 |    0.13729    0.14297    0.15068    0.16232    0.17493
0.19195    0.21157    0.23832    0.26729

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP3          ***
      INCLUDING SOURCE(S):              TP3          ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          506368.86    506618.86    506868.86    507118.86    507368.86
507618.86    507868.86    508118.86    508368.86
-----
3606097.54 |    0.47228    0.48453    0.45942    0.48006    0.41895
0.33934    0.18269    0.15527    0.04853
3605847.54 |    0.56198    0.56765    0.59238    0.57465    0.55026
0.39654    0.32729    0.35312    0.14679
3605597.54 |    0.71438    0.69509    0.69404    0.70811    0.75592
0.51000    0.38664    0.53306    0.50370
3605347.54 |    0.91568    0.96861    0.89059    0.86660    0.81968
0.71405    0.65002    0.62706    0.25122
3605097.54 |    0.98778    1.15361    1.29287    1.33597    1.22483
1.13664    0.98261    0.69071    0.08260
3604847.54 |    0.96120    1.21075    1.51879    1.81210    1.98905
2.04014    1.59789    1.06638    0.23684
3604597.54 |    0.87276    1.13513    1.49353    2.01306    2.65378
3.19416    3.12750    1.39813    0.23332
3604347.54 |    0.82264    1.01359    1.28151    1.77947    2.69230
4.00157    5.20102    4.91448    2.38369
3604097.54 |    0.70676    0.90947    1.21456    1.66469    2.25661
3.48705    6.50216    11.49549    10.01040
3603847.54 |    0.67243    0.77772    0.99653    1.28764    1.84565
2.82816    4.96203    10.56354    47.48907
3603597.54 |    0.61710    0.73080    0.88935    1.15067    1.48796
2.14460    3.55850    6.60764    18.48414
3603347.54 |    0.56070    0.68020    0.80491    1.05364    1.45714
1.90565    2.74645    4.34200    9.13147
3603097.54 |    0.53772    0.65129    0.79571    0.98855    1.21699
1.48141    2.09429    3.22928    4.78472
3602847.54 |    0.53186    0.64101    0.73050    0.83659    0.97981
1.24840    1.74277    2.36102    2.92140
3602597.54 |    0.50353    0.53446    0.61037    0.72670    0.86896
1.11086    1.41946    1.73361    2.04920
3602347.54 |    0.41384    0.46233    0.53960    0.65164    0.79513
0.94800    1.14182    1.32734    1.50476
3602097.54 |    0.36606    0.41630    0.49902    0.58978    0.69869
0.81010    0.94191    1.05148    1.15566
3601847.54 |    0.34344    0.39643    0.47006    0.53598    0.60994
0.69783    0.78973    0.85641    0.93138
3601597.54 |    0.32707    0.37732    0.43272    0.48262    0.54020
0.60784    0.66887    0.72225    0.76495
3601347.54 |    0.31234    0.35551    0.39658    0.43989    0.48812
0.53264    0.57963    0.61403    0.65155
3601097.54 |    0.29981    0.33256    0.36533    0.40149    0.44000
0.47252    0.50127    0.53539    0.56620

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP3          ***
      INCLUDING SOURCE(S):              TP3          ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          508618.86  508868.86  509118.86  509368.86  509618.86
509868.86  510118.86  510368.86  510618.86
-----
3606097.54 |          0.03332  0.03679  0.02093  0.04262  0.01948
0.01282    0.01108    0.01069    0.00923
3605847.54 |          0.12820  0.16938  0.03165  0.17362  0.02660
0.01970    0.01419    0.01288    0.01063
3605597.54 |          0.52261  0.26261  0.18632  0.17642  0.12429
0.06708    0.01889    0.01276    0.01126
3605347.54 |          0.15533  0.34840  0.26616  0.25139  0.26131
0.03633    0.02246    0.01516    0.01471
3605097.54 |          0.06124  0.07094  0.05069  0.03466  0.04774
0.13515    0.02634    0.02113    0.01558
3604847.54 |          0.07773  0.04638  0.04067  0.03274  0.03154
0.02871    0.03847    0.03369    0.02403
3604597.54 |          0.12296  0.07904  0.05291  0.04422  0.03190
0.02674    0.02871    0.03100    0.03968
3604347.54 |          0.54076  0.20837  0.11341  0.09136  0.04663
0.03672    0.02951    0.02738    0.02677
3604097.54 |          7.61707  2.76632  0.55013  0.16423  0.09747
0.05132    0.04028    0.03725    0.03107
3603847.54 |          53.07474  7.15618  2.71750  1.05014  0.24959
0.12401    0.08640    0.07538    0.04926
3603597.54 |          35.59486  4.55669  1.84222  1.20709  0.80595
0.51249    0.30820    0.24008    0.12427
3603347.54 |          13.48456  3.09062  0.76539  1.18664  2.42560
0.79361    1.30406    0.66876    0.23077
3603097.54 |          6.53274  5.56475  1.31181  2.96448  2.12987
1.66595    1.40528    0.45758    0.21385
3602847.54 |          3.32669  3.13083  3.28553  2.05233  1.58439
1.44017    1.17147    0.96919    0.18614
3602597.54 |          2.22410  2.15168  2.02419  1.66337  1.38155
1.16505    0.99867    0.70429    0.14453
3602347.54 |          1.64121  1.60140  1.47757  1.36097  1.21595
0.96800    0.85061    0.79128    0.61732
3602097.54 |          1.24150  1.24140  1.15480  1.10157  1.03217
0.89150    0.84904    0.70617    0.58047
3601847.54 |          0.98291  0.99107  0.96461  0.90908  0.85729
0.77057    0.71066    0.68757    0.52952
3601597.54 |          0.80768  0.83506  0.80486  0.76603  0.70973
0.67532    0.61812    0.58405    0.47895
3601347.54 |          0.67706  0.70657  0.68382  0.65824  0.59590
0.58741    0.56234    0.50544    0.42345
3601097.54 |          0.58207  0.59943  0.58890  0.56848  0.52825
0.51172    0.49712    0.43051    0.42177

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP3          ***
      INCLUDING SOURCE(S):              TP3          ,

*** NETWORK ID: UCART1      ; NETWORK TYPE:

GRIDCART ***

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

**
      Y-COORD |          X-COORD (METERS)
      (METERS) |          510868.86  511118.86
-----
3606097.54 |          0.00825  0.00742
3605847.54 |          0.00909  0.00803
3605597.54 |          0.01020  0.00927
3605347.54 |          0.01333  0.01059
3605097.54 |          0.01299  0.01217
3604847.54 |          0.01741  0.01866
3604597.54 |          0.03474  0.01886
3604347.54 |          0.02167  0.01870
3604097.54 |          0.02601  0.02267
3603847.54 |          0.04059  0.03660
3603597.54 |          0.08965  0.06234
3603347.54 |          0.10776  0.08499
3603097.54 |          0.13885  0.10394
3602847.54 |          0.12537  0.13022
3602597.54 |          0.13376  0.16721
3602347.54 |          0.39969  0.46751
3602097.54 |          0.52762  0.48382
3601847.54 |          0.46084  0.41692
3601597.54 |          0.44906  0.37645
3601347.54 |          0.39120  0.36889
3601097.54 |          0.35519  0.34511

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION  VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP3          ***
      INCLUDING SOURCE(S):              TP3          ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**
      X-COORD (M)  Y-COORD (M)  CONC          X-COORD (M)
      Y-COORD (M)  CONC
-----
      508226.78  3603955.63  20.04896  507708.67
3603932.32      3.75033
      506203.59  3603369.23  0.49923  507919.87
3604794.52      1.57724
      507037.89  3604916.08  1.64622

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Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP4 ***
INCLUDING SOURCE(S): TP4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	504118.86	504368.86	504618.86	504868.86	505118.86
505368.86	505618.86	505868.86	506118.86		

3606097.54	0.26835	0.30158	0.33997	0.38847	0.41795
0.48119	0.51249	0.51026	0.47349		
3605847.54	0.26310	0.30014	0.34080	0.40388	0.46476
0.51999	0.56887	0.61523	0.58752		
3605597.54	0.25131	0.28508	0.33905	0.40339	0.46798
0.53909	0.61595	0.69764	0.76383		
3605347.54	0.27746	0.28800	0.30812	0.34639	0.43296
0.51913	0.61348	0.72981	0.84082		
3605097.54	0.27905	0.30878	0.33995	0.34943	0.38678
0.45172	0.57999	0.69797	0.84387		
3604847.54	0.26879	0.29818	0.32381	0.36018	0.43171
0.44089	0.50242	0.64205	0.77623		
3604597.54	0.25220	0.27942	0.31441	0.36551	0.43430
0.44938	0.52586	0.57262	0.70408		
3604347.54	0.23783	0.26106	0.29279	0.33396	0.38903
0.45537	0.53541	0.61298	0.64614		
3604097.54	0.22274	0.25201	0.27649	0.30987	0.35333
0.40875	0.49770	0.57559	0.62049		
3603847.54	0.20678	0.23074	0.26489	0.29276	0.33740
0.39148	0.44295	0.49142	0.58036		
3603597.54	0.19222	0.21088	0.23890	0.26688	0.29443
0.33825	0.37786	0.42731	0.50328		
3603347.54	0.18050	0.19945	0.22192	0.24458	0.27243
0.30615	0.34760	0.39897	0.47741		
3603097.54	0.17317	0.18916	0.20729	0.23732	0.25753
0.28570	0.33328	0.37736	0.45528		
3602847.54	0.16621	0.18175	0.20351	0.22261	0.24652
0.27617	0.32394	0.37104	0.44744		
3602597.54	0.16166	0.17694	0.19772	0.21891	0.24442
0.27641	0.32148	0.36902	0.43774		
3602347.54	0.15951	0.17461	0.19210	0.21251	0.24141
0.27784	0.31636	0.35423	0.39091		
3602097.54	0.15771	0.17304	0.19173	0.21224	0.23781
0.26135	0.28518	0.31220	0.33392		
3601847.54	0.15737	0.17228	0.18740	0.20368	0.22165
0.23566	0.25344	0.27498	0.30708		
3601597.54	0.15518	0.16689	0.17716	0.18766	0.19813
0.21242	0.23026	0.25637	0.29184		
3601347.54	0.14836	0.15558	0.16285	0.17129	0.18397
0.19943	0.21970	0.24655	0.27798		
3601097.54	0.13791	0.14370	0.15167	0.16370	0.17667
0.19405	0.21402	0.24124	0.27054		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP4 ***
INCLUDING SOURCE(S): TP4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	506368.86	506618.86	506868.86	507118.86	507368.86
507618.86	507868.86	508118.86	508368.86		

3606097.54	0.48010	0.49507	0.47029	0.49112	0.42687
0.32889	0.16394	0.14060	0.04613		
3605847.54	0.57054	0.57802	0.60830	0.59306	0.55737
0.38564	0.30993	0.32660	0.13090		
3605597.54	0.72840	0.70709	0.70771	0.72818	0.77153
0.49336	0.36024	0.54705	0.51879		
3605347.54	0.94143	0.99869	0.90882	0.88431	0.83848
0.73487	0.67247	0.64892	0.22083		
3605097.54	1.01094	1.18768	1.34042	1.39153	1.26746
1.18310	1.02543	0.65287	0.08112		
3604847.54	0.97990	1.23944	1.56788	1.89039	2.09265
2.14012	1.56351	1.01978	0.20864		
3604597.54	0.88795	1.16007	1.53066	2.07947	2.78344
3.38359	3.31147	1.21993	0.22348		
3604347.54	0.83324	1.02786	1.30035	1.82036	2.78354
4.20482	5.62630	5.39706	2.11424		
3604097.54	0.70941	0.91758	1.23333	1.69995	2.29919
3.58190	6.83365	12.63041	11.51910		
3603847.54	0.67997	0.78064	1.00271	1.29179	1.86486
2.87322	5.08322	10.69057	50.23288		
3603597.54	0.62691	0.74274	0.90395	1.17312	1.51380
2.19313	3.69805	6.75624	18.70135		
3603347.54	0.57077	0.69410	0.82201	1.08203	1.50506
1.94623	2.77444	4.40074	9.12920		
3603097.54	0.54901	0.66661	0.81556	1.00949	1.23153
1.50038	2.13524	3.23545	4.74684		
3602847.54	0.54294	0.65272	0.73978	0.84583	0.99682
1.26875	1.75824	2.36203	2.89152		
3602597.54	0.50923	0.53899	0.61781	0.74026	0.88441
1.12298	1.42793	1.72719	2.04005		
3602347.54	0.41732	0.46819	0.54861	0.66323	0.80598
0.95364	1.14433	1.32230	1.49856		
3602097.54	0.37064	0.42229	0.50693	0.59732	0.70447
0.81403	0.94279	1.04840	1.15067		
3601847.54	0.34821	0.40210	0.47650	0.54075	0.61352
0.70064	0.79047	0.85466	0.92901		
3601597.54	0.33148	0.38216	0.43715	0.48598	0.54325
0.60994	0.66959	0.72235	0.76336		
3601347.54	0.31617	0.35927	0.39981	0.44310	0.49124
0.53427	0.58097	0.61450	0.65156		
3601097.54	0.30305	0.33548	0.36814	0.40454	0.44271
0.47415	0.50238	0.53654	0.56725		

Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP4 ***
INCLUDING SOURCE(S): TP4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509368.86
510118.86	509618.86
510368.86	
510618.86	

3606097.54	0.03274	0.03553	0.02058	0.03944	0.01914
0.01275	0.01110	0.01067	0.00922		
3605847.54	0.11210	0.15410	0.03076	0.16028	0.02609
0.01953	0.01409	0.01280	0.01055		
3605597.54	0.53390	0.24266	0.16680	0.16108	0.11013
0.05942	0.01863	0.01269	0.01124		
3605347.54	0.13412	0.31985	0.24099	0.23061	0.24170
0.03434	0.02191	0.01502	0.01472		
3605097.54	0.06088	0.06812	0.05006	0.03440	0.04480
0.11650	0.02539	0.02079	0.01542		
3604847.54	0.07779	0.04657	0.04025	0.03262	0.03096
0.02856	0.03689	0.03259	0.02361		
3604597.54	0.12328	0.07953	0.05269	0.04348	0.03193
0.02657	0.02871	0.03071	0.03841		
3604347.54	0.46950	0.20818	0.10887	0.08987	0.04713
0.03716	0.02960	0.02742	0.02695		
3604097.54	8.60971	2.27582	0.46448	0.16238	0.09862
0.05264	0.04121	0.03787	0.03144		
3603847.54	67.28089	6.35858	2.35814	0.93410	0.25571
0.12871	0.08917	0.07699	0.05044		
3603597.54	22.46598	3.79175	1.73096	1.16024	0.77452
0.49805	0.30467	0.23715	0.12522		
3603347.54	13.23839	2.48867	0.68702	1.05418	2.17437
0.72481	1.18893	0.60110	0.22447		
3603097.54	6.50591	5.52110	1.09400	2.89884	2.11632
1.57042	1.33954	0.41904	0.20755		
3602847.54	3.26287	3.08516	3.21292	2.04500	1.58707
1.42595	1.16627	0.92521	0.17822		
3602597.54	2.19165	2.12023	2.01778	1.65052	1.38435
1.17076	1.00071	0.65295	0.13720		
3602347.54	1.62872	1.58354	1.46688	1.35534	1.21785
0.96936	0.85495	0.78905	0.59211		
3602097.54	1.23235	1.23031	1.14538	1.09926	1.03245
0.89369	0.82506	0.68520	0.58349		
3601847.54	0.97685	0.98348	0.96110	0.90772	0.85709
0.77019	0.71392	0.66005	0.53218		
3601597.54	0.80441	0.83254	0.80288	0.76521	0.70886
0.67506	0.61914	0.58697	0.48077		
3601347.54	0.67524	0.70573	0.68282	0.65811	0.59402
0.58761	0.56334	0.50680	0.42319		
3601097.54	0.58159	0.59886	0.58848	0.56854	0.52744
0.51203	0.49783	0.42895	0.42315		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP4 ***
INCLUDING SOURCE(S): TP4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86

3606097.54	0.00823	0.00739
3605847.54	0.00905	0.00804
3605597.54	0.01022	0.00926
3605347.54	0.01327	0.01057
3605097.54	0.01296	0.01220
3604847.54	0.01751	0.01862
3604597.54	0.03375	0.01877
3604347.54	0.02197	0.01895
3604097.54	0.02627	0.02287
3603847.54	0.04141	0.03727
3603597.54	0.09077	0.06330
3603347.54	0.10764	0.08503
3603097.54	0.13671	0.10304
3602847.54	0.12202	0.12705
3602597.54	0.12776	0.15872
3602347.54	0.36348	0.44102
3602097.54	0.52964	0.48379
3601847.54	0.46296	0.41902
3601597.54	0.45136	0.37777
3601347.54	0.39231	0.37068
3601097.54	0.35513	0.34670

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP4 ***
INCLUDING SOURCE(S): TP4 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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

Otay Hills Quarry AERMOD Output File (HRA)

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-----
508226.78 3603955.63 21.60049 507708.67
3603932.32 3.83446
506203.59 3603369.23 0.50738 507919.87
3604794.52 1.50261
507037.89 3604916.08 1.71442

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP5
INCLUDING SOURCE(S): TP5 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) | 504118.86 504368.86 504618.86 504868.86 505118.86
505368.86 505618.86 505868.86 506118.86
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3606097.54 | 0.26851 0.30184 0.34041 0.38934 0.41892
0.48318 0.51493 0.51257 0.47499
3605847.54 | 0.26335 0.30051 0.34128 0.40491 0.46629
0.52201 0.57140 0.61843 0.58981
3605597.54 | 0.25156 0.28541 0.33976 0.40451 0.46946
0.54104 0.61857 0.70122 0.76836
3605347.54 | 0.27827 0.28861 0.30851 0.34675 0.43411
0.52079 0.61573 0.73307 0.84530
3605097.54 | 0.27983 0.30973 0.34103 0.35012 0.38737
0.45254 0.58202 0.70062 0.84755
3604847.54 | 0.26942 0.29894 0.32459 0.36109 0.43323
0.44175 0.50331 0.64441 0.77920
3604597.54 | 0.25275 0.28004 0.31515 0.36650 0.43560
0.45047 0.52740 0.57353 0.70606
3604347.54 | 0.23836 0.26163 0.29347 0.33481 0.39013
0.45674 0.53710 0.61503 0.64686
3604097.54 | 0.22316 0.25257 0.27710 0.31059 0.35424
0.40990 0.49924 0.57751 0.62202
3603847.54 | 0.20711 0.23116 0.26545 0.29340 0.33820
0.39245 0.44413 0.49267 0.58196
3603597.54 | 0.19255 0.21127 0.23941 0.26749 0.29510
0.33912 0.37883 0.42837 0.50470
3603347.54 | 0.18086 0.19988 0.22245 0.24517 0.27312
0.30696 0.34857 0.40017 0.47910
3603097.54 | 0.17352 0.18955 0.20773 0.23794 0.25818
0.28645 0.33435 0.37865 0.45715
3602847.54 | 0.16655 0.18215 0.20403 0.22321 0.24722
0.27701 0.32511 0.37248 0.44941
3602597.54 | 0.16204 0.17738 0.19827 0.21956 0.24518
0.27734 0.32269 0.37040 0.43920
3602347.54 | 0.15991 0.17506 0.19262 0.21312 0.24217
0.27875 0.31728 0.35500 0.39154
3602097.54 | 0.15811 0.17351 0.19227 0.21282 0.23841
0.26185 0.28559 0.31265 0.33460

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3601847.54 | 0.15778 0.17271 0.18780 0.20402 0.22194
0.23594 0.25383 0.27557 0.30793
3601597.54 | 0.15549 0.16716 0.17737 0.18785 0.19836
0.21277 0.23076 0.25704 0.29269
3601347.54 | 0.14855 0.15574 0.16301 0.17151 0.18429
0.19986 0.22024 0.24722 0.27876
3601097.54 | 0.13804 0.14385 0.15189 0.16401 0.17705
0.19452 0.21457 0.24190 0.27127

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP5
INCLUDING SOURCE(S): TP5 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) | 506368.86 506618.86 506868.86 507118.86 507368.86
507618.86 507868.86 508118.86 508368.86
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3606097.54 | 0.48190 0.49749 0.47278 0.49345 0.42853
0.32723 0.15907 0.13750 0.04573
3605847.54 | 0.57251 0.58041 0.61196 0.59720 0.55891
0.38340 0.30580 0.32231 0.12766
3605597.54 | 0.73165 0.70986 0.71087 0.73281 0.77423
0.48959 0.35408 0.55004 0.52209
3605347.54 | 0.94735 1.00566 0.91305 0.88842 0.84280
0.73964 0.67760 0.65387 0.21458
3605097.54 | 1.01627 1.19555 1.35142 1.40444 1.27747
1.19391 1.03498 0.64349 0.08085
3604847.54 | 0.98422 1.24605 1.57918 1.90835 2.11611
2.16151 1.55284 1.00808 0.20371
3604597.54 | 0.89154 1.16587 1.53925 2.09474 2.81303
3.42475 3.35013 1.18076 0.22188
3604347.54 | 0.83573 1.03125 1.30492 1.83027 2.80473
4.25227 5.72777 5.51216 2.04902
3604097.54 | 0.71010 0.91957 1.23779 1.70821 2.30959
3.60558 6.91391 12.91832 11.90734
3603847.54 | 0.68171 0.78139 1.00427 1.29296 1.86977
2.88475 5.11432 10.72794 50.90295
3603597.54 | 0.62911 0.74548 0.90740 1.17843 1.52031
2.20561 3.73330 6.79257 18.79004
3603347.54 | 0.57304 0.69723 0.82602 1.08863 1.51588
1.95561 2.78238 4.41714 9.13444
3603097.54 | 0.55155 0.67005 0.82003 1.01410 1.23476
1.50545 2.14545 3.23796 4.74047
3602847.54 | 0.54536 0.65516 0.74169 0.84790 1.00092
1.27372 1.76209 2.36279 2.88563
3602597.54 | 0.51035 0.53996 0.61949 0.74336 0.88805
1.12585 1.43007 1.72601 2.03834
3602347.54 | 0.41809 0.46953 0.55067 0.66590 0.80848
0.95502 1.14503 1.32132 1.49734
3602097.54 | 0.37168 0.42367 0.50874 0.59905 0.70580
0.81500 0.94306 1.04780 1.14965

```


Otay Hills Quarry AERMOD Output File (HRA)

3601847.54		0.34929	0.40340	0.47796	0.54183	0.61436
0.70131	0.79067	0.85431	0.92852			
3601597.54		0.33248	0.38325	0.43815	0.48674	0.54397
0.61043	0.66976	0.72239	0.76303			
3601347.54		0.31704	0.36011	0.40053	0.44383	0.49195
0.53464	0.58127	0.61461	0.65156			
3601097.54		0.30377	0.33612	0.36877	0.40523	0.44331
0.47451	0.50263	0.53678	0.56748			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP5 ***
 INCLUDING SOURCE(S): TP5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD					X-COORD (METERS)	
(METERS)		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.03260	0.03531	0.02053	0.03886	0.01909
0.01274	0.01108	0.01067	0.00921			
3605847.54		0.10896	0.15084	0.03061	0.15754	0.02598
0.01951	0.01408	0.01279	0.01054			
3605597.54		0.53624	0.23841	0.16268	0.15782	0.10734
0.05793	0.01856	0.01267	0.01123			
3605347.54		0.13012	0.31391	0.23572	0.22617	0.23736
0.03398	0.02177	0.01501	0.01472			
3605097.54		0.06080	0.06737	0.04996	0.03437	0.04429
0.11284	0.02532	0.02077	0.01541			
3604847.54		0.07784	0.04653	0.04021	0.03260	0.03079
0.02855	0.03667	0.03241	0.02354			
3604597.54		0.12340	0.07965	0.05274	0.04333	0.03196
0.02658	0.02874	0.03065	0.03819			
3604347.54		0.45868	0.20828	0.10801	0.08971	0.04720
0.03730	0.02963	0.02744	0.02700			
3604097.54		8.83892	2.17451	0.45060	0.16252	0.09894
0.05296	0.04144	0.03796	0.03154			
3603847.54		68.68452	6.19221	2.29100	0.91539	0.25668
0.12986	0.08985	0.07746	0.05072			
3603597.54		20.43302	3.63949	1.70526	1.14991	0.76806
0.49513	0.30400	0.23661	0.12551			
3603347.54		13.17891	2.38247	0.67112	1.02777	2.11848
0.71146	1.16363	0.58791	0.22316			
3603097.54		6.49411	5.50570	1.05432	2.87948	2.11140
1.54829	1.32476	0.41155	0.20620			
3602847.54		3.24929	3.07530	3.19033	2.04310	1.58733
1.42166	1.16438	0.91483	0.17652			
3602597.54		2.18466	2.11335	2.01607	1.64755	1.38469
1.17154	1.00060	0.64143	0.13569			
3602347.54		1.62605	1.57959	1.46445	1.35399	1.21803
0.96952	0.85566	0.78811	0.58609			
3602097.54		1.23037	1.22784	1.14326	1.09863	1.03236
0.89401	0.81936	0.67996	0.58400			

3601847.54		0.97553	0.98178	0.96026	0.90732	0.85695
0.77001	0.71447	0.65646	0.53265			
3601597.54		0.80370	0.83195	0.80239	0.76495	0.70860
0.67493	0.61928	0.58745	0.48111			
3601347.54		0.67484	0.70551	0.68255	0.65802	0.59356
0.58760	0.56349	0.50702	0.42309			
3601097.54		0.58148	0.59870	0.58834	0.56850	0.52721
0.51205	0.49793	0.42857	0.42340			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP5 ***
 INCLUDING SOURCE(S): TP5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD					X-COORD (METERS)	
(METERS)		510868.86	511118.86			

3606097.54		0.00823	0.00739
3605847.54		0.00905	0.00804
3605597.54		0.01023	0.00926
3605347.54		0.01316	0.01057
3605097.54		0.01297	0.01223
3604847.54		0.01755	0.01862
3604597.54		0.03349	0.01876
3604347.54		0.02202	0.01902
3604097.54		0.02634	0.02292
3603847.54		0.04162	0.03743
3603597.54		0.09096	0.06353
3603347.54		0.10760	0.08509
3603097.54		0.13623	0.10279
3602847.54		0.12129	0.12637
3602597.54		0.12645	0.15695
3602347.54		0.35608	0.43499
3602097.54		0.52991	0.48360
3601847.54		0.46335	0.41940
3601597.54		0.45176	0.37801
3601347.54		0.39251	0.37101
3601097.54		0.35508	0.34699

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP5 ***
 INCLUDING SOURCE(S): TP5 ,

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*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)  Y-COORD (M)  CONC          X-COORD (M)
Y-COORD (M)  CONC
-----
508226.78    3603955.63    22.00247      507708.67
3603932.32    3.85564
506203.59    3603369.23    0.50921      507919.87
3604794.52    1.48198
507037.89    3604916.08    1.73004

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***      05/16/19
*** AERMET - VERSION 18081 *** ***
***      16:35:25

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*** MODELOPTs: ReqDFAULT CONC ELEV RURAL ADJ U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP6 ***
INCLUDING SOURCE(S): TP6

```
*** NETWORK ID: UCART1      ; NETWORK TYPE:
```

GRIDCART ***

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

Y-COORD (METERS)		X-COORD (METERS)			
505368.86		504118.86	504368.86	504618.86	504868.86
		505868.86	506118.86		505118.86

3606097.54		0.26438	0.29732	0.33570	0.38441	0.41546
0.47923	0.51252	0.51335	0.47993			
3605847.54		0.25892	0.29499	0.33490	0.39682	0.45753
0.51393	0.56508	0.61426	0.59216			
3605597.54		0.24806	0.28064	0.33260	0.39478	0.45782
0.52820	0.60577	0.68990	0.76044			
3605347.54		0.27368	0.28417	0.30381	0.34070	0.42358
0.50652	0.59839	0.71348	0.82698			
3605097.54		0.27470	0.30397	0.33462	0.34446	0.38085
0.44319	0.56535	0.67831	0.82000			
3604847.54		0.26384	0.29261	0.31792	0.35375	0.42337
0.43360	0.49360	0.62678	0.75409			
3604597.54		0.24755	0.27396	0.30788	0.35732	0.42398
0.43924	0.51366	0.56073	0.68787			
3604347.54		0.23369	0.25630	0.28706	0.32686	0.37994
0.44374	0.52053	0.59476	0.62840			
3604097.54		0.21879	0.24720	0.27101	0.30337	0.34538
0.39879	0.48437	0.55885	0.60214			
3603847.54		0.20301	0.22624	0.25928	0.28623	0.32928
0.38136	0.43067	0.47708	0.56188			
3603597.54		0.18891	0.20709	0.23426	0.26139	0.28809
0.33038	0.36862	0.41628	0.48909			
3603347.54		0.17775	0.19622	0.21810	0.24015	0.26720
0.29989	0.33997	0.38955	0.46493			
3603097.54		0.17062	0.18622	0.20391	0.23308	0.25280
0.28025	0.32636	0.36916	0.44438			

3602847.54		0.16383	0.17904	0.20029	0.21899	0.24237
0.27131	0.31766	0.36339	0.43723			
3602597.54		0.15950	0.17449	0.19481	0.21553	0.24043
0.27161	0.31540	0.36143	0.42753			
3602347.54		0.15747	0.17226	0.18940	0.20938	0.23757
0.27296	0.31020	0.34662	0.38186			
3602097.54		0.15573	0.17077	0.18907	0.20909	0.23391
0.25666	0.27965	0.30578	0.32682			
3601847.54		0.15542	0.17001	0.18474	0.20054	0.21794
0.23153	0.24881	0.26973	0.30083			
3601597.54		0.15319	0.16459	0.17457	0.18478	0.19498
0.20891	0.22629	0.25165	0.28604			
3601347.54		0.14640	0.15343	0.16052	0.16878	0.18116
0.19624	0.21599	0.24209	0.27261			
3601097.54		0.13610	0.14178	0.14959	0.16136	0.17403
0.19098	0.21044	0.23692	0.26544			

```

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: ReqDFault CONC ELEV RURAL ADJ U*

3 YEARS FOR SOURCE GROUP: TP6	** THE ANNUAL AVERAGE CONCENTRATION ***	VALUES AVERAGED OVER
	INCLUDING SOURCE(S):	TP6

```
*** NETWORK ID: UCART1      : NETWORK TYPE:
```

GRIDCART ***

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

Y-COORD (METERS)				X-COORD (METERS)
507618.86	507868.86	508118.86	508368.86	507118.86 507368.86

3606097.54		0.48665	0.50183	0.48069	0.50729	0.43871
0.33937	0.17790	0.15138	0.04810			
3605847.54		0.57921	0.58712	0.61802	0.60864	0.58075
0.40117	0.32871	0.34852	0.14138			
3605597.54		0.73361	0.71899	0.72107	0.74403	0.80595
0.52845	0.38200	0.55714	0.52450			
3605347.54		0.93388	1.00099	0.92552	0.90543	0.86760
0.76989	0.68850	0.66073	0.24489			
3605097.54		0.98702	1.17098	1.33860	1.40956	1.29820
1.23183	1.07325	0.70459	0.08557			
3604847.54		0.94739	1.19847	1.52891	1.87510	2.12127
2.20870	1.76737	1.09788	0.23244			
3604597.54		0.86352	1.11982	1.46742	1.99580	2.72333
3.43789	3.47643	1.46044	0.24474			
3604347.54		0.80724	0.99488	1.25636	1.74294	2.62939
3.99954	5.65963	5.81580	2.49922			
3604097.54		0.68783	0.88446	1.18014	1.61465	2.17515
3.35484	6.24042	12.19059	13.85874			
3603847.54		0.65667	0.75299	0.96174	1.23202	1.75808
2.66535	4.58773	9.21897	37.45867			
3603597.54		0.60688	0.71692	0.86944	1.12191	1.44035
2.06640	3.42261	6.06835	15.29444			
3603347.54		0.55448	0.67244	0.79468	1.04098	1.43759
1.84456	2.58933	4.02342	8.16110			
3603097.54		0.53470	0.64755	0.78949	0.97209	1.17860
1.42832	2.01104	3.02127	4.43119			

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54		0.52914	0.63385	0.71573	0.81583	0.95814
1.21343	1.67303	2.24002	2.75250			
3602597.54		0.49597	0.52407	0.59937	0.71569	0.85239
1.07975	1.36899	1.65856	1.95980			
3602347.54		0.40728	0.45619	0.53315	0.64257	0.77947
0.92197	1.10451	1.27942	1.44980			
3602097.54		0.36229	0.41204	0.49331	0.58051	0.68432
0.78971	0.91504	1.01921	1.11890			
3601847.54		0.34059	0.39260	0.46446	0.52718	0.59775
0.68184	0.77039	0.83364	0.90626			
3601597.54		0.32443	0.37356	0.42717	0.47491	0.53024
0.59540	0.65454	0.70609	0.74672			
3601347.54		0.30973	0.35178	0.39149	0.43350	0.48016
0.52296	0.56896	0.60192	0.63840			
3601097.54		0.29722	0.32904	0.36093	0.39615	0.43354
0.46503	0.49287	0.52631	0.55649			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP6
 INCLUDING SOURCE(S): TP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)					X-COORD (METERS)	
509868.86	510118.86	508868.86	509118.86	509368.86	509618.86	

3606097.54		0.03364	0.03641	0.02125	0.04094	0.01951
0.01299	0.01124	0.01080	0.00933			
3605847.54		0.12127	0.16184	0.03174	0.16915	0.02674
0.01985	0.01433	0.01302	0.01071			
3605597.54		0.54256	0.25555	0.17890	0.17022	0.11693
0.06316	0.01902	0.01291	0.01141			
3605347.54		0.14715	0.34064	0.25873	0.24409	0.25521
0.03571	0.02249	0.01529	0.01496			
3605097.54		0.06324	0.07198	0.05177	0.03537	0.04710
0.12601	0.02657	0.02131	0.01580			
3604847.54		0.08161	0.04842	0.04200	0.03379	0.03206
0.02944	0.03827	0.03388	0.02426			
3604597.54		0.13105	0.08335	0.05539	0.04552	0.03305
0.02741	0.02965	0.03170	0.04014			
3604347.54		0.53261	0.22314	0.11763	0.09555	0.04939
0.03886	0.03054	0.02832	0.02788			
3604097.54		9.57224	2.76513	0.53284	0.17880	0.10647
0.05592	0.04341	0.03962	0.03269			
3603847.54		116.01419	8.68585	2.89804	1.09719	0.29022
0.14226	0.09693	0.08301	0.05360			
3603597.54		24.85675	3.40238	1.79869	1.25274	0.83711
0.53775	0.32874	0.25526	0.13367			
3603347.54		12.27184	2.77260	0.64621	1.03735	2.26600
0.75744	1.25810	0.64036	0.23339			
3603097.54		6.13677	5.39079	1.19018	2.96741	2.11892
1.58945	1.36111	0.43115	0.21161			

3602847.54		3.13564	3.03418	3.19113	2.07094	1.60117
1.43972	1.16276	0.93400	0.17724			
3602597.54		2.12061	2.08833	1.98890	1.65042	1.39737
1.17842	1.00644	0.67777	0.13598			
3602347.54		1.58182	1.56017	1.45185	1.33983	1.22115
0.97738	0.85928	0.79503	0.60831			
3602097.54		1.20175	1.21278	1.13417	1.08798	1.02547
0.89744	0.84300	0.69820	0.58525			
3601847.54		0.95528	0.97010	0.95056	0.90001	0.84800
0.76944	0.71648	0.67185	0.53393			
3601597.54		0.78813	0.82070	0.79443	0.75838	0.70311
0.66985	0.62000	0.58883	0.48293			
3601347.54		0.66264	0.69587	0.67592	0.65179	0.59064
0.58220	0.56086	0.50794	0.42525			
3601097.54		0.57136	0.59092	0.58269	0.56320	0.52403
0.50835	0.49367	0.42929	0.42412			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP6
 INCLUDING SOURCE(S): TP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)				X-COORD (METERS)
510868.86	511118.86			

3606097.54		0.00833	0.00748
3605847.54		0.00919	0.00813
3605597.54		0.01036	0.00939
3605347.54		0.01348	0.01073
3605097.54		0.01318	0.01248
3604847.54		0.01790	0.01903
3604597.54		0.03509	0.01916
3604347.54		0.02271	0.01954
3604097.54		0.02716	0.02354
3603847.54		0.04373	0.03912
3603597.54		0.09629	0.06679
3603347.54		0.11182	0.08845
3603097.54		0.13939	0.10536
3602847.54		0.12152	0.12821
3602597.54		0.12613	0.15975
3602347.54		0.37853	0.44748
3602097.54		0.53139	0.48455
3601847.54		0.46410	0.42006
3601597.54		0.45258	0.37862
3601347.54		0.39397	0.37150
3601097.54		0.35667	0.34776

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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Otay Hills Quarry AERMOD Output File (HRA)

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP6
 INCLUDING SOURCE(S): TP6 ,
 *** DISCRETE CARTESIAN RECEPTOR
 POINTS ***
 ** CONC OF TAC IN MICROGRAMS/M**3
 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	18.68775	507708.67
3603932.32	3.52902		
506203.59	3603369.23	0.49365	507919.87
3604794.52	1.73951		
507037.89	3604916.08	1.70272	

 *** AERMOD - VERSION 18081 ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP7
 INCLUDING SOURCE(S): TP7 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***
 ** CONC OF TAC IN MICROGRAMS/M**3
 **

Y-COORD (METERS)	X-COORD (METERS)	CONC	Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86	504368.86	504618.86	504868.86
505618.86	505868.86	506118.86		

 3606097.54 | 0.26281 0.29481 0.33130 0.37557 0.40525
 0.45866 0.48709 0.48895 0.46300
 3605847.54 | 0.25650 0.29142 0.33020 0.38672 0.44226
 0.49357 0.53925 0.58117 0.56746
 3605597.54 | 0.24546 0.27724 0.32559 0.38347 0.44296
 0.50868 0.57952 0.65345 0.71379
 3605347.54 | 0.26513 0.27791 0.29979 0.33707 0.41217
 0.48985 0.57606 0.68085 0.78220
 3605097.54 | 0.26640 0.29405 0.32334 0.33746 0.37486
 0.43508 0.54504 0.65202 0.78408
 3604847.54 | 0.25724 0.28485 0.31009 0.34476 0.40762
 0.42505 0.48464 0.60347 0.72539
 3604597.54 | 0.24182 0.26764 0.30039 0.34699 0.40962
 0.42872 0.49876 0.55195 0.66890
 3604347.54 | 0.22824 0.25047 0.28017 0.31821 0.36848
 0.42914 0.50220 0.57405 0.62214
 3604097.54 | 0.21447 0.24139 0.26483 0.29613 0.33630
 0.38706 0.46724 0.53822 0.58827

3603847.54	0.19969	0.22205	0.25331	0.27966	0.32069
0.37051	0.41805	0.46497	0.54670		
3603597.54	0.18555	0.20327	0.22901	0.25511	0.28134
0.32151	0.35916	0.40631	0.47584		
3603347.54	0.17405	0.19176	0.21267	0.23409	0.26023
0.29174	0.33024	0.37770	0.44774		
3603097.54	0.16698	0.18214	0.19934	0.22662	0.24614
0.27277	0.31546	0.35627	0.42505		
3602847.54	0.16030	0.17489	0.19483	0.21283	0.23519
0.26279	0.30555	0.34865	0.41645		
3602597.54	0.15553	0.16985	0.18898	0.20878	0.23248
0.26192	0.30264	0.34670	0.41090		
3602347.54	0.15328	0.16752	0.18395	0.20307	0.22955
0.26310	0.29985	0.33760	0.37458		
3602097.54	0.15153	0.16589	0.18335	0.20291	0.22745
0.25111	0.27514	0.30097	0.32020		
3601847.54	0.15108	0.16539	0.18038	0.19679	0.21470
0.22874	0.24502	0.26379	0.29207		
3601597.54	0.14973	0.16157	0.17226	0.18284	0.19280
0.20550	0.22122	0.24470	0.27706		
3601347.54	0.14435	0.15180	0.15891	0.16663	0.17785
0.19169	0.21024	0.23503	0.26433		
3601097.54	0.13474	0.14018	0.14733	0.15811	0.16988
0.18592	0.20454	0.22984	0.25758		

 *** AERMOD - VERSION 18081 ***
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 *** AERMET - VERSION 18081 ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP7
 INCLUDING SOURCE(S): TP7 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***
 ** CONC OF TAC IN MICROGRAMS/M**3
 **

Y-COORD (METERS)	X-COORD (METERS)	CONC	Y-COORD (METERS)	X-COORD (METERS)
507618.86	506368.86	506618.86	506868.86	507118.86
507868.86	508118.86	508368.86		

 3606097.54 | 0.46666 0.47591 0.45389 0.47558 0.41543
 0.39554 0.22565 0.18848 0.05552
 3605847.54 | 0.55691 0.56059 0.57927 0.56272 0.55228
 0.48576 0.36225 0.44127 0.18431
 3605597.54 | 0.69915 0.68780 0.68582 0.69495 0.75244
 0.63587 0.43400 0.51837 0.48492
 3605347.54 | 0.87419 0.93027 0.87862 0.85879 0.81876
 0.71670 0.63285 0.60626 0.32389
 3605097.54 | 0.93550 1.09386 1.22810 1.27731 1.19362
 1.11795 0.96057 0.77708 0.09047
 3604847.54 | 0.90584 1.13589 1.42045 1.69514 1.86822
 1.93303 1.80838 1.37916 0.33889
 3604597.54 | 0.82933 1.06383 1.38633 1.85395 2.43442
 2.94901 2.94678 1.87751 0.28749
 3604347.54 | 0.78475 0.96434 1.21512 1.65525 2.43707
 3.58877 4.72762 4.63854 3.00364
 3604097.54 | 0.68231 0.86786 1.14195 1.54342 2.09222
 3.16870 5.61972 10.07945 9.89444

Otay Hills Quarry AERMOD Output File (HRA)

3603847.54		0.64118	0.74798	0.95066	1.22604	1.72488
2.58916	4.39461	9.07218	34.43750			
3603597.54		0.58463	0.69086	0.83866	1.07502	1.38910
1.97183	3.15559	5.76779	15.18435			
3603347.54		0.53127	0.64035	0.75698	0.97799	1.32963
1.75767	2.55158	3.91268	8.20882			
3603097.54		0.50802	0.61150	0.74357	0.92434	1.14899
1.39814	1.92595	3.01072	4.56078			
3602847.54		0.50223	0.60470	0.69410	0.79708	0.92362
1.16897	1.63939	2.24498	2.84399			
3602597.54		0.48145	0.51439	0.58340	0.68507	0.81766
1.05223	1.35364	1.67910	1.99533			
3602347.54		0.39987	0.44323	0.51253	0.61576	0.75435
0.91059	1.10128	1.29644	1.47273			
3602097.54		0.35190	0.39824	0.47483	0.56288	0.67152
0.78232	0.91502	1.03062	1.13597			
3601847.54		0.32937	0.37925	0.44918	0.51621	0.59042
0.67650	0.77065	0.84087	0.91568			
3601597.54		0.31395	0.36202	0.41668	0.46755	0.52398
0.59142	0.65469	0.70822	0.75321			
3601347.54		0.30054	0.34280	0.38408	0.42651	0.47344
0.52001	0.56732	0.60256	0.64049			
3601097.54		0.28937	0.32213	0.35457	0.38937	0.42760
0.46201	0.49147	0.52493	0.55559			

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 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP7
 INCLUDING SOURCE(S): TP7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)					X-COORD (METERS)	
		508618.86	508868.86	509118.86	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86			

3606097.54		0.03558	0.04087	0.02214	0.05094	0.02017
0.01323	0.01118	0.01082	0.00941			
3605847.54		0.16479	0.20037	0.03448	0.20864	0.02825
0.02036	0.01454	0.01327	0.01090			
3605597.54		0.50866	0.31375	0.22992	0.21025	0.15535
0.08597	0.01968	0.01311	0.01150			
3605347.54		0.21256	0.43246	0.32923	0.29856	0.30274
0.04311	0.02404	0.01565	0.01497			
3605097.54		0.06395	0.08171	0.05382	0.03608	0.05706
0.18058	0.02849	0.02218	0.01601			
3604847.54		0.08121	0.04833	0.04299	0.03386	0.03364
0.03036	0.04282	0.03662	0.02557			
3604597.54		0.12953	0.08149	0.05503	0.04771	0.03280
0.02764	0.02984	0.03294	0.04436			
3604347.54		0.84834	0.22607	0.13184	0.10011	0.04838
0.03717	0.03010	0.02808	0.02754			
3604097.54		6.90648	5.40786	0.86949	0.18667	0.10347
0.05261	0.04079	0.03786	0.03162			

3603847.54		51.90812	10.50735	3.89133	1.50851	0.27234
0.12845	0.08885	0.07755	0.05034			
3603597.54		71.75952	5.70536	2.18210	1.41155	0.94533
0.58766	0.34039	0.26571	0.13081			
3603347.54		13.10908	5.25238	0.85891	1.46269	2.86013
0.98750	1.52963	0.84115	0.25247			
3603097.54		6.21989	5.53999	1.98037	3.06176	2.14209
1.88212	1.55281	0.55209	0.22985			
3602847.54		3.31016	3.19158	3.31652	2.11494	1.60808
1.46226	1.17162	1.08704	0.19960			
3602597.54		2.20976	2.18648	2.02345	1.69899	1.40181
1.16784	0.99958	0.79426	0.15601			
3602347.54		1.62021	1.61590	1.49036	1.36376	1.22536
0.98026	0.85144	0.79700	0.66411			
3602097.54		1.22875	1.24727	1.16495	1.10045	1.03104
0.89710	0.90171	0.76021	0.57896			
3601847.54		0.97325	0.99337	0.96484	0.90834	0.85261
0.77450	0.71106	0.70501	0.52870			
3601597.54		0.79860	0.83053	0.80337	0.76410	0.70840
0.67346	0.62020	0.58272	0.48001			
3601347.54		0.66900	0.70061	0.68137	0.65489	0.59772
0.58382	0.56054	0.50641	0.42737			
3601097.54		0.57411	0.59431	0.58599	0.56521	0.52799
0.50928	0.49350	0.43460	0.42197			

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP7
 INCLUDING SOURCE(S): TP7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)					X-COORD (METERS)	
		510868.86	511118.86			

3606097.54		0.00838	0.00751
3605847.54		0.00929	0.00812
3605597.54		0.01039	0.00939
3605347.54		0.01364	0.01087
3605097.54		0.01330	0.01230
3604847.54		0.01763	0.01918
3604597.54		0.03812	0.01948
3604347.54		0.02194	0.01882
3604097.54		0.02640	0.02300
3603847.54		0.04139	0.03730
3603597.54		0.09348	0.06423
3603347.54		0.11215	0.08798
3603097.54		0.14565	0.10802
3602847.54		0.13076	0.13741
3602597.54		0.14264	0.18458
3602347.54		0.46796	0.50690
3602097.54		0.52613	0.48345
3601847.54		0.46013	0.41568
3601597.54		0.44746	0.37642

Otay Hills Quarry AERMOD Output File (HRA)

3601347.54 | 0.39240 0.36778
 3601097.54 | 0.35790 0.34459

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
 Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 *** **
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP7 ***
 INCLUDING SOURCE(S): TP7 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	16.36381	507708.67
3603932.32	3.38296		
506203.59	3603369.23	0.47504	507919.87
3604794.52	1.91931		
507037.89	3604916.08	1.54496	

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP8 ***
 INCLUDING SOURCE(S): TP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504118.86 504368.86 504618.86 504868.86 505118.86
505618.86	505868.86 506118.86

3606097.54	0.26230	0.29495	0.33302	0.38116	0.41268
0.47522	0.50869	0.51105	0.48029		
3605847.54	0.25666	0.29211	0.33149	0.39209	0.45194
0.50807	0.55941	0.60879	0.59040		
3605597.54	0.24619	0.27812	0.32868	0.38929	0.45110
0.52040	0.59720	0.68084	0.75178		
3605347.54	0.27077	0.28153	0.30125	0.33756	0.41773
0.49848	0.58836	0.70127	0.81386		
3605097.54	0.27158	0.30041	0.33061	0.34117	0.37725
0.43813	0.55594	0.66576	0.80400		
3604847.54	0.26070	0.28902	0.31415	0.34954	0.41740
0.42899	0.48823	0.61659	0.74009		

3604597.54	0.24467	0.27064	0.30391	0.35224	0.41745
0.43316	0.50600	0.55395	0.67770		
3604347.54	0.23108	0.25335	0.28354	0.32248	0.37431
0.43658	0.51145	0.58379	0.61942		
3604097.54	0.21643	0.24426	0.26770	0.29946	0.34057
0.39273	0.47617	0.54864	0.59195		
3603847.54	0.20086	0.22366	0.25598	0.28244	0.32454
0.37546	0.42356	0.46905	0.55160		
3603597.54	0.18697	0.20485	0.23146	0.25807	0.28431
0.32565	0.36316	0.40992	0.48086		
3603347.54	0.17599	0.19415	0.21563	0.23732	0.26388
0.29594	0.33519	0.38366	0.45696		
3603097.54	0.16896	0.18433	0.20175	0.23029	0.24974
0.27673	0.32170	0.36362	0.43677		
3602847.54	0.16226	0.17723	0.19807	0.21649	0.23947
0.26789	0.31312	0.35784	0.42972		
3602597.54	0.15797	0.17273	0.19267	0.21305	0.23750
0.26807	0.31086	0.35599	0.42084		
3602347.54	0.15595	0.17053	0.18740	0.20706	0.23470
0.26941	0.30609	0.34215	0.37702		
3602097.54	0.15423	0.16905	0.18706	0.20681	0.23130
0.25387	0.27666	0.30234	0.32273		
3601847.54	0.15392	0.16834	0.18296	0.19866	0.21589
0.22935	0.24624	0.26655	0.29680		
3601597.54	0.15183	0.16318	0.17313	0.18326	0.19329
0.20687	0.22379	0.24855	0.28217		
3601347.54	0.14527	0.15228	0.15928	0.16737	0.17945
0.19417	0.21351	0.23910	0.26902		
3601097.54	0.13514	0.14072	0.14835	0.15986	0.17226
0.18890	0.20800	0.23399	0.26206		

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
 3 YEARS FOR SOURCE GROUP: TP8 ***
 INCLUDING SOURCE(S): TP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
507618.86	506368.86 506618.86 506868.86 507118.86 507368.86
507868.86	508118.86 508368.86

3606097.54	0.48671	0.50103	0.48141	0.51048	0.44146
0.34831	0.19098	0.16135	0.04978		
3605847.54	0.57973	0.58735	0.61660	0.60892	0.58896
0.41275	0.34195	0.36769	0.15221		
3605597.54	0.73052	0.71954	0.72190	0.74370	0.81382
0.55169	0.39938	0.55650	0.52169		
3605347.54	0.92119	0.99095	0.92570	0.90799	0.87311
0.77865	0.68862	0.65823	0.26742		
3605097.54	0.96830	1.15121	1.32023	1.39701	1.29619
1.23608	1.08064	0.73751	0.08825		
3604847.54	0.92690	1.17069	1.49423	1.83920	2.09420
2.19917	1.86229	1.15271	0.25495		

Otay Hills Quarry AERMOD Output File (HRA)

3604597.54		0.84756	1.09396	1.42768	1.93660	2.64881
3.38375	3.47077	1.66817	0.25865			
3604347.54		0.79227	0.97548	1.23036	1.69566	2.53385
3.83991	5.50242	5.79424	2.77587			
3604097.54		0.67727	0.86723	1.15110	1.56690	2.10794
3.22722	5.89262	11.53548	14.20309			
3603847.54		0.64415	0.73989	0.94192	1.20463	1.70648
2.56459	4.35154	8.60714	32.56292			
3603597.54		0.59494	0.70178	0.84967	1.09247	1.39996
1.99573	3.26183	5.74455	13.93207			
3603347.54		0.54398	0.65830	0.77695	1.01355	1.39262
1.78856	2.50308	3.84273	7.75489			
3603097.54		0.52455	0.63396	0.77146	0.94930	1.15174
1.39099	1.94340	2.92606	4.30897			
3602847.54		0.51932	0.62183	0.70258	0.80006	0.93565
1.18209	1.63048	2.18629	2.70290			
3602597.54		0.48845	0.51627	0.58893	0.70040	0.83303
1.05653	1.34053	1.63053	1.92888			
3602347.54		0.40182	0.44897	0.52330	0.62951	0.76408
0.90617	1.08612	1.26251	1.43117			
3602097.54		0.35706	0.40546	0.48457	0.57047	0.67352
0.77774	0.90251	1.00770	1.10705			
3601847.54		0.33557	0.38643	0.45693	0.51957	0.58965
0.67262	0.76140	0.82524	0.89743			
3601597.54		0.31977	0.36807	0.42124	0.46893	0.52352
0.58830	0.64784	0.69913	0.74022			
3601347.54		0.30554	0.34719	0.38677	0.42826	0.47427
0.51748	0.56340	0.59641	0.63287			
3601097.54		0.29352	0.32522	0.35685	0.39148	0.42862
0.46056	0.48847	0.52159	0.55164			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP8
INCLUDING SOURCE(S): TP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)		508618.86	508868.86	509118.86	X-COORD (METERS)	509368.86	509618.86
509868.86		510118.86	510368.86	510618.86			

3606097.54		0.03425	0.03728	0.02166	0.04270	0.01988
0.01313	0.01129	0.01089	0.00939			
3605847.54		0.13091	0.17031	0.03253	0.17786	0.02722
0.02004	0.01450	0.01314	0.01083			
3605597.54		0.54185	0.26788	0.19134	0.17947	0.12480
0.06748	0.01934	0.01305	0.01149			
3605347.54		0.16051	0.35953	0.27580	0.25690	0.26752
0.03721	0.02300	0.01550	0.01507			
3605097.54		0.06459	0.07493	0.05272	0.03599	0.04940
0.13691	0.02707	0.02174	0.01596			
3604847.54		0.08316	0.04930	0.04314	0.03434	0.03287
0.02987	0.03933	0.03472	0.02471			

3604597.54		0.13419	0.08481	0.05654	0.04683	0.03349
0.02799	0.03007	0.03224	0.04133			
3604347.54		0.59566	0.23005	0.12422	0.09880	0.05020
0.03933	0.03097	0.02867	0.02823			
3604097.54		9.53950	3.22925	0.59772	0.18731	0.10954
0.05692	0.04404	0.04022	0.03313			
3603847.54		129.92205	10.39773	3.32054	1.21905	0.30380
0.14676	0.09939	0.08516	0.05458			
3603597.54		30.14828	3.47206	1.87584	1.31818	0.88008
0.56253	0.34144	0.26491	0.13740			
3603347.54		11.90293	3.13898	0.65534	1.07656	2.39217
0.79715	1.32903	0.68238	0.23987			
3603097.54		5.98292	5.36445	1.32414	3.02266	2.12936
1.63163	1.39406	0.45008	0.21578			
3602847.54		3.09885	3.03233	3.20238	2.09007	1.61073
1.45280	1.16474	0.95293	0.17957			
3602597.54		2.09956	2.08721	1.98242	1.65612	1.40515
1.18216	1.00969	0.70625	0.13798			
3602347.54		1.56546	1.55720	1.45082	1.33650	1.22359
0.98222	0.86116	0.79924	0.62413			
3602097.54		1.19141	1.20956	1.13362	1.08541	1.02308
0.89963	0.85994	0.71132	0.58571			
3601847.54		0.94790	0.96724	0.94813	0.89809	0.84499
0.76982	0.71747	0.69467	0.53448			
3601597.54		0.78218	0.81676	0.79215	0.75634	0.70170
0.66809	0.62061	0.58935	0.48385			
3601347.54		0.65782	0.69214	0.67378	0.64962	0.59032
0.58030	0.55976	0.50850	0.42670			
3601097.54		0.56715	0.58787	0.58071	0.56131	0.52318
0.50714	0.49192	0.43019	0.42450			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP8
INCLUDING SOURCE(S): TP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)		510868.86	511118.86

3606097.54		0.00838	0.00753
3605847.54		0.00925	0.00817
3605597.54		0.01041	0.00944
3605347.54		0.01360	0.01080
3605097.54		0.01334	0.01254
3604847.54		0.01805	0.01920
3604597.54		0.03609	0.01936
3604347.54		0.02292	0.01972
3604097.54		0.02749	0.02379
3603847.54		0.04442	0.03970
3603597.54		0.09846	0.06803
3603347.54		0.11385	0.09007
3603097.54		0.14146	0.10678

Otay Hills Quarry AERMOD Output File (HRA)

3602847.54	0.12256	0.12996
3602597.54	0.12741	0.16318
3602347.54	0.39777	0.45903
3602097.54	0.53202	0.48535
3601847.54	0.46439	0.42024
3601597.54	0.45284	0.37893
3601347.54	0.39475	0.37164
3601097.54	0.35771	0.34803

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER

3 YEARS FOR SOURCE GROUP: TP8 ***

 INCLUDING SOURCE(S): TP8 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

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

508226.78	3603955.63	17.06014	507708.67
3603932.32	3.37662		
506203.59	3603369.23	0.48493	507919.87
3604794.52	1.87015		
507037.89	3604916.08	1.67225	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER

3 YEARS FOR SOURCE GROUP: TP9 ***

 INCLUDING SOURCE(S): TP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
505368.86	504868.86
505618.86	505118.86
505868.86	506118.86
506118.86	506618.86
506368.86	506868.86
506618.86	507118.86
506868.86	507368.86
507118.86	507618.86
507368.86	507868.86
507618.86	508118.86
507868.86	508368.86
508118.86	508618.86
508368.86	508868.86
508618.86	509118.86
508868.86	509368.86
509118.86	509618.86
509368.86	509868.86
509618.86	510118.86
509868.86	510368.86
510118.86	510618.86
510368.86	510868.86
510618.86	511118.86
510868.86	511368.86
511118.86	511618.86
511368.86	511868.86
511618.86	512118.86
511868.86	512368.86
512118.86	512618.86
512368.86	512868.86
512618.86	513118.86
512868.86	513368.86
513118.86	513618.86
513368.86	513868.86
513618.86	514118.86
513868.86	514368.86
514118.86	514618.86
514368.86	514868.86
514618.86	515118.86
514868.86	515368.86
515118.86	515618.86
515368.86	515868.86
515618.86	516118.86
515868.86	516368.86
516118.86	516618.86
516368.86	516868.86
516618.86	517118.86
516868.86	517368.86
517118.86	517618.86
517368.86	517868.86
517618.86	518118.86
517868.86	518368.86
518118.86	518618.86
518368.86	518868.86
518618.86	519118.86
518868.86	519368.86
519118.86	519618.86
519368.86	519868.86
519618.86	520118.86
519868.86	520368.86
520118.86	520618.86
520368.86	520868.86
520618.86	521118.86
520868.86	521368.86
521118.86	521618.86
521368.86	521868.86
521618.86	522118.86
521868.86	522368.86
522118.86	522618.86
522368.86	522868.86
522618.86	523118.86
522868.86	523368.86
523118.86	523618.86
523368.86	523868.86
523618.86	524118.86
523868.86	524368.86
524118.86	524618.86
524368.86	524868.86
524618.86	525118.86
524868.86	525368.86
525118.86	525618.86
525368.86	525868.86
525618.86	526118.86
525868.86	526368.86
526118.86	526618.86
526368.86	526868.86
526618.86	527118.86
526868.86	527368.86
527118.86	527618.86
527368.86	527868.86
527618.86	528118.86
527868.86	528368.86
528118.86	528618.86
528368.86	528868.86
528618.86	529118.86
528868.86	529368.86
529118.86	529618.86
529368.86	529868.86
529618.86	530118.86
529868.86	530368.86
530118.86	530618.86
530368.86	530868.86
530618.86	531118.86
530868.86	531368.86
531118.86	531618.86
531368.86	531868.86
531618.86	532118.86
531868.86	532368.86
532118.86	532618.86
532368.86	532868.86
532618.86	533118.86
532868.86	533368.86
533118.86	533618.86
533368.86	533868.86
533618.86	534118.86
533868.86	534368.86
534118.86	534618.86
534368.86	534868.86
534618.86	535118.86
534868.86	535368.86
535118.86	535618.86
535368.86	535868.86
535618.86	536118.86
535868.86	536368.86
536118.86	536618.86
536368.86	536868.86
536618.86	537118.86
536868.86	537368.86
537118.86	537618.86
537368.86	537868.86
537618.86	538118.86
537868.86	538368.86
538118.86	538618.86
538368.86	538868.86
538618.86	539118.86
538868.86	539368.86
539118.86	539618.86
539368.86	539868.86
539618.86	540118.86
539868.86	540368.86
540118.86	540618.86
540368.86	540868.86
540618.86	541118.86
540868.86	541368.86
541118.86	541618.86
541368.86	541868.86
541618.86	542118.86
541868.86	542368.86
542118.86	542618.86
542368.86	542868.86
542618.86	543118.86
542868.86	543368.86
543118.86	543618.86
543368.86	543868.86
543618.86	544118.86
543868.86	544368.86
544118.86	544618.86
544368.86	544868.86
544618.86	545118.86
544868.86	545368.86
545118.86	545618.86
545368.86	545868.86
545618.86	546118.86
545868.86	546368.86
546118.86	546618.86
546368.86	546868.86
546618.86	547118.86
546868.86	547368.86
547118.86	547618.86
547368.86	547868.86
547618.86	548118.86
547868.86	548368.86
548118.86	548618.86
548368.86	548868.86
548618.86	549118.86
548868.86	549368.86
549118.86	549618.86
549368.86	549868.86
549618.86	550118.86
549868.86	550368.86
550118.86	550618.86
550368.86	550868.86
550618.86	551118.86
550868.86	551368.86
551118.86	551618.86
551368.86	551868.86
551618.86	552118.86
551868.86	552368.86
552118.86	552618.86
552368.86	552868.86
552618.86	553118.86
552868.86	553368.86
553118.86	553618.86
553368.86	553868.86
553618.86	554118.86
553868.86	554368.86
554118.86	554618.86
554368.86	554868.86
554618.86	555118.86
554868.86	555368.86
555118.86	555618.86
555368.86	555868.86
555618.86	556118.86
555868.86	556368.86
556118.86	556618.86
556368.86	556868.86
556618.86	557118.86
556868.86	557368.86
557118.86	557618.86
557368.86	557868.86
557618.86	558118.86
557868.86	558368.86
558118.86	558618.86
558368.86	558868.86
558618.86	559118.86
558868.86	559368.86
559118.86	559618.86
559368.86	559868.86
559618.86	560118.86
559868.86	560368.86
560118.86	560618.86
560368.86	560868.86
560618.86	561118.86
560868.86	561368.86
561118.86	561618.86
561368.86	561868.86
561618.86	562118.86
561868.86	562368.86
562118.86	562618.86
562368.86	562868.86
562618.86	563118.86
562868.86	563368.86
563118.86	563618.86
563368.86	563868.86
563618.86	564118.86
563868.86	564368.86
564118.86	564618.86
564368.86	564868.86
564618.86	565118.86
564868.86	565368.86
565118.86	565618.86
565368.86	565868.86
565618.86	566118.86
565868.86	566368.86
566118.86	566618.86
566368.86	566868.86
566618.86	567118.86
566868.86	567368.86
567118.86	567618.86
567368.86	567868.86
567618.86	568118.86
567868.86	568368.86
568118.86	568618.86
568368.86	568868.86
568618.86	569118.86
568868.86	569368.86
569118.86	569618.86
569368.86	569868.86
569618.86	570118.86
569868.86	570368.86
570118.86	570618.86
570368.86	570868.86
570618.86	571118.86
570868.86	571368.86
571118.86	571618.86
571368.86	571868.86
571618.86	572118.86
571868.86	572368.86
572118.86	572618.86
572368.86	572868.86
572618.86	573118.86
572868.86	573368.86
573118.86	573618.86
573368.86	573868.86
573618.86	574118.86
573868.86	574368.86
574118.86	574618.86
574368.86	574868.86
574618.86	575118.86
574868.86	575368.86
575118.86	575618.86
575368.86	575868.86
575618.86	576118.86
575868.86	576368.86

Otay Hills Quarry AERMOD Output File (HRA)

3605347.54		0.95799	1.03617	0.95607	0.93890	0.90557
0.81487	0.72537	0.69329	0.22472			
3605097.54		0.99880	1.19847	1.39040	1.48445	1.36758
1.31472	1.15539	0.68529	0.08656			
3604847.54		0.95181	1.20753	1.55877	1.95067	2.25522
2.36357	1.83173	1.08185	0.21773			
3604597.54		0.86897	1.12867	1.47669	2.01957	2.82108
3.67144	3.78556	1.37199	0.24841			
3604347.54		0.80526	0.99330	1.25552	1.75285	2.65175
4.08545	6.13840	6.71607	2.35025			
3604097.54		0.68062	0.87761	1.17446	1.60897	2.15718
3.34509	6.29835	12.92180	18.18070			
3603847.54		0.65309	0.74274	0.94862	1.20802	1.72792
2.61525	4.48235	8.68521	33.10966			
3603597.54		0.60770	0.71755	0.86936	1.12275	1.43738
2.06793	3.45680	5.88495	14.35720			
3603347.54		0.55741	0.67699	0.80083	1.05269	1.45483
1.83446	2.53964	3.93058	7.77701			
3603097.54		0.53997	0.65477	0.79755	0.97380	1.16665
1.41842	2.00019	2.93659	4.25892			
3602847.54		0.53374	0.63541	0.71202	0.81080	0.95893
1.21052	1.65091	2.18715	2.65956			
3602597.54		0.49422	0.52105	0.59833	0.71841	0.85415
1.07264	1.35074	1.62049	1.91247			
3602347.54		0.40591	0.45670	0.53544	0.64517	0.77844
0.91311	1.08865	1.25383	1.41979			
3602097.54		0.36319	0.41364	0.49532	0.58059	0.68078
0.78237	0.90276	1.00178	1.09807			
3601847.54		0.34205	0.39417	0.46553	0.52568	0.59395
0.67583	0.76133	0.82140	0.89238			
3601597.54		0.32579	0.37460	0.42700	0.47303	0.52718
0.59055	0.64776	0.69797	0.73662			
3601347.54		0.31072	0.35210	0.39077	0.43213	0.47802
0.51906	0.56422	0.59599	0.63162			
3601097.54		0.29779	0.32890	0.36026	0.39519	0.43181
0.46210	0.48914	0.52220	0.55194			

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP9

INCLUDING SOURCE(S): TP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)		508618.86	508868.86	509118.86	X-COORD (METERS)	509368.86	509618.86
509868.86	510118.86	510368.86	510618.86				

3606097.54		0.03351	0.03552	0.02119	0.03882	0.01952
0.01304	0.01132	0.01089	0.00938			
3605847.54		0.10995	0.14971	0.03143	0.15974	0.02658
0.01991	0.01440	0.01305	0.01074			
3605597.54		0.56003	0.24104	0.16395	0.15856	0.10634
0.05755	0.01897	0.01294	0.01146			

3605347.54		0.13301	0.32162	0.24060	0.22893	0.24070
0.03459	0.02200	0.01542	0.01511			
3605097.54		0.06443	0.07093	0.05220	0.03579	0.04545
0.11233	0.02614	0.02139	0.01579			
3604847.54		0.08409	0.04961	0.04268	0.03425	0.03193
0.02990	0.03792	0.03340	0.02427			
3604597.54		0.13640	0.08644	0.05649	0.04574	0.03383
0.02796	0.03036	0.03210	0.04000			
3604347.54		0.50762	0.23368	0.11756	0.09809	0.05152
0.04015	0.03120	0.02898	0.02884			
3604097.54		11.86027	2.44371	0.49944	0.19087	0.11373
0.05981	0.04579	0.04132	0.03387			
3603847.54		240.82492	9.30059	2.87010	1.10273	0.32400
0.15751	0.10545	0.08907	0.05704			
3603597.54		16.22408	2.62485	1.62044	1.22388	0.82702
0.53658	0.33460	0.25990	0.13936			
3603347.54		11.53915	2.30899	0.56149	0.90250	2.03128
0.69954	1.16216	0.59191	0.23084			
3603097.54		5.90007	5.23830	1.03305	2.90268	2.09944
1.48901	1.29648	0.39904	0.20595			
3602847.54		3.01118	2.95437	3.06800	2.06688	1.60706
1.42433	1.15254	0.88620	0.16755			
3602597.54		2.05289	2.03583	1.96290	1.62971	1.40208
1.18469	1.00797	0.63410	0.12859			
3602347.54		1.54562	1.52741	1.43012	1.32325	1.22023
0.98031	0.86402	0.79275	0.58698			
3602097.54		1.17683	1.19075	1.11663	1.07806	1.01910
0.89910	0.82304	0.67890	0.58802			
3601847.54		0.93797	0.95430	0.94004	0.89301	0.84177
0.76653	0.71937	0.65948	0.53669			
3601597.54		0.77633	0.81120	0.78692	0.75274	0.69835
0.66562	0.62003	0.59140	0.48513			
3601347.54		0.65419	0.68930	0.67045	0.64747	0.58611
0.57892	0.55938	0.50895	0.42532			
3601097.54		0.56549	0.58577	0.57858	0.55981	0.52069
0.50620	0.49153	0.42697	0.42535			

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP9

INCLUDING SOURCE(S): TP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)		510868.86	511118.86	X-COORD (METERS)

3606097.54		0.00837	0.00750
3605847.54		0.00921	0.00819
3605597.54		0.01045	0.00943
3605347.54		0.01344	0.01078
3605097.54		0.01335	0.01268
3604847.54		0.01829	0.01923
3604597.54		0.03484	0.01933

Otay Hills Quarry AERMOD Output File (HRA)

3604347.54		0.02351	0.02021
3604097.54		0.02802	0.02422
3603847.54		0.04615	0.04108
3603597.54		0.10050	0.06980
3603347.54		0.11333	0.09008
3603097.54		0.13788	0.10515
3602847.54		0.11713	0.12501
3602597.54		0.11900	0.15103
3602347.54		0.34992	0.42240
3602097.54		0.53327	0.48411
3601847.54		0.46610	0.42211
3601597.54		0.45482	0.37989
3601347.54		0.39540	0.37329
3601097.54		0.35685	0.34946

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: TP9 ***
INCLUDING SOURCE(S): TP9 ,

```

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	18.50392	507708.67
3603932.32	3.47064		
506203.59	3603369.23	0.49571	507919.87
3604794.52	1.76129		
507037.89	3604916.08	1.76995	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): HMA1 , OFFRD

```

, CBP1	, CBP2	, CBP3	, TC5	, RAP1	, HSI1
	CBP4	AS1			
, TC6	AS2	TC7			
	HMA2	HMA3	CTB2	CTB1	SP1
, SP2	SP6	SP7			
	SP8	SP9	SP10	SP11	SP15
, SP16	SP17	.	.	.	.

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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** CONC OF TAC IN MICROGRAMS/M**3
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Y-COORD (METERS)	504118.86	504368.86	504618.86	X-COORD (METERS)	504868.86	505118.86
505368.86	505618.86	505868.86	506118.86			

3606097.54		18.89777	21.23292	23.96082	27.49277	29.62981
34.39242		36.74145	36.55043	33.69166		
3605847.54		18.57151	21.16145	24.00551	28.54622	32.94437
36.99750		40.64761	44.17185	42.01853		
3605597.54		17.79835	20.16311	23.99767	28.54275	33.09370
38.15892		43.74199	49.84375	54.93633		
3605347.54		19.77222	20.47449	21.83117	24.47768	30.67497
36.71384		43.34097	51.66896	59.89199		
3605097.54		19.77421	21.94390	24.21145	24.80255	27.40947
31.99358		41.17439	49.34557	59.56963		
3604847.54		18.89244	21.00036	22.84068	25.46816	30.69309
31.21766		35.58017	45.76907	55.15159		
3604597.54		17.66193	19.58316	22.06666	25.71027	30.59083
31.67023		37.17626	40.30755	49.86308		
3604347.54		16.59574	18.23024	20.47571	23.40200	27.32717
32.05418		37.74531	43.29282	45.20880		
3604097.54		15.39151	17.45123	19.16712	21.52039	24.60079
28.55362		34.86404	40.51311	43.67099		
3603847.54		14.13588	15.79592	18.16821	20.11073	23.22468
26.99688		30.67288	34.22336	40.75827		
3603597.54		13.10050	14.38755	16.33132	18.27444	20.19579
23.27206		26.08295	29.63210	35.24284		
3603347.54		12.29257	13.59546	15.14225	16.70043	18.62286
20.96544		23.87272	27.53366	33.24494		
3603097.54		11.74611	12.83173	14.06661	16.13395	17.52381
19.47309		22.80221	25.90756	31.47975		
3602847.54		11.21999	12.27490	13.76237	15.06753	16.70906
18.76449		22.12577	25.48798	30.87508		
3602597.54		10.87862	11.92132	13.35136	14.82141	16.60754
18.85418		21.97899	25.17904	29.70564		
3602347.54		10.74678	11.79232	13.01029	14.43045	16.42271
18.87715		21.40123	23.87385	26.38502		
3602097.54		10.65969	11.72411	13.00811	14.38557	16.07315
17.60035		19.18204	21.07435	22.76771		
3601847.54		10.66132	11.66613	12.65986	13.71707	14.89415
15.84878		17.13359	18.74501	21.10270		
3601597.54		10.48675	11.24742	11.90792	12.60317	13.33637
14.37712		15.69145	17.58182	20.14035		
3601347.54		9.98086	10.44871	10.93999	11.54316	12.46001
13.58184		15.04292	16.97623	19.24499		
3601097.54		9.26023	9.66094	10.23009	11.08843	12.02289
13.26957		14.71100	16.66827	18.79607		

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): HMA1 , OFFRD

```

, CBP1	, CBP2	, CBP3	, TC5	, RAP1	, HSI1
	CBP4	AS1			
, TC6	AS2	TC7			
	HMA2	HMA3	CTB2	CTB1	SP1
, SP2	SP6	SP7			

Otay Hills Quarry AERMOD Output File (HRA)

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      SP8      , SP9      , SP10      , SP11      , SP15
, SP16      , SP17      , . . .      ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

**

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

      Y-COORD |      X-COORD (METERS)
      (METERS) |      506368.86      506618.86      506868.86      507118.86      507368.86
507618.86      507868.86      508118.86      508368.86
-----
      3606097.54 |      33.98453      34.90071      32.92180      33.59008      27.67527
21.78045      10.44374      8.95547      3.19549
      3605847.54 |      40.72347      41.06149      43.13550      41.77855      34.60948
25.72440      19.72444      20.90698      8.29704
      3605597.54 |      52.25590      50.68999      50.51003      51.84970      51.85842
33.30092      22.76598      34.77822      32.13531
      3605347.54 |      67.68414      72.44393      65.56301      63.52348      59.76647
51.74723      45.68818      42.54876      13.84551
      3605097.54 |      71.66063      85.16897      97.68310      102.76520      92.90326
86.35613      72.36992      41.78150      5.77287
      3604847.54 |      69.29314      87.51736      111.78433      137.87508      156.17142
158.48112      109.22468      67.26404      14.58157
      3604597.54 |      63.24940      82.72428      108.53896      147.23546      201.27771
253.73032      251.20634      80.90340      16.75372
      3604347.54 |      58.68163      72.44332      91.88714      130.22245      199.08840
301.03345      439.07108      471.54656      136.33574
      3604097.54 |      49.56347      64.30602      86.86150      120.23344      163.67377
299.01819      502.40565      978.71304      1888.96410
      3603847.54 |      48.01462      54.62545      70.16257      90.03843      133.19069
240.49097      345.72373      692.50527      2928.34206
      3603597.54 |      44.79691      54.73550      66.83078      86.61070      113.06890
195.88594      258.10333      439.91479      1197.64647
      3603347.54 |      40.35081      51.17579      109.51324      134.32986      156.01648
170.19500      193.30915      298.89659      611.19463
      3603097.54 |      38.39708      47.63366      60.65588      75.02618      90.55953
109.46858      149.76046      221.05875      329.74274
      3602847.54 |      37.42938      44.96887      51.56315      60.06250      71.56860
89.76219      122.20040      162.65147      200.77321
      3602597.54 |      34.45683      36.95305      43.10579      52.38097      62.60039
78.66339      99.44314      119.69716      142.37559
      3602347.54 |      28.48173      32.40738      38.42371      46.70712      56.58438
66.68631      79.79873      92.23700      104.69636
      3602097.54 |      25.54550      29.36431      35.47785      41.84568      49.33164
56.98086      66.05911      73.45354      80.42010
      3601847.54 |      24.10586      28.00247      33.31939      37.84231      42.98167
49.17878      55.60279      60.06469      65.05826
      3601597.54 |      23.00637      26.65323      30.58241      34.05096      38.12991
42.95860      47.21373      50.93896      53.52121
      3601347.54 |      22.00450      25.10994      28.00917      31.10161      34.59916
37.72883      41.06607      43.40851      45.78568
      3601097.54 |      21.15861      23.49514      25.82773      28.45339      31.27599
33.55848      35.56209      37.96908      39.93796

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ALL      ***

      INCLUDING SOURCE(S):      HMA1      , OFFRD
, CBP1      , CBP2      , CBP3      ,
      , CBP4      , AS1      , TC5      , RAP1      , HSI1
, TC6      , AS2      , TC7      ,
      , HMA2      , HMA3      , CTB2      , CTB1      , SP1
, SP2      , SP6      , SP7      ,
      , SP8      , SP9      , SP10      , SP11      , SP15
, SP16      , SP17      , . . .      ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

      Y-COORD |      X-COORD (METERS)
      (METERS) |      508618.86      508868.86      509118.86      509368.86      509618.86
509868.86      510118.86      510368.86      510618.86
-----
      3606097.54 |      2.25160      2.41095      1.38419      2.63804      1.28223
0.85915      0.75194      0.72499      0.62385
      3605847.54 |      7.05223      9.35268      2.07758      9.78744      1.75612
1.32209      0.95243      0.86653      0.71805
      3605597.54 |      30.55093      14.72510      10.03660      9.78272      6.94792
3.79800      1.25569      0.85983      0.76712
      3605347.54 |      8.68952      19.94920      14.58298      14.15052      14.38907
2.32818      1.44797      1.03777      1.00820
      3605097.54 |      4.24238      4.72514      3.40708      2.34494      3.02768
7.32794      1.77848      1.42568      1.05560
      3604847.54 |      5.43804      3.22968      2.75843      2.20530      2.08915
1.98656      2.57978      2.22110      1.61715
      3604597.54 |      8.78351      5.52627      3.60606      2.96488      2.22374
1.87575      2.02499      2.14650      2.73765
      3604347.54 |      34.82896      14.70342      7.76700      6.58013      3.41892
2.62833      2.07248      1.95030      1.94611
      3604097.54 |      725.03490      154.61983      36.76738      13.65964      7.69800
4.00649      3.04432      2.75053      2.26824
      3603847.54 |      8589.31773      517.71222      176.50736      72.74331      21.46812
10.44041      7.02345      5.93913      3.82100
      3603597.54 |      1551.02094      204.68659      98.00972      74.59340      51.98906
34.08742      21.25730      16.72010      9.05696
      3603347.54 |      872.25302      165.24757      41.96083      64.43544      129.43046
46.85189      73.71319      39.39002      15.22336
      3603097.54 |      480.70841      382.62049      74.30116      179.13561      134.43003
96.82699      83.69407      27.47841      13.76185
      3602847.54 |      231.00028      215.93936      209.00120      135.32802      104.60255
90.63653      74.81496      58.22101      11.54259
      3602597.54 |      151.89391      145.84557      136.21614      109.17945      91.67951
77.14044      65.37166      41.55902      9.12129
      3602347.54 |      112.93847      108.72642      99.93474      90.81470      80.90516
64.27720      56.55125      51.44083      38.29081
      3602097.54 |      85.44672      84.65423      78.35617      74.45784      69.12149
59.48486      53.39584      44.26606      38.59121
      3601847.54 |      67.86300      67.86352      66.04944      62.00323      57.89308
51.56943      47.55684      43.11261      35.35747
      3601597.54 |      56.05541      57.75118      55.32839      52.59975      48.22401
45.55917      41.50041      39.10435      32.05259
      3601347.54 |      47.17219      49.11388      47.21711      45.40845      40.65339
39.91207      38.03960      33.98762      28.22738
      3601097.54 |      40.74178      41.77070      40.83817      39.29827      36.33934
34.98697      33.81522      28.88150      28.38796

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Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): HMA1 , OFFRD
, CBP1 , CBP2 , CBP3 ,
CBP4 , AS1 , TC5 , RAP1 , HSI1
, TC6 , AS2 , TC7 ,
HMA2 , HMA3 , CTB2 , CTB1 , SP1
, SP2 , SP6 , SP7 ,
SP8 , SP9 , SP10 , SP11 , SP15
, SP16 , SP17 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
510868.86	511118.86
3606097.54	0.55865
3605847.54	0.61684
3605597.54	0.69898
3605347.54	0.89767
3605097.54	0.90054
3604847.54	1.21736
3604597.54	2.35156
3604347.54	1.57082
3604097.54	1.88358
3603847.54	3.09402
3603597.54	6.59876
3603347.54	7.46376
3603097.54	9.24243
3602847.54	8.04380
3602597.54	8.36557
3602347.54	23.54363
3602097.54	34.90072
3601847.54	30.72062
3601597.54	30.01494
3601347.54	26.19082
3601097.54	23.72051

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER
3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): HMA1 , OFFRD
, CBP1 , CBP2 , CBP3 ,
CBP4 , AS1 , TC5 , RAP1 , HSI1
, TC6 , AS2 , TC7 ,

HMA2 , HMA3 , CTB2 , CTB1 , SP1
, SP2 , SP6 , SP7 ,
SP8 , SP9 , SP10 , SP11 , SP15
, SP16 , SP17 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
508226.78	3603955.63	1462.22611	507708.67
3603932.32	274.08128		
506203.59	3603369.23	35.50348	507919.87
3604794.52	103.04092		
507037.89	3604916.08	124.91804	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: AS1 ***
INCLUDING SOURCE(S): AS1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504868.86	505118.86

3606097.5	13.45920 (16020408)	15.31076 (16120805)	18.23684
(16012908)	19.93109 (17020308)	21.09585 (17040507)	
3605847.5	16.06926 (15040607)	15.42365 (15010408)	16.12524
(16020408)	19.67241 (16120805)	23.72406 (16012908)	
3605597.5	17.06629 (15040607)	18.77331 (15040607)	19.84541
(15040607)	20.23706 (15010408)	21.49024 (16020408)	
3605347.5	16.15023 (16011704)	16.52206 (15040607)	18.66177
(15040607)	20.62486 (15040607)	23.62690 (15040607)	
3605097.5	16.81218 (15011519)	18.05167 (17122703)	19.63441
(17012508)	19.49085 (15011608)	21.14153 (15011608)	
3604847.5	22.47551 (15040307)	22.49979 (15040307)	20.53621
(15040307)	20.74304 (15011519)	24.42681 (17122703)	
3604597.5	19.45093 (17092707)	19.91727 (17092707)	21.96137
(15040307)	26.20606 (15040307)	30.24900 (15040307)	
3604347.5	19.77137 (16040507)	19.77437 (16040507)	20.19913
(16010305)	22.58050 (16010305)	26.29487 (15122708)	
3604097.5	17.24657 (17011708)	19.46115 (17011708)	20.89026
(17011708)	22.89641 (17011708)	25.50621 (16021605)	
3603847.5	18.79011 (17021608)	20.04924 (17021608)	22.10988
(15010808)	24.01555 (15010808)	27.67413 (15010808)	
3603597.5	17.42748 (17021608)	17.80567 (17021608)	19.36923
(15021102)	21.75150 (15021102)	23.79515 (15021102)	

Otay Hills Quarry AERMOD Output File (HRA)

3603347.5	15.65681 (17022106)	17.18562 (17122908)	19.25156
(17122908)	20.99381 (17122908)	23.10354 (16121804)	
3603097.5	15.60927 (17021402)	16.79255 (17011719)	18.19860
(17011719)	21.12029 (15012720)	22.72068 (15022622)	
3602847.5	15.31350 (15022622)	16.15481 (17021302)	18.51975
(15020721)	19.78803 (16011702)	21.78018 (17120906)	
3602597.5	14.81593 (17120906)	16.13966 (17120906)	18.00835
(15092907)	22.88467 (15092907)	26.44899 (15092907)	
3602347.5	18.90010 (15092907)	21.70117 (15092907)	22.68688
(15092907)	21.05202 (15092907)	20.82110 (17010708)	
3602097.5	19.13720 (15092907)	16.72978 (15092907)	19.21538
(17092807)	24.11280 (17092807)	25.80460 (17092807)	
3601847.5	17.94432 (17092807)	21.63540 (17092807)	22.39435
(17092807)	26.67115 (15092707)	31.42150 (15092707)	
3601597.5	20.19571 (17092807)	23.01061 (15092707)	27.23561
(15092707)	27.15874 (15092707)	21.69258 (15092707)	
3601347.5	24.29358 (15092707)	25.26700 (15092707)	22.05410
(15092707)	15.56700 (15092707)	11.61901 (17122105)	
3601097.5	21.81780 (15092707)	17.05624 (15092707)	10.93630
(15092707)	10.38942 (17122105)	11.07477 (15121422)	

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Hills\Otay Hills.isc          ***   05/16/19
*** AERMET - VERSION 18081 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: AS1 ***
INCLUDING SOURCE(S): AS1 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)		
506118.86	505368.86	505618.86
	506368.86	505868.86

3606097.5	29.36897 (17040507)	25.85370 (17040507)	27.18874
(17020108)	27.44259 (16121408)	43.81511 (16120208)	
3605847.5	25.05125 (17020308)	30.99048 (17040507)	31.74074
(17040507)	31.37398 (17020108)	32.40792 (16121408)	
3605597.5	26.26943 (16120805)	30.25223 (16012908)	32.40278
(17020907)	38.43111 (17040507)	37.14029 (17020108)	
3605347.5	25.41760 (15010408)	27.27870 (17010206)	35.46013
(16012908)	39.81189 (17020308)	42.71937 (17040507)	
3605097.5	24.33179 (15040607)	28.95274 (15040607)	33.22232
(15010408)	36.54128 (15011008)	47.97076 (16012908)	
3604847.5	24.51317 (17012508)	27.05304 (15011608)	32.34342
(16010821)	36.93514 (15012401)	44.66114 (15010408)	
3604597.5	27.63191 (15040307)	29.69037 (16122808)	30.81315
(15011519)	36.58374 (17012508)	44.22076 (15011608)	
3604347.5	29.94513 (17122422)	34.17269 (17122422)	36.81176
(16122806)	36.36176 (15020702)	45.39830 (16011108)	
3604097.5	29.08859 (16021605)	35.28137 (15020724)	39.65535
(15020724)	38.87041 (16120721)	42.75341 (16120721)	
3603847.5	32.01326 (15010808)	35.36005 (15010808)	37.52432
(15010808)	43.40254 (15010808)	48.96399 (15010808)	
3603597.5	27.37911 (15021102)	29.84850 (15021102)	33.03219
(16012807)	38.56691 (16012807)	48.08006 (15011603)	

3603347.5	25.59777 (17021402)	29.07243 (17021402)	32.75170
(17011719)	39.32115 (15012720)	46.98338 (15022622)	
3603097.5	24.30529 (15022622)	28.64357 (15020721)	31.56685
(16011702)	38.29062 (15011506)	45.72326 (17122623)	
3602847.5	23.97456 (15011506)	28.85074 (15092907)	33.35953
(15092907)	37.32865 (17121503)	45.00281 (17010708)	
3602597.5	27.04424 (15092907)	27.13453 (16022405)	32.17321
(17092807)	36.96611 (17092807)	51.91593 (15092707)	
3602347.5	28.08655 (17092807)	30.67564 (17092807)	40.19577
(15092707)	42.20714 (15092707)	28.50150 (15092707)	
3602097.5	32.12441 (15092707)	36.10759 (15092707)	30.74186
(15092707)	19.57668 (17122105)	21.25045 (15121422)	
3601847.5	29.10744 (15092707)	20.53930 (15092707)	16.44719
(17122105)	17.98061 (15121422)	19.30208 (16121224)	
3601597.5	13.33098 (15092707)	13.95262 (15012201)	15.22712
(17012504)	16.55392 (16012302)	17.35088 (17121505)	
3601347.5	12.39494 (15012201)	13.17229 (17012504)	14.23194
(16012302)	14.92157 (17121505)	16.14583 (16121724)	
3601097.5	11.84579 (15021422)	12.56143 (16012302)	13.30279
(15012624)	14.16401 (16121724)	14.98135 (16022007)	

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Hills\Otay Hills.isc          ***   05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: AS1 ***
INCLUDING SOURCE(S): AS1 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)		
507368.86	506618.86	506868.86
	507618.86	507118.86

3606097.5	45.61826 (16120208)	37.21456 (16010908)	64.77200
(17021308)	68.28308 (15021508)	68.16219 (17021320)	
3605847.5	49.42153 (16120208)	48.98003 (16120208)	48.98685
(15122808)	83.74495 (15021508)	76.10655 (15121303)	
3605597.5	38.93174 (16121408)	55.63859 (16120208)	51.77082
(15121708)	91.60756 (17013021)	86.37383 (15021508)	
3605347.5	47.41512 (17020108)	47.75848 (16121408)	61.25651
(16120208)	61.47854 (15121708)	67.69397 (15021508)	
3605097.5	51.97840 (17020907)	60.59371 (15013124)	70.11903
(16121408)	84.27405 (16120208)	86.08931 (16010908)	
3604847.5	52.94837 (16120805)	71.02712 (17020308)	82.25621
(17020601)	102.05198 (16021321)	134.56376 (16120208)	
3604597.5	53.48077 (15012401)	66.61457 (15010408)	88.64697
(16120805)	115.97538 (17020907)	158.93149 (17020108)	
3604347.5	52.04744 (16122808)	62.13455 (17012508)	80.35880
(15011608)	114.75400 (15121608)	177.26822 (16012908)	
3604097.5	52.57991 (15122708)	67.97299 (17122422)	88.01211
(15020702)	109.22595 (16011108)	151.09904 (17012508)	
3603847.5	54.09433 (15010808)	66.59742 (15010808)	82.24426
(15010808)	111.69190 (15010808)	161.07653 (15010808)	
3603597.5	55.98487 (17122908)	66.07982 (17122908)	84.16866
(17021402)	102.14262 (15012720)	141.83822 (15020721)	

Otay Hills Quarry AERMOD Output File (HRA)

3603347.5	55.61352 (15020721)	63.01106 (17120906)	81.50145
(17122623)	109.32866 (17121503)	124.37864 (17121308)	
3603097.5	53.37014 (17121720)	63.31388 (17010708)	73.14060
(17121308)	80.82552 (17020107)	69.52228 (15121422)	
3602847.5	51.83472 (17121308)	61.75019 (15092707)	43.75025
(17122302)	49.43982 (17012504)	54.44960 (16121802)	
3602597.5	44.36411 (15092707)	33.59552 (17122105)	38.57162
(17021905)	40.54604 (16121802)	45.09378 (16122704)	
3602347.5	26.28371 (15012201)	29.19340 (16121224)	31.90540
(16121802)	34.89776 (16022007)	37.26105 (16020501)	
3602097.5	22.91360 (16121224)	25.07598 (16121802)	27.14784
(16021923)	29.56796 (16120304)	34.37934 (17022603)	
3601847.5	20.40663 (17121505)	22.79496 (17122106)	23.75963
(17012722)	28.75988 (17040807)	29.80671 (17122601)	
3601597.5	18.85919 (16121724)	20.15388 (16122704)	21.16980
(16020501)	24.46929 (17022603)	40.54004 (17020408)	
3601347.5	17.17581 (16022007)	18.22237 (15122919)	24.52400
(17040807)	24.24147 (15041007)	44.91672 (17020408)	
3601097.5	15.84794 (17012722)	21.05246 (17040807)	19.27189
(17022603)	29.42185 (17020408)	42.85910 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: AS1 ***
INCLUDING SOURCE(S): AS1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)	507868.86	508118.86
508618.86	508868.86	508368.86

3606097.5	30.74777 (15082706)	47.92021 (17022408)	16.88824
(17022408)	11.97382 (16091507)	39.85812 (17032607)	
3605847.5	70.53106 (17021508)	83.01733 (16120908)	41.65367
(17022408)	29.25247 (16010424)	85.62838 (17032607)	
3605597.5	89.35270 (17021508)	57.01462 (16121101)	58.96506
(17012203)	91.89140 (15010907)	84.82807 (17032607)	
3605347.5	63.51506 (17021508)	64.67179 (16021807)	64.25719
(17022408)	40.77561 (16091507)	101.12670 (17011124)	
3605097.5	96.23922 (15021508)	106.79498 (17070706)	39.78296
(17022408)	37.74539 (17032607)	28.89320 (15021124)	
3604847.5	156.33209 (15011121)	138.99111 (16020419)	53.99977
(15092607)	58.16303 (17032607)	14.53620 (15022208)	
3604597.5	256.81333 (16120708)	168.88462 (15021508)	76.41273
(15092607)	95.28001 (17032607)	39.33638 (16111708)	
3604347.5	245.79559 (17020108)	347.73271 (15121708)	179.97899
(15082706)	145.66300 (17032607)	69.97460 (15022723)	
3604097.5	255.58786 (15012401)	461.19571 (17020805)	779.81950
(17010917)	892.95805 (16120120)	322.67336 (17120708)	
3603847.5	266.52925 (17121406)	453.74946 (17011708)	1595.40126
(15012407)	2288.04486 (17020717)	253.22693 (17021904)	
3603597.5	236.16786 (17122623)	355.57735 (15011924)	503.70801
(15122919)	359.89358 (16022402)	137.32299 (16012617)	

3603347.5	117.71312 (17122105)	151.66720 (16121724)	261.45878
(15011101)	369.41532 (16012904)	117.07950 (17020419)	
3603097.5	84.72488 (15120324)	113.15804 (17121706)	141.06461
(17020506)	208.02110 (17122218)	181.00806 (17122024)	
3602847.5	64.69667 (16120304)	86.36752 (17020408)	89.74790
(15012120)	107.76188 (15021621)	102.83605 (17010624)	
3602597.5	56.02815 (17121706)	83.20830 (17020408)	67.04027
(16122020)	77.90049 (16022704)	74.68221 (17011319)	
3602347.5	46.55308 (17020408)	58.31803 (17020408)	50.94038
(16022802)	61.33026 (16022704)	58.94985 (17123106)	
3602097.5	58.51262 (17020408)	38.64023 (15012823)	40.41209
(16012923)	48.73651 (17122922)	47.52499 (16012904)	
3601847.5	55.72746 (17020408)	32.63046 (17020506)	33.65151
(17020220)	40.28398 (17122922)	39.68281 (17121306)	
3601597.5	44.61835 (17020408)	28.24544 (15022601)	28.48953
(17020220)	34.03321 (17122922)	34.47152 (15021622)	
3601347.5	32.61805 (17020408)	24.49617 (15012120)	24.81799
(17020220)	29.47310 (17121519)	30.25554 (16112308)	
3601097.5	23.06093 (17111908)	21.75610 (16010605)	22.24701
(16121106)	26.00536 (17121519)	28.31469 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: AS1 ***
INCLUDING SOURCE(S): AS1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)	509118.86	509368.86
509868.86	510118.86	509618.86

3606097.5	13.44000 (17032607)	12.45328 (16071106)	10.06852
(16111708)	7.63432 (17020109)	5.39407 (17020109)	
3605847.5	13.62528 (16010705)	60.30069 (15122821)	15.02799
(16083007)	8.64193 (15022224)	8.54170 (16092207)	
3605597.5	57.57099 (15021924)	51.90428 (15052306)	28.44520
(15022122)	17.63353 (16092207)	10.44663 (17121809)	
3605347.5	78.57297 (15122821)	70.49941 (15092321)	69.36055
(16072606)	17.97975 (16092207)	9.87554 (17121809)	
3605097.5	25.78675 (16083007)	14.44179 (15022224)	22.57932
(16092207)	41.27380 (17090523)	12.85038 (15110508)	
3604847.5	15.24982 (16111708)	15.94428 (16092207)	12.97096
(17121809)	13.10861 (15022724)	16.07277 (15022818)	
3604597.5	22.34514 (16092207)	15.53121 (17121809)	11.37451
(15082707)	13.75737 (17032608)	20.79952 (17032608)	
3604347.5	31.55082 (15082707)	36.81295 (15022818)	38.69386
(17032608)	48.24613 (16040707)	42.95969 (16040707)	
3604097.5	116.40208 (16040707)	72.86648 (16040707)	31.66347
(16040707)	17.93994 (17082707)	16.63709 (17082707)	
3603847.5	119.62527 (15011221)	61.09755 (15122305)	36.05294
(17030408)	26.03617 (17030408)	20.31123 (17030408)	
3603597.5	70.66746 (15022408)	54.98402 (16011417)	44.73781
(15020117)	31.33824 (16012321)	23.62462 (15061907)	

Otay Hills Quarry AERMOD Output File (HRA)

3603347.5	91.24518 (16013009)	82.55640 (16040807)	116.26277
(15022408)	39.80888 (16120918)	65.47057 (16011517)	
3603097.5	64.26440 (16040518)	207.04952 (17040307)	126.56426
(17121101)	135.69821 (15121020)	126.84371 (15022202)	
3602847.5	211.44422 (15020908)	105.21570 (16010421)	93.25351
(17122124)	117.86527 (17022804)	80.78991 (16121121)	
3602597.5	74.71688 (17122024)	89.22876 (17021408)	77.43719
(17011224)	74.16859 (17122124)	71.81563 (16121203)	
3602347.5	55.69971 (15021719)	68.86263 (17120621)	65.76665
(17021408)	57.96588 (17011224)	52.88574 (17122124)	
3602097.5	45.63114 (15022808)	43.91108 (17122024)	58.51045
(15020908)	52.01708 (16121022)	84.93124 (17011224)	
3601847.5	38.83387 (16022321)	37.46650 (16121220)	43.77979
(17120621)	46.05204 (17021408)	42.79882 (16121022)	
3601597.5	33.70464 (16011520)	37.76527 (15022808)	30.04051
(17122024)	38.77457 (17120621)	38.15922 (17021408)	
3601347.5	29.23050 (16122021)	34.64580 (15022808)	25.73173
(15021820)	29.26411 (17120621)	34.84321 (15020908)	
3601097.5	26.52479 (17031208)	25.28105 (15022808)	27.04827
(15022808)	22.82970 (17122024)	29.70896 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: AS1
 INCLUDING SOURCE(S): AS1 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

** CONC OF TAC		IN MICROGRAMS/M**3	
**			
Y-COORD		X-COORD (METERS)	
(METERS)	510368.86	510618.86	510868.86
511118.86			

3606097.5	7.94328 (16092207)	8.72122 (17121809)	7.37208
(17121809)	5.90125 (17032908)		
3605847.5	9.50986 (17121809)	8.04150 (17121809)	6.50182
(17032908)	6.44067 (15082707)		
3605597.5	8.85675 (17121809)	7.18860 (17032908)	6.90538
(15082707)	5.01733 (15082707)		
3605347.5	7.96304 (17032908)	7.17180 (15082707)	4.40976
(15082707)	5.96753 (17122309)		
3605097.5	7.03770 (15082707)	6.10913 (17122309)	9.66027
(17122309)	11.47948 (17122309)		
3604847.5	13.22797 (16082307)	13.56016 (17122309)	20.59758
(16040707)	28.46668 (16040707)		
3604597.5	30.99648 (16040707)	37.01032 (16040707)	31.79718
(16040707)	22.07594 (16040707)		
3604347.5	26.43913 (16040707)	13.35859 (16040707)	10.74736
(17082707)	10.98409 (17082707)		
3604097.5	16.16340 (16090707)	15.55927 (16090707)	14.48617
(16090707)	13.22976 (16090707)		
3603847.5	17.31674 (15062407)	15.84809 (15062407)	14.63406
(15062407)	13.61120 (15062407)		
3603597.5	22.07254 (16052106)	16.48276 (15061907)	14.51530
(17042907)	12.65267 (17042907)		

3603347.5	33.31800 (15120117)	15.18583 (15122221)	7.80539
(15061907)	8.36747 (15061907)		
3603097.5	31.55364 (15022408)	14.54966 (15022408)	11.55526
(17122709)	10.37195 (17122709)		
3602847.5	96.02812 (15121020)	35.93409 (15022408)	30.90894
(15022408)	18.82447 (15022408)		
3602597.5	54.52372 (17062906)	36.53686 (16040807)	39.65445
(16040807)	29.66820 (15022408)		
3602347.5	57.59459 (15013018)	65.80578 (15031607)	31.31861
(15062224)	67.39711 (16040807)		
3602097.5	92.03525 (17040307)	42.43263 (15013018)	40.56765
(16121203)	36.98179 (17123017)		
3601847.5	72.02333 (17011224)	35.57057 (16121120)	32.47540
(16121018)	31.84251 (16121203)		
3601597.5	37.15127 (15020618)	32.38967 (17011224)	31.94913
(16121120)	27.07995 (16013009)		
3601347.5	30.85227 (17121417)	27.57312 (16010421)	26.80855
(17011224)	26.31024 (16121120)		
3601097.5	28.43954 (17021408)	27.11681 (16121022)	24.18451
(16010421)	24.37127 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: AS1
 INCLUDING SOURCE(S): AS1 ,
 *** DISCRETE CARTESIAN RECEPTOR

POINTS ***

** CONC OF TAC		IN MICROGRAMS/M**3	
**			
X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
(M)	Y-COORD (M)	CONC (YYMMDDHH)	

508226.78	3603955.63	689.63865 (15010408)	
507708.67	3603932.32	185.23808 (15122708)	
506203.59	3603369.23	41.43457 (15012720)	
507919.87	3604794.52	134.20280 (15123006)	
507037.89	3604916.08	75.13323 (17020307)	
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*			
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION			
VALUES FOR SOURCE GROUP: AS2			
INCLUDING SOURCE(S): AS2 ,			
*** NETWORK ID: UCART1 ; NETWORK TYPE:			
GRIDCART ***			
** CONC OF TAC IN MICROGRAMS/M**3			
**			

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS) 504618.86
504868.86	505118.86		
3606097.5	13.44736 (16020408)	14.28698 (15011008)	17.19561
(16012908)	19.53430 (17020308)	19.98997 (17020308)	
3605847.5	16.54551 (15040607)	15.52099 (15040607)	16.11554
(16020408)	17.98067 (15011008)	22.49748 (16012908)	
3605597.5	16.41751 (15040607)	18.56763 (15040607)	20.23701
(15040607)	19.72624 (15040607)	21.20929 (16020408)	
3605347.5	15.56845 (17012508)	15.88275 (15011608)	17.61013
(15040607)	20.12393 (15040607)	23.84289 (15040607)	
3605097.5	16.16528 (16122808)	17.02552 (17010407)	19.09914
(17012508)	19.07159 (17012508)	20.72495 (15011608)	
3604847.5	22.06958 (15040307)	22.84495 (15040307)	21.73116
(15040307)	20.54210 (16122808)	22.97481 (16122808)	
3604597.5	19.02425 (17092707)	19.94324 (17092707)	20.41933
(17092707)	24.30082 (15040307)	29.03452 (15040307)	
3604347.5	19.95199 (16040507)	20.27900 (16040507)	20.61189
(16040507)	21.31423 (16011421)	24.28090 (16011421)	
3604097.5	16.62603 (17011708)	18.76449 (17011708)	20.27738
(17011708)	22.34987 (17011708)	24.95704 (17011708)	
3603847.5	19.39733 (17021608)	20.70387 (17021608)	22.67655
(17021608)	23.79122 (17021608)	26.53545 (17122608)	
3603597.5	15.91683 (17021608)	16.14071 (15021102)	18.39108
(15021102)	20.47015 (15021102)	22.22072 (15021102)	
3603347.5	15.18418 (17122908)	16.86530 (17122908)	18.69346
(17122908)	20.18601 (17122908)	22.03712 (16010308)	
3603097.5	14.64162 (17011719)	16.01620 (17011719)	17.36330
(15012720)	19.86766 (15012720)	21.26765 (16021602)	
3602847.5	14.34461 (16021602)	15.30926 (16012803)	17.29846
(16012803)	18.77153 (16011702)	20.63037 (17120906)	
3602597.5	14.22148 (17120906)	15.32132 (15011506)	18.31687
(15092907)	22.88253 (15092907)	25.95919 (15092907)	
3602347.5	18.93663 (15092907)	21.43698 (15092907)	22.07723
(15092907)	20.16975 (15092907)	20.70054 (17092807)	
3602097.5	18.51809 (15092907)	15.98205 (15092907)	19.22352
(17092807)	23.79267 (17092807)	25.10577 (17092807)	
3601847.5	17.91224 (17092807)	21.35221 (17092807)	21.86659
(17092807)	26.34466 (15092707)	30.74936 (15092707)	
3601597.5	19.75345 (17092807)	22.78140 (15092707)	26.77556
(15092707)	26.54482 (15092707)	21.13537 (15092707)	
3601347.5	23.93799 (15092707)	24.76895 (15092707)	21.54267
(15092707)	15.18939 (15092707)	10.93905 (17122105)	
3601097.5	21.35387 (15092707)	16.66190 (15092707)	10.68497
(15092707)	9.81783 (15022607)	10.58603 (15121422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: AS2
INCLUDING SOURCE(S): AS2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS) 505868.86
506118.86	506368.86		
3606097.5	28.30577 (17040507)	28.09281 (17040507)	27.30871
(17020108)	26.84009 (16121408)	40.10220 (16120208)	
3605847.5	25.09966 (17020308)	28.32749 (17040507)	33.13128
(17040507)	30.89804 (17020108)	31.24277 (16121408)	
3605597.5	23.66635 (16011506)	29.36013 (16012908)	31.52786
(17020308)	37.96718 (17040507)	35.24961 (17020108)	
3605347.5	24.30998 (15121608)	26.85016 (16020408)	31.70872
(16011506)	38.68852 (17020308)	40.21750 (15021008)	
3605097.5	23.19412 (15040607)	28.74540 (15040607)	31.71127
(15121608)	35.34692 (16020408)	43.86919 (16012908)	
3604847.5	24.02063 (17012508)	26.25348 (17012508)	30.95908
(15011608)	34.26380 (17012703)	42.41468 (15121608)	
3604597.5	28.00481 (15040307)	28.64518 (16122808)	30.87845
(16122808)	35.28017 (17012508)	41.45339 (17012508)	
3604347.5	27.80677 (15122708)	31.66201 (17122422)	34.18542
(16020401)	34.54645 (15020702)	41.73923 (16011108)	
3604097.5	28.10683 (17011708)	33.73153 (17011708)	36.58488
(17011708)	36.68107 (16120722)	40.62902 (16120722)	
3603847.5	30.63395 (17122608)	33.69016 (17122608)	35.75341
(17122608)	41.16827 (17122608)	46.52255 (17122608)	
3603597.5	25.24415 (15021102)	27.66257 (16012807)	30.63815
(16012807)	35.77332 (17122908)	45.86587 (17122908)	
3603347.5	24.12566 (16010308)	26.96564 (17011719)	30.58381
(17011719)	36.39898 (15012720)	42.66696 (16021602)	
3603097.5	22.46633 (16021602)	26.55683 (16012803)	29.64970
(17120906)	35.72417 (15011506)	42.09972 (16021406)	
3602847.5	22.61685 (15011506)	28.75831 (15092907)	32.41026
(15092907)	34.42988 (17122824)	41.46126 (17010708)	
3602597.5	26.01441 (15092907)	25.20722 (17010704)	31.70140
(17092807)	35.63563 (15092707)	50.08487 (15092707)	
3602347.5	27.66136 (17092807)	29.68522 (17092807)	39.21688
(15092707)	40.71510 (15092707)	27.46983 (15092707)	
3602097.5	31.58344 (15092707)	35.14364 (15092707)	29.71008
(15092707)	18.50571 (17122302)	20.05408 (15121422)	
3601847.5	28.32126 (15092707)	19.93580 (15092707)	15.40518
(17122105)	17.06637 (15121422)	18.31567 (16121224)	
3601597.5	12.99114 (15092707)	13.13732 (15022607)	14.48355
(17012504)	15.69621 (16020405)	16.56970 (17121505)	
3601347.5	11.65881 (15012201)	12.58315 (17012504)	13.53872
(16020405)	14.27885 (17121505)	15.17064 (15120324)	
3601097.5	11.29931 (17021905)	11.98041 (16020405)	12.74028
(17121505)	13.51531 (15120324)	14.04524 (16021923)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: AS2
INCLUDING SOURCE(S): AS2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS) 507118.86
507368.86	507618.86		
3606097.5	48.86487 (16120208)	35.68395 (15121708)	56.88835
(17021308)	72.69581 (15021508)	67.26450 (17010724)	
3605847.5	45.37064 (16120208)	54.14940 (16120208)	47.61458
(16010908)	78.12043 (15021508)	73.48722 (15121303)	
3605597.5	36.80179 (16121408)	51.39611 (16120208)	56.16418
(16120208)	85.17118 (17011603)	94.67290 (15021508)	
3605347.5	43.30397 (15121803)	46.40352 (17020108)	57.29085
(16120208)	62.26591 (15121708)	63.37029 (17021308)	
3605097.5	51.19924 (17020308)	55.82102 (15120308)	68.08986
(17020108)	79.21489 (16120208)	83.37947 (15121708)	
3604847.5	48.94234 (16020408)	66.96466 (16012908)	77.21509
(15021008)	103.05875 (17020108)	128.22721 (16120208)	
3604597.5	49.49699 (17121424)	62.08668 (15121608)	76.52089
(16020408)	114.27724 (17020308)	153.55388 (17020108)	
3604347.5	50.72049 (16122808)	58.24578 (17012508)	74.51108
(17012508)	100.64814 (15012401)	141.60914 (16012908)	
3604097.5	49.10268 (16011421)	61.67423 (16011421)	79.75056
(17020524)	96.37910 (15020702)	141.20550 (16122808)	
3603847.5	52.45335 (17122608)	63.97963 (17122608)	79.27206
(17122608)	105.22985 (17122608)	148.77481 (17122608)	
3603597.5	53.03280 (17122908)	61.12728 (16010308)	75.49537
(17011719)	92.28300 (16021602)	125.03275 (16011702)	
3603347.5	50.58940 (16012803)	57.68612 (17120906)	73.38711
(16021406)	96.48546 (17122824)	112.49642 (17121308)	
3603097.5	49.21441 (17121720)	58.00584 (17010708)	67.44566
(17121308)	72.73169 (16021107)	63.01838 (15121422)	
3602847.5	48.56410 (17121308)	59.24387 (15092707)	41.49829
(15092707)	45.51583 (17012504)	49.78460 (15013101)	
3602597.5	42.59602 (15092707)	30.99665 (16011206)	35.83214
(17021905)	37.17833 (15013101)	42.11712 (16122704)	
3602347.5	24.30436 (15012201)	27.32728 (17021905)	29.55996
(17121505)	32.05973 (17022221)	34.81535 (17011624)	
3602097.5	21.62558 (16121224)	23.63441 (17121505)	25.52862
(17010801)	27.82126 (16120304)	32.36780 (16011119)	
3601847.5	19.44691 (17121505)	21.48028 (17010801)	22.28761
(17012722)	27.48317 (17040807)	28.18303 (15021805)	
3601597.5	17.66728 (16121724)	19.14909 (16122704)	20.11252
(17011624)	23.05303 (16011119)	36.24264 (17020408)	
3601347.5	16.13059 (16022007)	17.31771 (16120304)	24.17405
(17040807)	23.11845 (15041007)	42.44135 (17020408)	
3601097.5	15.06730 (17012722)	19.69342 (17040807)	18.08767
(17040807)	26.08083 (17020408)	42.39451 (17020408)	

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: AS2
INCLUDING SOURCE(S): AS2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS) 508368.86
508618.86	508868.86		
3606097.5	36.92492 (17070706)	41.91936 (17022408)	20.79824
(17022408)	13.04927 (16112208)	38.63963 (17032607)	
3605847.5	79.79877 (17021508)	98.51023 (16120908)	50.27300
(17022408)	33.90357 (15111919)	87.90610 (17032607)	
3605597.5	84.47124 (17021508)	54.58766 (16021807)	57.84374
(16120106)	65.14182 (15010907)	94.02341 (17032607)	
3605347.5	57.45660 (15021508)	62.92345 (15022206)	71.76529
(17022408)	34.32397 (16091507)	120.14098 (17120924)	
3605097.5	99.42296 (15021508)	135.97327 (16012808)	41.19057
(17022408)	26.12131 (16112208)	35.72380 (17032607)	
3604847.5	178.66877 (16010223)	164.65666 (15121303)	85.87220
(17022408)	41.61739 (17032607)	19.41464 (17032607)	
3604597.5	184.58236 (15120408)	173.93541 (15021508)	66.45556
(15013009)	82.54903 (17032607)	37.03517 (16111708)	
3604347.5	209.22103 (15120308)	304.51307 (15123008)	239.16283
(17102907)	241.41164 (17032607)	58.76096 (17022620)	
3604097.5	225.63279 (15011608)	407.32550 (16012908)	779.14136
(15121708)	931.20584 (16122307)	396.73242 (17120708)	
3603847.5	234.95233 (17122608)	395.07987 (17122608)	1113.66458
(17122608)	4356.45039 (15011320)	355.06087 (15061006)	
3603597.5	197.30806 (16021406)	292.67611 (17020106)	384.65687
(16122704)	376.38197 (16021308)	201.29376 (16013009)	
3603347.5	103.34252 (17122302)	133.47458 (15120324)	218.49707
(15022505)	313.82544 (17122218)	104.04963 (16022919)	
3603097.5	76.02074 (15120324)	98.77513 (17022103)	125.05127
(15012823)	185.37684 (16022219)	169.26603 (16121220)	
3602847.5	59.51576 (17012722)	75.53893 (16021904)	81.57681
(16011319)	100.36268 (17122205)	96.73008 (15021419)	
3602597.5	51.92414 (17022103)	80.66523 (17020408)	62.19558
(16010118)	73.77506 (17122205)	70.76378 (16122021)	
3602347.5	42.19140 (15021805)	63.05340 (17020408)	48.15613
(16122020)	57.29882 (17122205)	55.93470 (15020321)	
3602097.5	53.38200 (17020408)	41.27393 (17020408)	38.40997
(16022802)	45.98605 (17121519)	45.22139 (17121306)	
3601847.5	54.83067 (17020408)	30.96040 (17122619)	31.94256
(16012923)	38.04322 (17121519)	37.60191 (15021622)	
3601597.5	46.57037 (17020408)	26.53682 (16011319)	27.13079
(16012923)	32.39394 (15121123)	32.46470 (16112308)	
3601347.5	35.61746 (17020408)	23.07019 (15022601)	23.68810
(17010402)	28.04852 (15121123)	30.45321 (16112308)	
3601097.5	24.95114 (17020408)	20.75493 (16010118)	21.17232
(17010402)	24.71628 (15121123)	27.71035 (16112308)	

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: AS2
INCLUDING SOURCE(S): AS2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS) 509618.86
509868.86	510118.86		
3606097.5	17.83588 (17032607)	12.93829 (15121322)	10.30619
(16111708)	7.75836 (17020109)	5.70413 (17020109)	
3605847.5	12.15067 (15021124)	63.98582 (15122821)	16.07215
(16083007)	7.39038 (17020109)	8.49298 (16092207)	
3605597.5	67.28658 (15021924)	61.74717 (17060105)	32.31671
(15092321)	17.21425 (15022123)	10.50796 (17121809)	
3605347.5	92.47252 (15033023)	78.85066 (16120518)	82.52150
(17022521)	19.04873 (16092207)	10.21076 (17121809)	
3605097.5	26.06298 (16083007)	11.57524 (15022224)	23.70770
(16092207)	48.90366 (17090523)	13.00477 (15110508)	
3604847.5	17.77754 (16111708)	16.49843 (16092207)	13.58369
(17121809)	11.68962 (15022724)	14.75645 (15022818)	
3604597.5	22.91294 (16092207)	16.46493 (17121809)	11.72363
(15082707)	14.44014 (17032608)	20.75696 (17032608)	
3604347.5	34.80291 (17012305)	33.54590 (15022818)	41.16963
(17032608)	50.93814 (16040707)	42.05950 (16040707)	
3604097.5	139.38034 (16040707)	71.83399 (16040707)	26.66193
(16040707)	18.95120 (17082707)	17.48562 (16090707)	
3603847.5	154.22053 (15061006)	80.56164 (15021202)	35.17490
(17030408)	24.69441 (17030408)	20.84349 (15062407)	
3603597.5	96.25169 (15022408)	47.22715 (17122117)	37.09742
(17010520)	29.63816 (15020117)	21.93766 (15061907)	
3603347.5	101.33891 (16013009)	67.69003 (16040807)	136.36907
(16100807)	38.92804 (15022408)	76.90691 (17040401)	
3603097.5	54.32211 (17020419)	210.79204 (17040307)	123.61187
(17022804)	140.43621 (17011308)	136.93159 (16121122)	
3602847.5	145.82942 (17120621)	94.99928 (16121022)	81.25840
(16121120)	92.85796 (16121203)	74.74776 (17121101)	
3602597.5	69.21255 (16121220)	85.71290 (15020908)	71.64029
(16010421)	67.08667 (16121120)	67.69310 (16122817)	
3602347.5	53.18156 (15011507)	58.71231 (17120621)	68.65486
(17021408)	53.90715 (16010601)	50.58142 (16121120)	
3602097.5	43.62212 (15021419)	41.45657 (17010406)	53.62244
(17120621)	49.34838 (17021408)	85.45122 (15011201)	
3601847.5	37.17553 (17011319)	36.30987 (15022808)	36.40612
(17120621)	44.63784 (15020908)	41.08186 (16121022)	
3601597.5	31.81120 (16122021)	38.27153 (15022808)	28.52008
(17010406)	36.97273 (17120621)	38.35786 (17021408)	
3601347.5	28.40814 (17031208)	30.51101 (15022808)	25.17035
(16121220)	25.60574 (16121008)	32.88708 (15020908)	
3601097.5	24.48196 (17031208)	23.92844 (17011319)	29.80778
(15022808)	21.81140 (16092807)	27.17927 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: AS2
INCLUDING SOURCE(S): AS2
*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS) 510868.86
511118.86			
3606097.5	8.02253 (16092207)	8.79516 (17121809)	7.55484
(17121809)	5.94032 (17032908)		
3605847.5	9.58131 (17121809)	8.25949 (17121809)	6.56016
(17032908)	6.51041 (15082707)		
3605597.5	9.12297 (17121809)	7.27442 (17032908)	7.00079
(15082707)	5.08592 (15082707)		
3605347.5	8.08821 (17032908)	7.29197 (15082707)	4.46548
(15082707)	6.16299 (17122309)		
3605097.5	7.17021 (15082707)	6.34024 (17122309)	9.96278
(17122309)	11.70530 (17122309)		
3604847.5	13.54135 (16082307)	13.86793 (17122309)	22.07973
(16040707)	29.60913 (16040707)		
3604597.5	33.17435 (16040707)	37.85779 (16040707)	31.16801
(16040707)	20.83119 (16040707)		
3604347.5	24.27825 (16040707)	11.65537 (16040707)	11.36077
(17082707)	11.37696 (17082707)		
3604097.5	17.11773 (16090707)	15.97516 (16090707)	14.53025
(16090707)	13.03413 (16090707)		
3603847.5	18.67837 (15062407)	16.96864 (15062407)	15.57864
(15062407)	14.42262 (15062407)		
3603597.5	21.07273 (15061907)	16.44968 (15061907)	13.44083
(17042907)	11.86350 (17042907)		
3603347.5	34.98233 (15091922)	13.60507 (17082908)	8.40383
(17122709)	6.72922 (15061907)		
3603097.5	37.85628 (15022408)	20.52761 (15022408)	11.53958
(17122709)	10.76211 (17122709)		
3602847.5	103.34114 (15121020)	37.78881 (16040807)	33.82661
(15022408)	23.46510 (15022408)		
3602597.5	63.82679 (15031607)	30.58598 (16040807)	40.32806
(16040807)	32.17580 (16040807)		
3602347.5	55.89587 (15013018)	67.32812 (17010220)	35.70403
(16071324)	60.20765 (16040807)		
3602097.5	92.46280 (17040307)	38.49235 (17122124)	39.14837
(16121203)	36.01629 (17022804)		
3601847.5	69.21836 (16010601)	33.68067 (17122518)	31.03696
(17122124)	30.05306 (16122817)		
3601597.5	35.04540 (16121022)	30.68071 (17011224)	30.03380
(17122518)	25.63955 (17122124)		
3601347.5	31.72502 (17021408)	24.62321 (16010421)	25.90280
(17011224)	24.73658 (17122518)		
3601097.5	27.91208 (15020908)	25.17969 (17021408)	22.26113
(16010421)	23.54383 (17011224)		

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: AS2
INCLUDING SOURCE(S): AS2
*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD
508226.78	3603955.63	558.12234	(17012508)	
507708.67	3603932.32	162.58948	(17011708)	
506203.59	3603369.23	38.38664	(15012720)	
507919.87	3604794.52	165.62421	(15122808)	
507037.89	3604916.08	70.91309	(15021008)	

*** AERMOD - VERSION 18081 ***
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 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP1
 INCLUDING SOURCE(S): CBP1 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504868.86	504118.86
	504368.86
	504618.86

3606097.5	14.27122 (15010408)	14.83001 (16020408)	17.62622
(16120805)	20.89762 (16012908)	21.97913 (17020308)	
3605847.5	17.76938 (15040607)	17.60707 (15040607)	17.23953
(15010408)	18.81001 (17010206)	23.50372 (16120805)	
3605597.5	15.59573 (15040607)	18.64177 (15040607)	21.67096
(15040607)	22.62635 (15040607)	23.50502 (15010408)	
3605347.5	16.86115 (17012508)	16.80726 (16011704)	18.13850
(15011608)	19.62343 (15040607)	25.22214 (15040607)	
3605097.5	19.67924 (15040307)	18.92900 (16122808)	20.17777
(15011519)	20.38783 (17012508)	21.91780 (16011704)	
3604847.5	20.98010 (15040307)	23.59914 (15040307)	24.62349
(15040307)	24.70507 (15040307)	26.23544 (16122808)	
3604597.5	17.67414 (17092707)	19.75439 (17092707)	21.80724
(17092707)	24.33078 (17122422)	28.45481 (16122806)	
3604347.5	20.32246 (16040507)	21.62270 (16040507)	23.22237
(16040507)	24.95089 (16040507)	27.12923 (16120721)	
3604097.5	17.52853 (15010808)	19.64524 (15010808)	20.90977
(16122719)	23.22160 (17121406)	26.36316 (17121406)	
3603847.5	21.28462 (17021608)	22.65564 (17021608)	24.78872
(17021608)	25.81108 (17021608)	28.01986 (17021608)	
3603597.5	16.45348 (16012807)	17.98216 (16012807)	20.40783
(16012807)	22.45630 (15011603)	24.45452 (15011603)	
3603347.5	16.09973 (16121804)	17.61660 (16121804)	19.81006
(17021402)	21.35280 (17021402)	23.59058 (17011719)	
3603097.5	15.77517 (16120824)	17.31916 (15022622)	18.64807
(15022622)	21.30053 (15020721)	22.83742 (15020721)	
3602847.5	15.44064 (15020721)	16.69803 (16011702)	18.90788
(17120906)	20.35623 (15011506)	24.46615 (15092907)	
3602597.5	15.99043 (15092907)	20.14826 (15092907)	23.81874
(15092907)	24.95432 (15092907)	22.91887 (15092907)	
3602347.5	21.08820 (15092907)	20.39139 (15092907)	17.46162
(15092907)	21.96879 (17092807)	27.06022 (17092807)	

3602097.5	15.16142 (17092807)	20.27566 (17092807)	23.73446
(17092807)	23.87719 (15092707)	31.60784 (15092707)	
3601847.5	21.22658 (17092807)	20.79265 (17092807)	26.55939
(15092707)	29.45263 (15092707)	26.85521 (15092707)	
3601597.5	23.18652 (15092707)	26.44430 (15092707)	25.34476
(15092707)	19.89794 (15092707)	12.13823 (15092707)	
3601347.5	24.04540 (15092707)	20.50178 (15092707)	14.33353
(15092707)	10.78678 (17122105)	11.59481 (15012201)	
3601097.5	15.84797 (15092707)	10.09336 (15092707)	9.65180
(17122105)	10.42978 (15012201)	11.00220 (17012504)	

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 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP1
 INCLUDING SOURCE(S): CBP1 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86
	505618.86
	505868.86

3606097.5	28.45194 (17040507)	31.23405 (17040507)	29.16208
(17020108)	29.08597 (16121408)	41.33460 (16120208)	
3605847.5	27.13442 (16012908)	28.18433 (17020907)	35.83979
(17040507)	32.23891 (17020108)	34.24654 (16021321)	
3605597.5	24.93706 (17010206)	31.46548 (16012908)	36.20200
(17020308)	39.45229 (17040507)	37.54086 (15013124)	
3605347.5	26.94867 (15040607)	30.11642 (15010408)	33.62266
(15011008)	43.58284 (16012908)	46.19150 (17020907)	
3605097.5	24.82568 (15011608)	30.18103 (16012303)	34.38015
(15020622)	40.32329 (15010408)	46.60279 (16120805)	
3604847.5	25.12709 (15011519)	28.23158 (17012508)	34.51540
(16011704)	39.69346 (16010821)	47.39575 (15012401)	
3604597.5	27.67373 (15040307)	31.86638 (15040307)	33.38653
(16011108)	38.70728 (16122808)	46.32568 (17012508)	
3604347.5	31.24459 (16120721)	35.81498 (16010305)	39.25523
(15122708)	38.19051 (17122422)	46.78550 (16122806)	
3604097.5	30.34377 (17121406)	37.30827 (17121406)	41.88105
(17011708)	41.92102 (17011708)	46.93464 (17011708)	
3603847.5	30.68196 (16012620)	33.98134 (16012620)	36.10938
(16012620)	41.60478 (16012620)	46.44816 (16012620)	
3603597.5	28.32380 (17122908)	31.11361 (17122908)	34.15717
(16121804)	40.03453 (17021402)	50.24852 (17011719)	
3603347.5	26.35542 (15012720)	29.95684 (15022622)	32.85740
(15020721)	40.13627 (15020721)	48.29257 (17120906)	
3603097.5	24.96877 (17120906)	29.44412 (15011506)	32.86121
(17122623)	39.56805 (16121801)	46.95310 (17121503)	
3602847.5	28.58844 (15092907)	30.09186 (15092907)	31.80480
(17010708)	38.68040 (17092807)	48.73254 (15092707)	
3602597.5	24.63838 (17010708)	32.10402 (17092807)	36.22637
(15092707)	47.48299 (15092707)	42.58444 (15092707)	
3602347.5	29.54026 (15092707)	38.70801 (15092707)	38.28844
(15092707)	26.31606 (15092707)	23.50108 (15012201)	

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 33.47232 (15092707) 27.24104 (15092707) 18.18775
(17122105) 19.51200 (15012201) 21.05091 (16121224)
3601847.5 | 18.50382 (15092707) 15.19454 (17122105) 16.50752
(15121422) 17.87577 (16121224) 19.14052 (15012624)
3601597.5 | 12.94334 (15012201) 13.98126 (17012504) 15.10507
(16020521) 16.40197 (15012624) 17.34215 (15120324)
3601347.5 | 12.32393 (17012504) 13.06051 (16012302) 14.09074
(15012624) 14.95681 (15120820) 15.86520 (16021923)
3601097.5 | 11.77906 (16012302) 12.45248 (15012624) 13.30678
(15120820) 13.99272 (16021923) 14.56463 (16122704)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CBP1
INCLUDING SOURCE(S): CBP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 506618.86 506868.86 507118.86
507368.86 507618.86
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3606097.5 | 52.20260 (16120208) 39.73638 (16010908) 64.19585
(17021308) 74.59095 (15021508) 72.54763 (17021320)
3605847.5 | 47.04252 (16120208) 58.58934 (16120208) 55.70117
(16010908) 87.58471 (16021523) 77.94957 (17010208)
3605597.5 | 41.19114 (16021321) 53.62171 (16120208) 60.96771
(16120208) 107.90345 (17011603) 95.38625 (15021508)
3605347.5 | 50.97629 (17020307) 53.18628 (17020108) 60.07666
(16120208) 70.53915 (15121708) 71.68463 (17021308)
3605097.5 | 59.77425 (17020308) 67.31711 (17020601) 82.55966
(17020108) 86.20511 (16120208) 101.14584 (16010908)
3604847.5 | 57.22680 (15010408) 74.44916 (16120805) 93.68969
(17020308) 124.20195 (17020108) 219.19693 (17013108)
3604597.5 | 59.39576 (15011608) 71.80581 (16012303) 93.53950
(15010408) 142.07670 (16012908) 174.90079 (17020307)
3604347.5 | 55.32205 (15020702) 67.77325 (16011108) 88.99713
(15011519) 132.96083 (15011608) 184.72997 (15121608)
3604097.5 | 57.29788 (17011708) 73.75520 (16021605) 98.07004
(15020724) 117.59035 (16120721) 174.56624 (17122422)
3603847.5 | 50.94954 (15021102) 64.27495 (15021102) 79.25096
(16012807) 111.45845 (16012807) 169.63417 (17122908)
3603597.5 | 58.15472 (15012720) 68.71676 (15022622) 87.36225
(16011702) 108.31480 (17122623) 151.48837 (17010708)
3603347.5 | 58.35756 (17122623) 65.15061 (17121720) 85.82549
(17010708) 111.54389 (17020106) 84.98324 (17122105)
3603097.5 | 54.98302 (17010708) 63.61711 (15011924) 64.96607
(16021107) 58.29222 (15012201) 67.38453 (17121505)
3602847.5 | 58.94124 (15092707) 38.08737 (15092707) 43.19309
(15121422) 48.15695 (17121505) 51.81944 (16122704)
3602597.5 | 29.03275 (17122105) 33.29362 (17012504) 37.71744
(17121505) 39.32426 (16021923) 42.83205 (16020501)
3602347.5 | 26.12312 (17021905) 28.76942 (17121505) 31.41484
(17010801) 33.62459 (16120304) 38.37656 (17022603)

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3602097.5 | 22.58007 (17121505) 24.92855 (16121724) 26.00201
(17012722) 30.66846 (17040807) 32.95968 (17020408)
3601847.5 | 20.46300 (16121724) 22.27145 (16122704) 23.03424
(17011624) 26.63402 (17022603) 44.67094 (17020408)
3601597.5 | 18.56552 (16022007) 19.71095 (15122919) 25.49335
(17040807) 25.26528 (15041007) 47.96039 (17020408)
3601347.5 | 16.83726 (17012722) 21.40436 (17040807) 20.50466
(17022603) 32.07125 (17020408) 43.92471 (17020408)
3601097.5 | 15.51062 (17011624) 21.76258 (17040807) 21.75841
(15041007) 38.15532 (17020408) 36.39749 (17020408)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CBP1
INCLUDING SOURCE(S): CBP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 507868.86 508118.86 508368.86
508618.86 508868.86
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3606097.5 | 28.67078 (15013009) 54.06944 (17022408) 15.86042
(16112208) 19.95700 (17032607) 38.08372 (17032607)
3605847.5 | 71.51661 (17021508) 84.17848 (16121101) 33.25214
(17022408) 37.79768 (16091507) 43.48815 (16031023)
3605597.5 | 95.01804 (17021508) 67.48470 (16121101) 67.27940
(15122121) 94.14801 (15042602) 73.33705 (16031023)
3605347.5 | 69.39019 (17021508) 71.79862 (16021807) 55.71944
(17022408) 49.23249 (16091507) 88.35744 (15092203)
3605097.5 | 111.61160 (15021508) 103.01869 (17070706) 37.13689
(17022408) 65.92790 (17032607) 28.82633 (15121322)
3604847.5 | 150.99084 (15122808) 143.21562 (17021508) 50.42300
(17022408) 85.83218 (17032607) 31.99596 (16111708)
3604597.5 | 350.93952 (17013108) 201.61712 (15021508) 82.20901
(15092607) 89.21419 (17032607) 27.80950 (17020519)
3604347.5 | 310.46684 (17020308) 471.86211 (15123008) 201.61973
(15022104) 143.18335 (15122318) 74.11573 (17012305)
3604097.5 | 331.76672 (16011108) 624.41517 (15012401) 1923.98109
(15122808) 1486.22887 (16120221) 249.73379 (16040707)
3603847.5 | 288.24258 (17011719) 509.81262 (17122623) 1372.34289
(15120820) 1063.84454 (17123017) 267.08750 (16010917)
3603597.5 | 242.33669 (17020107) 228.93633 (15012624) 388.02161
(16010204) 202.81494 (15012817) 152.18649 (16013009)
3603347.5 | 112.57702 (17121505) 144.39411 (17121706) 205.41724
(15012120) 260.00519 (16122021) 88.26050 (15010817)
3603097.5 | 79.11721 (17012722) 102.95852 (17020408) 118.24970
(16122020) 165.35195 (17121306) 143.99921 (15011107)
3602847.5 | 65.11579 (17121706) 92.04265 (17020408) 77.58251
(16012923) 89.30302 (17122218) 88.75254 (17010624)
3602597.5 | 55.19483 (17020408) 56.84845 (17020408) 59.90174
(17020220) 67.54448 (17122218) 64.94007 (16022321)
3602347.5 | 65.00438 (17020408) 44.04737 (17020506) 46.20975
(16121106) 54.56175 (15021621) 52.55808 (16122021)

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Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	58.18719 (17020408)	36.05063 (16011319)	37.12024
(16121106)	43.53955 (16022704)	43.14851 (16012904)	
3601847.5	44.34604 (17020408)	30.41432 (15012120)	31.86944
(15120902)	36.80022 (16022704)	35.90575 (15020405)	
3601597.5	30.56459 (17020408)	26.53974 (16010605)	27.77397
(15120902)	31.59629 (16022704)	32.00815 (17121306)	
3601347.5	23.43764 (17111908)	23.09414 (16010605)	24.89030
(15120902)	27.40972 (17122922)	28.19022 (15021622)	
3601097.5	20.21721 (17020506)	20.77590 (16122020)	22.64443
(15120902)	24.46164 (17122922)	26.75740 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP1
 INCLUDING SOURCE(S): CBP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	7.68194 (16032803)	19.40237 (16111708)	7.90835
(17020109)	6.93043 (17020109)	7.96644 (16092207)	
3605847.5	12.81437 (15121322)	57.56272 (15052306)	11.58526
(17091007)	8.01944 (16010706)	9.77121 (17121809)	
3605597.5	54.07144 (16111605)	51.36764 (15092321)	31.76011
(16100201)	21.21987 (17121809)	10.15849 (17121809)	
3605347.5	70.05440 (17060105)	69.99199 (16101307)	59.64018
(16123006)	16.16402 (17012305)	8.61429 (17032908)	
3605097.5	21.03435 (16083007)	14.27412 (16092207)	20.58146
(17012305)	37.20514 (17120708)	12.50622 (15110508)	
3604847.5	17.32927 (16092207)	16.12042 (17121809)	11.69354
(15082707)	11.19507 (16042804)	16.58738 (17032608)	
3604597.5	20.54489 (17121809)	13.60725 (15042418)	23.66491
(17032608)	28.30903 (16040707)	42.35215 (16040707)	
3604347.5	35.75397 (17032608)	54.71102 (16040707)	56.42083
(16040707)	31.57285 (16040707)	13.57375 (16040707)	
3604097.5	87.02490 (17032307)	54.79087 (16090707)	27.06239
(17091207)	20.60176 (16090707)	17.19677 (16090707)	
3603847.5	137.91781 (15012019)	83.28457 (17012817)	35.43974
(15061907)	27.81530 (15061907)	26.24725 (17042907)	
3603597.5	100.49242 (16040807)	60.20471 (15022408)	37.48765
(15122117)	29.24593 (16011417)	21.66755 (17011917)	
3603347.5	63.76655 (16013009)	52.73236 (16041107)	134.72329
(16040807)	49.06665 (15022408)	59.43358 (15111922)	
3603097.5	51.37522 (17020419)	215.70328 (17040307)	115.84693
(16121203)	112.24918 (17011308)	105.88084 (15121020)	
3602847.5	182.20490 (17120621)	90.71718 (16121022)	84.31636
(16121120)	120.31287 (16122817)	70.51163 (17123017)	
3602597.5	67.15599 (17122024)	76.83803 (15020908)	71.88222
(16010421)	69.91244 (16121120)	66.11432 (15013018)	
3602347.5	50.25941 (15021719)	59.95462 (17120621)	64.70018
(17021408)	53.73914 (16010421)	53.10410 (17122518)	

3602097.5	43.85254 (15022808)	40.69860 (17122024)	52.89257
(15020908)	48.05829 (17121417)	76.90672 (15011201)	
3601847.5	35.83663 (16022321)	34.90378 (16121220)	38.66631
(17120621)	42.07665 (15020908)	42.55394 (16121022)	
3601597.5	31.20841 (16011520)	36.23974 (15022808)	28.29625
(17122024)	36.41479 (17120621)	36.56615 (17021408)	
3601347.5	27.55428 (16122021)	33.95115 (15022808)	24.10075
(15021820)	26.00165 (17120621)	32.72676 (15020908)	
3601097.5	26.05421 (17031208)	25.58976 (15022808)	26.11182
(15022808)	21.80190 (17122024)	27.74206 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP1
 INCLUDING SOURCE(S): CBP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			

3606097.5	9.02047 (17121809)	8.25419 (17121809)	6.11665
(17032908)	6.15925 (15082707)		
3605847.5	9.09955 (17121809)	6.81418 (17032908)	6.80254
(15082707)	5.61734 (15082707)		
3605597.5	7.63976 (17032908)	7.37961 (15082707)	5.29072
(15082707)	4.14868 (17122309)		
3605347.5	7.74141 (15082707)	5.17765 (15051907)	7.22897
(17122309)	9.92179 (17122309)		
3605097.5	7.66277 (17122309)	11.46139 (17122309)	12.60657
(17122309)	20.45947 (16040707)		
3604847.5	17.23863 (16040707)	29.33325 (16040707)	33.52577
(16040707)	29.30334 (16040707)		
3604597.5	38.17262 (16040707)	25.58046 (16040707)	14.37016
(16040707)	8.68654 (17082707)		
3604347.5	13.91352 (17082707)	13.29505 (17082707)	12.37444
(16090707)	12.47907 (16090707)		
3604097.5	15.07928 (17030408)	13.93895 (17030408)	13.06106
(17030408)	12.31270 (17030408)		
3603847.5	21.16775 (17042907)	16.99585 (17042907)	14.66377
(15062407)	13.84337 (15062407)		
3603597.5	20.37366 (15020117)	13.53528 (15061907)	12.62466
(15061907)	11.33565 (15061907)		
3603347.5	29.75430 (17020318)	13.95735 (16011417)	10.18871
(17122709)	8.20400 (17122709)		
3603097.5	39.46627 (15022408)	29.98830 (15022408)	15.92003
(15022408)	10.36374 (17122709)		
3602847.5	80.83502 (17011308)	41.92472 (16040807)	32.49579
(15022408)	28.83174 (15022408)		
3602597.5	49.33376 (15011223)	21.76956 (16040807)	35.94748
(16040807)	35.49168 (16040807)		
3602347.5	64.82529 (16121018)	56.62534 (17010220)	28.40741
(16071324)	38.97544 (17011308)		

Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	74.29160 (17040307)	40.73933 (17122124)	39.19803
(16122817)	37.09909 (17022804)		
3601847.5	68.18793 (16010601)	35.51093 (17122518)	32.18853
(17122124)	30.32380 (15013018)		
3601597.5	36.19993 (16121022)	30.84904 (17011224)	31.73362
(17122518)	25.96438 (17122124)		
3601347.5	30.14473 (17021408)	24.87773 (15020618)	25.90944
(17011224)	26.07198 (17122518)		
3601097.5	26.25732 (15020908)	25.69267 (17121417)	22.13477
(16010421)	24.10783 (17011224)		

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PAGE 411
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP1 INCLUDING SOURCE(S): CBP1 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***
 ** CONC OF TAC IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
508226.78	3603955.63	1119.93952 (15010808)	
507708.67	3603932.32	211.66943 (17122608)	
506203.59	3603369.23	42.34586 (15020721)	
507919.87	3604794.52	126.71801 (17020808)	
507037.89	3604916.08	85.53548 (17020907)	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
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PAGE 412
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP2 INCLUDING SOURCE(S): CBP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***
 ** CONC OF TAC IN MICROGRAMS/M**3

Y-COORD (METERS)	X-COORD (METERS)
504868.86	504118.86
	504368.86
	504618.86

3606097.5	14.12541 (15010408)	14.86430 (16020408)	16.38704
(16120805)	20.12348 (16012908)	22.07539 (17020308)	
3605847.5	17.74558 (15040607)	18.18437 (15040607)	16.97268
(15010408)	18.73727 (16020408)	22.01900 (16120805)	

3605597.5	14.87388 (15011608)	17.78253 (15040607)	21.33021
(15040607)	23.13799 (15040607)	22.84291 (15010408)	
3605347.5	16.30051 (17012508)	16.69421 (17012508)	17.61483
(15011608)	19.19691 (15011608)	24.36149 (15040607)	
3605097.5	20.78203 (15040307)	19.32210 (16021108)	19.99399
(15011519)	19.62519 (15020201)	21.92069 (17012508)	
3604847.5	19.31693 (15040307)	22.32701 (15040307)	24.09344
(15040307)	25.16758 (15040307)	26.41353 (15040307)	
3604597.5	17.36353 (16010305)	18.72531 (15122708)	20.84353
(17092707)	23.61434 (17122422)	27.76729 (17122422)	
3604347.5	19.33423 (16040507)	20.76806 (16040507)	22.55331
(16040507)	24.55768 (16040507)	26.82529 (16040507)	
3604097.5	17.49598 (15010808)	19.62745 (15010808)	20.94730
(15010808)	22.92190 (15010808)	25.54337 (15010808)	
3603847.5	20.59234 (17021608)	21.81485 (17021608)	23.72115
(17021608)	24.56109 (17021608)	26.45360 (17021608)	
3603597.5	16.15444 (16012807)	17.52601 (16012807)	19.69652
(16012807)	21.91961 (15011603)	23.77597 (17122908)	
3603347.5	15.73617 (16121804)	17.34164 (17021402)	19.28392
(17021402)	20.82092 (17011719)	22.83227 (15012720)	
3603097.5	15.37881 (15012720)	16.94762 (15022622)	18.03269
(15022622)	20.87540 (15020721)	22.06006 (15020721)	
3602847.5	15.03804 (15020721)	16.28503 (16011702)	18.41115
(17120906)	19.79711 (15011506)	24.35484 (15092907)	
3602597.5	16.09265 (15092907)	20.08892 (15092907)	23.52121
(15092907)	24.43251 (15092907)	22.27673 (15092907)	
3602347.5	20.75192 (15092907)	19.94255 (15092907)	16.99340
(15092907)	21.68273 (17092807)	26.59891 (17092807)	
3602097.5	15.04060 (17092807)	20.02283 (17092807)	23.37598
(17092807)	23.37497 (15092707)	30.96602 (15092707)	
3601847.5	20.93625 (17092807)	20.51580 (17092807)	26.07191
(15092707)	29.02775 (15092707)	26.68778 (15092707)	
3601597.5	22.78451 (15092707)	26.05847 (15092707)	25.13141
(15092707)	19.93832 (15092707)	12.36249 (15092707)	
3601347.5	23.80237 (15092707)	20.45089 (15092707)	14.46605
(15092707)	10.54587 (17122105)	11.32119 (15012201)	
3601097.5	15.89841 (15092707)	10.25067 (15092707)	9.49552
(17122105)	10.24817 (15012201)	10.80556 (17012504)	

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP2 INCLUDING SOURCE(S): CBP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***
 ** CONC OF TAC IN MICROGRAMS/M**3

Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86
	505618.86
	505868.86

3606097.5	25.54441 (17040507)	31.97530 (17040507)	27.42004
(17020108)	28.55520 (17020108)	35.29419 (16120208)	
3605847.5	26.76577 (16012908)	28.36491 (17020308)	34.65344
(17040507)	31.04929 (15013124)	35.01148 (17020108)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	24.65822 (16020408)	29.56740 (16120805)	35.46640
(16012908)	37.80776 (17020907)	36.90592 (17020307)	
3605347.5	27.24634 (15040607)	28.97557 (15010408)	32.60034
(16020408)	40.46922 (16012908)	46.84994 (17020308)	
3605097.5	24.30857 (15011608)	29.73365 (16010821)	33.77819
(15012401)	38.65999 (15121608)	43.13687 (16020408)	
3604847.5	25.03388 (16122808)	26.99927 (15020201)	33.91700
(17012508)	39.31060 (15011608)	45.29677 (16012303)	
3604597.5	26.38342 (16122806)	30.36305 (15040307)	31.97617
(16011108)	37.73992 (16011108)	45.02110 (15011519)	
3604347.5	30.27113 (16120721)	34.62807 (16120721)	37.67304
(16010305)	37.24694 (15122708)	45.57030 (17122422)	
3604097.5	28.84938 (17121406)	35.61755 (17121406)	40.19443
(17121406)	40.09322 (17121406)	44.80802 (17011708)	
3603847.5	29.59481 (16012620)	32.51168 (16012620)	34.23909
(16012620)	39.54681 (15021102)	45.21638 (15021102)	
3603597.5	27.54900 (17122908)	29.91891 (17122908)	32.97279
(16121804)	38.63059 (17021402)	48.14600 (17011719)	
3603347.5	25.47938 (15012720)	28.90741 (15022622)	32.08623
(15020721)	38.63653 (16011702)	46.02064 (17120906)	
3603097.5	24.35725 (17120906)	28.51681 (15011506)	31.61200
(17122623)	37.97600 (16121801)	44.88056 (17121503)	
3602847.5	28.11661 (15092907)	29.24033 (15092907)	30.78790
(17010708)	37.75307 (17092807)	47.04489 (15092707)	
3602597.5	24.19034 (17092807)	31.45579 (17092807)	35.21786
(15092707)	46.27990 (15092707)	42.14839 (15092707)	
3602347.5	28.81405 (15092707)	37.81775 (15092707)	37.76396
(15092707)	26.50752 (15092707)	22.55634 (15012201)	
3602097.5	32.99161 (15092707)	27.19991 (15092707)	17.67717
(17122302)	18.97338 (15012201)	20.43821 (17021905)	
3601847.5	18.67265 (15092707)	14.84971 (17122105)	16.04737
(15121422)	17.32173 (16121224)	18.57369 (15012624)	
3601597.5	12.54335 (15012201)	13.60703 (15121422)	14.73816
(16020521)	15.96011 (15012624)	16.91492 (15120324)	
3601347.5	12.03950 (17012504)	12.80594 (16020521)	13.74387
(15012624)	14.54627 (15120820)	15.46481 (16021923)	
3601097.5	11.46054 (16012302)	12.16813 (15012624)	12.96515
(16121802)	13.69363 (17122106)	14.36224 (16122704)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP2
 INCLUDING SOURCE(S): CBP2
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

**	Y-COORD (METERS)	CONC OF TAC	IN MICROGRAMS/M**3
507368.86	506618.86	506868.86	507118.86
-	507618.86	-	-

3606097.5	53.77413 (16120208)	40.68445 (15121708)	53.03815
(15122808)	80.38711 (15021508)	74.83327 (17010724)	
3605847.5	39.86946 (16120208)	62.20599 (16120208)	54.26845
(16010908)	92.90794 (15120107)	77.15605 (15011120)	

3605597.5	43.34479 (17020108)	45.11854 (16120624)	67.90420
(16120208)	107.58276 (16010908)	102.15832 (15021508)	
3605347.5	49.72247 (17020601)	54.01115 (17020108)	57.07584
(16120624)	68.06388 (15123008)	73.82390 (15122808)	
3605097.5	58.01778 (16012908)	65.24446 (17020907)	77.18459
(17020108)	78.26663 (16120624)	100.25010 (15121708)	
3604847.5	54.43191 (15121608)	64.91408 (16020408)	94.67372
(17020308)	113.47575 (17020307)	141.72103 (16120624)	
3604597.5	57.59781 (17012508)	70.35665 (15011608)	86.84379
(15121608)	121.46560 (16120805)	170.92104 (17020205)	
3604347.5	53.00940 (16122806)	62.98954 (15020702)	85.95592
(16122808)	124.64873 (17012508)	167.74181 (15012401)	
3604097.5	55.12522 (17011708)	71.28166 (17011708)	92.57799
(17011708)	111.73854 (15020724)	158.46036 (16010305)	
3603847.5	49.51713 (15021102)	61.11387 (16012807)	75.23468
(16012807)	104.99685 (17122908)	152.27545 (16121804)	
3603597.5	55.23219 (15022622)	63.90478 (15022622)	81.83365
(17120906)	100.26618 (17122623)	138.78219 (17010708)	
3603347.5	55.33584 (17122623)	61.70162 (17121720)	80.44919
(17010708)	103.74998 (17020106)	78.82426 (17122302)	
3603097.5	52.38408 (17121308)	60.35848 (15011924)	62.89997
(15092707)	54.69385 (15012201)	63.02101 (17121505)	
3602847.5	57.35023 (15092707)	38.40394 (15092707)	41.22017
(15121422)	45.63466 (17121505)	49.07510 (16022007)	
3602597.5	27.97416 (17122105)	32.00154 (17012504)	36.05201
(17121505)	37.52950 (17010801)	40.99397 (17011624)	
3602347.5	25.14836 (17021905)	27.67745 (17121505)	30.05295
(16121724)	32.34409 (17012722)	37.42432 (17121706)	
3602097.5	21.83731 (15012624)	24.12613 (16121724)	25.41309
(16122704)	28.47853 (17040807)	31.84728 (17122601)	
3601847.5	19.78889 (15120324)	21.53253 (16022007)	22.40037
(17011624)	25.72465 (17121706)	38.71335 (17020408)	
3601597.5	17.93690 (16022007)	19.08969 (17012722)	25.00878
(17040807)	23.88831 (15041007)	45.15032 (17020408)	
3601347.5	16.21969 (17012722)	19.33757 (17040807)	19.77748
(17040807)	27.40691 (17020408)	44.24028 (17020408)	
3601097.5	15.10227 (17011624)	22.02782 (17040807)	20.54182
(15041007)	34.72753 (17020408)	38.72528 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP2
 INCLUDING SOURCE(S): CBP2
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

**	Y-COORD (METERS)	CONC OF TAC	IN MICROGRAMS/M**3
508618.86	507868.86	508118.86	508368.86
-	508868.86	-	-

3606097.5	29.50815 (17021508)	47.65649 (17022408)	18.53753
(17022408)	13.91177 (16091507)	41.82900 (17032607)	
3605847.5	84.32535 (17021508)	102.96089 (16120908)	46.10818
(17022408)	32.91442 (16091507)	84.16764 (17032607)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	87.93434 (17021508)	61.97136 (16021807)	67.62311
(17012203)	105.25753 (15010907)	79.10791 (17011124)	
3605347.5	69.73662 (15021508)	77.50071 (16021807)	72.35929
(17022408)	47.49336 (16091507)	94.50349 (17081424)	
3605097.5	119.32499 (17010917)	124.81192 (17021508)	44.84769
(17022408)	52.99661 (17032607)	26.63479 (15121322)	
3604847.5	162.29577 (16122108)	149.84863 (17010208)	67.80550
(15092607)	83.44496 (17032607)	30.88888 (16111708)	
3604597.5	317.50093 (17013108)	171.82568 (15021508)	86.28874
(15092607)	128.74618 (17032607)	39.49113 (16111708)	
3604347.5	290.56369 (16012908)	451.86939 (16121408)	271.23045
(17021508)	173.58041 (17121617)	89.22311 (17011903)	
3604097.5	289.27545 (17122422)	527.54453 (15011519)	1773.28277
(15121703)	2019.79732 (17020508)	294.39602 (15021203)	
3603847.5	253.27015 (15022622)	419.38187 (17122623)	880.59484
(16020521)	1375.59175 (15020618)	327.97294 (15012417)	
3603597.5	215.67690 (17020107)	199.04195 (17011920)	332.56395
(16121719)	212.90764 (17062006)	116.25892 (15021708)	
3603347.5	102.71767 (17011920)	120.33048 (16020501)	186.35159
(17020506)	250.72564 (17121306)	86.02137 (17012108)	
3603097.5	73.32250 (16122704)	92.51397 (16021904)	111.64209
(15012120)	160.02603 (17122218)	144.68459 (15021719)	
3602847.5	61.77887 (17121706)	92.41703 (17020408)	74.56763
(16122020)	87.53708 (15021621)	87.26847 (17021807)	
3602597.5	50.35010 (17122601)	67.09259 (17020408)	57.52430
(16022802)	66.17974 (16022704)	64.48512 (16122021)	
3602347.5	58.42996 (17020408)	42.32470 (15012823)	44.78473
(16012923)	53.54081 (16022704)	51.73864 (16012904)	
3602097.5	58.58584 (17020408)	35.20704 (17020506)	36.11283
(17020220)	43.23412 (17122922)	42.17501 (15020405)	
3601847.5	48.61665 (17020408)	29.58790 (15022601)	30.58504
(17020220)	36.20062 (17122922)	35.59563 (15021622)	
3601597.5	35.73126 (17020408)	25.90674 (15012120)	25.94076
(16121106)	30.97731 (17122922)	31.38586 (15021622)	
3601347.5	24.77533 (17020408)	22.60574 (15012120)	23.05495
(16121106)	27.07215 (17121519)	29.30973 (16112308)	
3601097.5	20.78245 (17111908)	20.37660 (16010605)	20.75715
(16121106)	24.11793 (17121519)	27.24734 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP2
 INCLUDING SOURCE(S): CBP2
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

**	Y-COORD (METERS)	CONC OF TAC	IN MICROGRAMS/M**3
509868.86	509118.86	509368.86	509618.86
511118.86	510118.86		

3606097.5	8.85444 (17032607)	17.56973 (16111708)	9.00804
(16111708)	7.35407 (17020109)	7.65999 (16092207)	
3605847.5	11.58379 (15121322)	59.87335 (15080402)	12.59243
(17091007)	8.58777 (16010706)	9.64962 (17121809)	

3605597.5	54.66482 (16111605)	53.56652 (15092321)	34.37500
(16100201)	20.74308 (17121809)	10.58002 (17121809)	
3605347.5	79.13775 (17060105)	74.25047 (16101307)	67.70222
(16021524)	16.31360 (17011903)	8.75323 (17032908)	
3605097.5	24.54780 (16083007)	14.17013 (16092207)	21.57842
(17011903)	39.70352 (17120708)	12.99680 (15110508)	
3604847.5	16.13464 (16010706)	17.12954 (17121809)	12.02483
(15082707)	11.99978 (16042804)	16.80156 (17032608)	
3604597.5	22.18122 (17121809)	14.15301 (15042418)	24.92173
(17032608)	29.78651 (16040707)	43.79444 (16040707)	
3604347.5	40.97434 (15022818)	59.32530 (16040707)	57.29911
(16040707)	29.94813 (16040707)	14.47422 (17082707)	
3604097.5	94.78677 (17032307)	59.81614 (16090707)	27.75011
(17030408)	22.32898 (17030408)	18.63554 (17030408)	
3603847.5	148.09041 (17012318)	84.92794 (16010417)	38.28861
(15061907)	32.79079 (15061907)	25.52348 (17042907)	
3603597.5	77.39761 (16040807)	70.78524 (15022408)	42.53314
(16021802)	32.03529 (17122117)	18.51178 (17011917)	
3603347.5	38.11068 (15122717)	60.87977 (16041107)	128.03763
(16040807)	49.12770 (15022408)	74.40142 (15022408)	
3603097.5	52.95118 (15010817)	192.26135 (17021621)	118.04143
(15013018)	118.61666 (15031607)	114.31898 (15121020)	
3602847.5	149.16995 (16121008)	92.23346 (17121417)	85.04644
(17122518)	112.99595 (15013018)	74.86742 (17022804)	
3602597.5	66.14202 (16121220)	75.03107 (15020908)	71.16448
(16121022)	70.87766 (17122518)	66.52916 (17122124)	
3602347.5	50.12302 (15022808)	48.54623 (17120621)	63.72852
(17021408)	50.87901 (16010421)	53.72805 (17122518)	
3602097.5	40.84694 (17021807)	40.00761 (15021820)	51.59168
(17120621)	50.18965 (17021408)	74.65701 (16010421)	
3601847.5	35.44996 (17011319)	36.09899 (15022808)	33.69327
(16121008)	42.19012 (15020908)	41.44213 (17121417)	
3601597.5	30.95750 (16122021)	37.20050 (15022808)	28.07384
(15011107)	34.33274 (17120621)	35.45199 (17021408)	
3601347.5	27.78609 (17031208)	29.79040 (15022808)	24.15020
(16121220)	24.42976 (16121008)	31.40069 (17120621)	
3601097.5	24.66259 (17031208)	23.30053 (16022321)	29.38308
(15022808)	21.63371 (15011107)	25.17521 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP2
 INCLUDING SOURCE(S): CBP2
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

**	Y-COORD (METERS)	CONC OF TAC	IN MICROGRAMS/M**3
511118.86	510368.86	510618.86	510868.86
511118.86			

3606097.5	8.96516 (17121809)	8.54431 (17121809)	6.10239
(17032908)	6.17187 (15082707)		
3605847.5	9.44484 (17121809)	6.82757 (17032908)	6.87089
(15082707)	5.79712 (15082707)		

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	7.69965 (17032908)	7.52935 (15082707)	5.51235
(15082707)	4.12492 (17122309)		
3605347.5	8.00091 (15082707)	5.30283 (15051907)	7.26188
(17122309)	10.04255 (17122309)		
3605097.5	7.67654 (17122309)	11.62684 (17122309)	12.80599
(17122309)	21.12802 (16040707)		
3604847.5	17.94936 (16040707)	30.35991 (16040707)	34.15758
(16040707)	29.28078 (16040707)		
3604597.5	38.28472 (16040707)	24.83616 (16040707)	13.53901
(16040707)	9.15857 (17082707)		
3604347.5	14.48802 (17082707)	13.56329 (17082707)	13.12445
(16090707)	12.98473 (16090707)		
3604097.5	16.29504 (17030408)	14.76072 (17030408)	13.64170
(17030408)	12.73443 (17030408)		
3603847.5	22.38229 (17042907)	18.19733 (17042907)	14.93619
(17042907)	13.34711 (15062407)		
3603597.5	20.54595 (15020117)	12.16412 (15061907)	11.96191
(15061907)	11.15899 (15061907)		
3603347.5	31.95467 (17010617)	13.42650 (17122117)	10.95370
(17122709)	9.06100 (17122709)		
3603097.5	39.07908 (16040807)	34.81618 (15022408)	21.35271
(15022408)	10.14523 (17122709)		
3602847.5	88.71766 (17011308)	43.23033 (16040807)	33.07682
(16040807)	31.11865 (15022408)		
3602597.5	52.00574 (15010822)	15.38625 (16040807)	31.63062
(16040807)	37.01415 (16040807)		
3602347.5	54.11129 (17122124)	59.13826 (16122817)	30.75501
(16111407)	40.15698 (16120121)		
3602097.5	68.23487 (17021919)	39.75233 (17122124)	39.37715
(15013018)	36.34213 (17022804)		
3601847.5	65.77324 (16010421)	35.74528 (17122518)	30.48083
(17122124)	30.51449 (15013018)		
3601597.5	37.23226 (16121022)	30.54664 (16010421)	31.90018
(17122518)	24.11571 (17122124)		
3601347.5	31.19559 (17021408)	26.05914 (16121022)	25.29193
(16010601)	26.17916 (17122518)		
3601097.5	26.73364 (15020908)	25.99272 (17021408)	21.43693
(16121022)	23.37275 (16010601)		

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP2 ***

INCLUDING SOURCE(S): CBP2 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
508226.78	3603955.63	782.79896 (16012807)	
507708.67	3603932.32	181.69902 (15021102)	
506203.59	3603369.23	40.72374 (16011702)	
507919.87	3604794.52	137.13847 (17022107)	
507037.89	3604916.08	86.13883 (17020308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP3 ***

INCLUDING SOURCE(S): CBP3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
504868.86	504118.86
504368.86	505118.86

3606097.5	14.23430 (15010408)	14.88400 (16020408)	17.06574
(16120805)	20.59973 (16012908)	22.12006 (17020308)	
3605847.5	17.80481 (15040607)	17.94622 (15040607)	17.16558
(15010408)	18.81403 (16020408)	22.92037 (16120805)	
3605597.5	15.06760 (15040607)	18.26119 (15040607)	21.58003
(15040607)	22.98194 (15040607)	23.33319 (15010408)	
3605347.5	16.65477 (17012508)	16.72287 (17012508)	17.93158
(15011608)	19.20516 (16010821)	24.90113 (15040607)	
3605097.5	20.31625 (15040307)	18.92745 (16122808)	20.20185
(15011519)	20.05766 (17012508)	21.94088 (17012508)	
3604847.5	20.22512 (15040307)	23.06616 (15040307)	24.47535
(15040307)	25.06242 (15040307)	25.95558 (16011108)	
3604597.5	17.55946 (16010305)	19.20022 (17092707)	21.41838
(17092707)	24.11350 (17122422)	28.03049 (16122806)	
3604347.5	19.89647 (16040507)	21.27290 (16040507)	22.98040
(16040507)	24.86676 (16040507)	27.02652 (15020724)	
3604097.5	17.57532 (15010808)	19.72083 (15010808)	21.01037
(15010808)	22.95988 (15010808)	25.81174 (17121406)	
3603847.5	21.00291 (17021608)	22.30948 (17021608)	24.34871
(17021608)	25.28442 (17021608)	27.35527 (17021608)	
3603597.5	16.35473 (16012807)	17.81147 (16012807)	20.12782
(16012807)	22.27662 (15011603)	24.14444 (15011603)	
3603347.5	15.96135 (16121804)	17.52911 (17021402)	19.61258
(17021402)	21.12400 (17011719)	23.26724 (17011719)	
3603097.5	15.61472 (16120824)	17.17891 (15022622)	18.38922
(15022622)	21.16198 (15020721)	22.52058 (15020721)	
3602847.5	15.27640 (15020721)	16.53290 (16011702)	18.71498
(17120906)	20.13446 (15011506)	24.46532 (15092907)	
3602597.5	16.07153 (15092907)	20.15770 (15092907)	23.72089
(15092907)	24.74718 (15092907)	22.64765 (15092907)	
3602347.5	20.95846 (15092907)	20.20456 (15092907)	17.25997
(15092907)	21.86785 (17092807)	26.88754 (17092807)	
3602097.5	15.12769 (17092807)	20.18594 (17092807)	23.60046
(17092807)	23.67371 (15092707)	31.35863 (15092707)	
3601847.5	21.11866 (17092807)	20.69203 (17092807)	26.36486
(15092707)	29.29886 (15092707)	26.83360 (15092707)	
3601597.5	23.02621 (15092707)	26.30029 (15092707)	25.28666
(15092707)	19.95896 (15092707)	12.27600 (15092707)	
3601347.5	23.96810 (15092707)	20.51538 (15092707)	14.42794
(15092707)	10.68907 (17122105)	11.48378 (15012201)	
3601097.5	15.90353 (15092707)	10.19148 (15092707)	9.59336
(17122105)	10.36116 (15012201)	10.92894 (17012504)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CBP3 ***
INCLUDING SOURCE(S): CBP3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS)	505868.86
506118.86	506368.86			

3606097.5	27.16591 (17040507)	31.86215 (17040507)	28.49115
(17020108)	28.87646 (16021321)	38.50894 (16120208)	
3605847.5	27.15825 (16012908)	28.08916 (15122723)	35.57366
(17040507)	31.01970 (15013124)	33.87532 (16021321)	
3605597.5	24.80444 (16020408)	30.55923 (16120805)	36.03946
(17020308)	38.16438 (17020205)	37.08524 (15013124)	
3605347.5	27.24002 (15040607)	29.78999 (15010408)	32.75772
(16020408)	42.50691 (16012908)	46.61219 (17020308)	
3605097.5	24.68200 (15011608)	29.99025 (16010821)	34.26142
(15012401)	39.66721 (15010408)	44.10954 (15011008)	
3604847.5	25.00719 (16122808)	27.56842 (17012508)	34.24621
(17012508)	39.89468 (15011608)	46.59299 (15012401)	
3604597.5	26.64975 (15020702)	31.31251 (15040307)	32.82016
(16011108)	38.34344 (16122808)	45.54124 (15011519)	
3604347.5	30.96223 (16120721)	35.16772 (16010305)	38.40257
(16010305)	37.81474 (15122708)	46.53604 (17122422)	
3604097.5	29.76329 (17121406)	36.67635 (17121406)	41.31123
(17121406)	40.92131 (17011708)	46.00480 (17011708)	
3603847.5	30.27898 (16012620)	33.41745 (16012620)	35.36795
(16012620)	40.52494 (16012620)	45.93240 (15021102)	
3603597.5	28.06065 (17122908)	30.64824 (17122908)	33.71355
(16121804)	39.52872 (17021402)	49.46848 (17011719)	
3603347.5	26.01113 (15012720)	29.54652 (15022622)	32.60963
(15020721)	39.52438 (16011702)	47.38161 (17120906)	
3603097.5	24.73823 (17120906)	29.09043 (15011506)	32.35718
(17122623)	38.93680 (16121801)	46.11001 (17121503)	
3602847.5	28.41636 (15092907)	29.74414 (15092907)	31.41294
(17010708)	38.33962 (17092807)	48.09009 (15092707)	
3602597.5	24.42190 (17092807)	31.86520 (17092807)	35.82810
(15092707)	47.05663 (15092707)	42.56241 (15092707)	
3602347.5	29.25446 (15092707)	38.37782 (15092707)	38.15288
(15092707)	26.50892 (15092707)	23.09561 (15012201)	
3602097.5	33.31409 (15092707)	27.29539 (15092707)	17.95386
(17122302)	19.29741 (15012201)	20.78869 (17021905)	
3601847.5	18.63306 (15092707)	15.05958 (17122105)	16.32140
(15121422)	17.65032 (16121224)	18.91907 (15012624)	
3601597.5	12.77306 (15012201)	13.81002 (17012504)	14.96269
(16020521)	16.22993 (15012624)	17.18511 (15120324)	
3601347.5	12.21102 (17012504)	12.96333 (16020521)	13.95617
(15012624)	14.79640 (15120820)	15.71787 (16021923)	
3601097.5	11.64770 (16012302)	12.34245 (15012624)	13.14471
(15120820)	13.84513 (17122106)	14.51234 (16122704)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CBP3 ***
INCLUDING SOURCE(S): CBP3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS)	507118.86
507368.86	507618.86			

3606097.5	53.48849 (16120208)	40.31291 (15121708)	58.61589
(17021308)	78.41236 (15021508)	73.44563 (17021320)	
3605847.5	43.72346 (16120208)	61.08351 (16120208)	56.03749
(16010908)	90.32557 (16021523)	75.81927 (15121303)	
3605597.5	42.52000 (17020108)	49.71639 (16120208)	65.23046
(16120208)	106.83994 (17011603)	100.37329 (15021508)	
3605347.5	50.36915 (17020601)	54.20291 (17020108)	57.05477
(15121208)	68.47870 (15121708)	72.87476 (17022201)	
3605097.5	59.55927 (16012908)	66.86119 (17020205)	81.53315
(17020108)	79.48079 (16120208)	102.56108 (15121708)	
3604847.5	55.83288 (15121608)	70.40804 (16120805)	96.20817
(17020308)	116.60411 (17020108)	214.51839 (17013108)	
3604597.5	58.60686 (17012508)	71.42393 (16010821)	91.26498
(15121608)	133.39979 (16012908)	173.20710 (17020601)	
3604347.5	54.13834 (15020702)	65.76261 (16011108)	88.33706
(16122808)	128.46141 (17012508)	175.54121 (15121608)	
3604097.5	56.51555 (17011708)	72.99441 (17011708)	95.31795
(16021605)	115.13763 (15020724)	168.77506 (15122708)	
3603847.5	50.42439 (15021102)	62.90647 (15021102)	77.59123
(16012807)	108.34409 (17122908)	161.85443 (17122908)	
3603597.5	56.98093 (15012720)	66.70394 (15022622)	85.08662
(16011702)	104.90089 (17122623)	146.08794 (17010708)	
3603347.5	57.11893 (17122623)	63.75514 (17121720)	83.59251
(17010708)	108.16554 (17020106)	82.26853 (17122302)	
3603097.5	53.90322 (17121308)	62.28996 (15011924)	64.02849
(16021107)	56.74447 (15012201)	65.61721 (17121505)	
3602847.5	58.42291 (15092707)	38.41588 (15092707)	42.37286
(15121422)	47.14463 (17121505)	50.65232 (16022007)	
3602597.5	28.59307 (17122105)	32.76434 (17012504)	37.04490
(17121505)	38.53083 (16021923)	41.88894 (16020501)	
3602347.5	25.72289 (17021905)	28.33608 (17121505)	30.87387
(17010801)	33.04888 (17012722)	37.87457 (17121706)	
3602097.5	22.28706 (15012624)	24.63110 (16121724)	25.75069
(16122704)	29.78051 (17040807)	32.57852 (17122601)	
3601847.5	20.14430 (16121724)	21.92443 (16122704)	22.82073
(17011624)	26.00115 (17022603)	41.85032 (17020408)	
3601597.5	18.31904 (16022007)	19.42757 (15122919)	25.40403
(17040807)	24.68233 (15041007)	46.81291 (17020408)	
3601347.5	16.58789 (17012722)	20.45284 (17040807)	20.14481
(17022603)	29.80221 (17020408)	44.32804 (17020408)	
3601097.5	15.36274 (17011624)	22.00952 (17040807)	21.22910
(15041007)	36.58525 (17020408)	37.74040 (17020408)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CBP3 ***
INCLUDING SOURCE(S): CBP3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS) 508368.86
508618.86	508868.86		

3606097.5	26.40448 (15082706)	51.42119 (17022408)	15.80013
(17022408)	16.38505 (17032607)	40.32957 (17032607)	
3605847.5	79.04031 (17021508)	86.91644 (16121101)	39.64501
(17022408)	35.75877 (16091507)	42.07625 (17081606)	
3605597.5	93.46536 (17021508)	64.52988 (16121101)	66.34025
(17012203)	100.36583 (15042602)	72.99339 (16031023)	
3605347.5	68.96585 (17010208)	76.70423 (16021807)	64.82144
(17022408)	49.33219 (16091507)	89.48082 (17081424)	
3605097.5	114.80747 (15021508)	116.19876 (17021508)	41.99264
(17022408)	60.92789 (17032607)	29.63096 (15121322)	
3604847.5	149.07940 (15011206)	135.74759 (16011719)	57.57384
(15092607)	88.03530 (17032607)	31.98358 (16111708)	
3604597.5	355.73873 (17013108)	197.87890 (15021508)	92.26513
(15092607)	113.14866 (17032607)	31.60070 (16111708)	
3604347.5	309.60650 (16012908)	457.19076 (15121208)	256.14161
(17021508)	164.54674 (15121322)	80.15531 (17011903)	
3604097.5	309.71486 (15020702)	593.63956 (15011608)	1858.51195
(16120207)	1722.23191 (17011520)	262.71892 (15021203)	
3603847.5	272.01856 (15012720)	467.97344 (17122623)	1105.47620
(15012624)	1147.86121 (15020218)	289.56540 (17020318)	
3603597.5	230.71057 (17020107)	215.84183 (15012624)	363.21045
(15011101)	230.46036 (15012517)	115.92149 (16013009)	
3603347.5	108.47717 (17121505)	133.94420 (17121706)	198.04050
(16011319)	257.06099 (16012904)	88.16701 (15011017)	
3603097.5	76.63289 (17012722)	96.39369 (17021207)	116.02857
(16010605)	162.80460 (15021622)	144.93932 (16121220)	
3602847.5	64.15241 (17121706)	93.67457 (17020408)	76.26562
(16022802)	89.45467 (17122218)	88.24772 (17021807)	
3602597.5	51.35096 (16021904)	62.56189 (17020408)	58.79813
(16012923)	66.81328 (15021621)	65.11926 (16011520)	
3602347.5	62.18315 (17020408)	42.86404 (17020506)	45.75081
(17020220)	53.96581 (16022704)	52.28464 (17123106)	
3602097.5	58.86213 (17020408)	35.75125 (16011319)	36.67069
(17020220)	43.76594 (16022704)	42.76594 (16012904)	
3601847.5	46.77450 (17020408)	30.15509 (15022601)	30.97037
(16121106)	36.37981 (16022704)	36.03520 (17121306)	
3601597.5	33.26353 (17020408)	26.35247 (15012120)	26.37177
(16121106)	31.40157 (17122922)	31.88760 (15021622)	
3601347.5	24.00513 (17111908)	23.01784 (16010605)	23.25590
(16121106)	27.34832 (17122922)	28.76488 (16112308)	
3601097.5	20.15146 (17111908)	20.56941 (16122020)	21.19939
(15120902)	24.22235 (17122922)	27.22667 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CBP3 ***
INCLUDING SOURCE(S): CBP3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS) 509618.86
509868.86	510118.86		

3606097.5	7.63722 (15022218)	18.56326 (16111708)	8.45926
(16111708)	7.14557 (17020109)	7.83046 (16092207)	
3605847.5	12.57718 (15121322)	57.14427 (15080402)	12.09362
(17091007)	8.37020 (16010706)	9.71893 (17121809)	
3605597.5	53.82008 (16111605)	51.48388 (15092321)	32.10385
(16100201)	21.00925 (17121809)	10.37149 (17121809)	
3605347.5	73.77960 (17060105)	70.65298 (16101307)	61.18437
(16021524)	15.50817 (17012305)	8.68603 (17122908)	
3605097.5	22.82026 (16083007)	14.29356 (16092207)	19.84973
(17011903)	37.51314 (17120708)	12.74923 (15110508)	
3604847.5	16.63671 (16010706)	16.63503 (17121809)	11.86389
(15082707)	11.50912 (16042804)	16.71686 (17032608)	
3604597.5	21.38400 (17121809)	13.89772 (15042418)	24.27734
(17032608)	29.02699 (16040707)	43.06408 (16040707)	
3604347.5	37.36841 (15022818)	56.91069 (16040707)	56.88112
(16040707)	30.79389 (16040707)	14.00796 (17082707)	
3604097.5	90.84090 (17032307)	57.43367 (16090707)	27.19184
(17091207)	20.76641 (17030408)	17.68706 (17030408)	
3603847.5	143.91871 (15012018)	74.79761 (15021718)	37.73881
(15061907)	30.40520 (15061907)	26.04749 (17042907)	
3603597.5	93.38192 (16040807)	67.44866 (15022408)	40.59873
(15122117)	31.51736 (16011417)	20.75947 (17011917)	
3603347.5	47.33837 (16013009)	57.85709 (16041107)	134.51902
(16040807)	50.01126 (15022408)	65.34547 (15022408)	
3603097.5	50.55070 (16010521)	204.64847 (17040307)	116.89978
(16121203)	108.92655 (17011308)	110.56915 (15121020)	
3602847.5	167.09815 (17120621)	94.65047 (16121022)	86.64463
(17122518)	118.32603 (15013018)	73.61587 (17022804)	
3602597.5	66.96056 (15011107)	77.70613 (15020908)	68.77599
(15020618)	71.88424 (17122518)	64.76689 (15013018)	
3602347.5	50.06489 (15011507)	55.11041 (17120621)	65.41998
(17021408)	53.37981 (16010421)	54.47017 (17122518)	
3602097.5	41.72213 (15022808)	40.57925 (15011107)	52.44337
(17120621)	48.78174 (17021408)	74.55282 (16010421)	
3601847.5	35.61263 (16022321)	34.72004 (16121220)	35.10019
(17120621)	42.70854 (15020908)	42.32405 (16121022)	
3601597.5	31.30651 (16011520)	37.30806 (15022808)	28.06663
(17122024)	35.79846 (17120621)	36.38417 (17021408)	
3601347.5	27.69240 (17031208)	32.27263 (15022808)	24.20190
(16121220)	24.91128 (16121008)	31.79740 (15020908)	
3601097.5	25.65067 (17031208)	23.61660 (16022321)	28.02965
(15022808)	21.73262 (17122024)	26.70818 (17120621)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP3 ***
 INCLUDING SOURCE(S): CBP3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS)	510868.86
3606097.5	8.99901 (17121809)	8.40030 (17121809)	6.11122	
(17032908)	6.16701 (15082707)			
3605847.5	9.27370 (17121809)	6.82285 (17032908)	6.83805	
(15082707)	5.70651 (15082707)			
3605597.5	7.67193 (17032908)	7.45531 (15082707)	5.40005	
(15082707)	4.13701 (17122309)			
3605347.5	7.87075 (15082707)	5.23978 (15051907)	7.24528	
(17122309)	9.98125 (17122309)			
3605097.5	7.66985 (17122309)	11.54275 (17122309)	12.70472	
(17122309)	20.78753 (16040707)			
3604847.5	17.58547 (16040707)	29.83733 (16040707)	33.84106	
(16040707)	29.29847 (16040707)			
3604597.5	38.24066 (16040707)	25.22197 (16040707)	13.96104	
(16040707)	8.91962 (17082707)			
3604347.5	14.20403 (17082707)	13.43620 (17082707)	12.75159	
(16090707)	12.73807 (16090707)			
3604097.5	15.69584 (17030408)	14.36227 (17030408)	13.36446	
(17030408)	12.53602 (17030408)			
3603847.5	21.85618 (17042907)	17.64317 (17042907)	14.41462	
(17042907)	13.62666 (15062407)			
3603597.5	21.03511 (15020117)	12.90897 (15061907)	12.34686	
(15061907)	11.28939 (15061907)			
3603347.5	30.46822 (17020318)	13.91962 (17122117)	10.58727	
(17122709)	8.63567 (17122709)			
3603097.5	38.88466 (15022408)	32.60156 (15022408)	18.55562	
(15022408)	10.28047 (17122709)			
3602847.5	84.49815 (17011308)	42.98152 (16040807)	31.52492	
(15022408)	30.16246 (15022408)			
3602597.5	50.32303 (15010822)	18.51411 (16040807)	34.02777	
(16040807)	36.50009 (16040807)			
3602347.5	66.50871 (17122124)	57.43327 (17010220)	28.64423	
(16111407)	38.65498 (17011308)			
3602097.5	68.44286 (17040307)	40.84467 (17122124)	39.46642	
(16122817)	37.05094 (17022804)			
3601847.5	67.68301 (16010601)	36.13646 (17122518)	31.72736	
(17122124)	30.75490 (15013018)			
3601597.5	37.25369 (16121022)	30.48910 (16010601)	32.21584	
(17122518)	25.28766 (17122124)			
3601347.5	30.94889 (17021408)	25.13304 (16121022)	25.49947	
(17011224)	26.41444 (17122518)			
3601097.5	26.69344 (15020908)	25.52519 (17121417)	21.74548	
(15020618)	23.90411 (17011224)			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP3 ***
 INCLUDING SOURCE(S): CBP3 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	925.24551 (17122608)	
507708.67	3603932.32	194.49015 (17122608)	
506203.59	3603369.23	41.69425 (16011702)	
507919.87	3604794.52	127.39557 (16060506)	
507037.89	3604916.08	86.01141 (17020308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP4 ***
 INCLUDING SOURCE(S): CBP4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)	504618.86
3606097.5	14.32525 (15010408)	15.20164 (16020408)	16.38777	
(15011008)	20.27915 (16012908)	22.63213 (17020308)		
3605847.5	17.91231 (15040607)	18.72497 (15040607)	17.65960	
(15040607)	19.16425 (16020408)	21.87276 (16120805)		
3605597.5	15.21924 (15011608)	17.41945 (15040607)	21.35992	
(15040607)	23.72740 (15040607)	23.18165 (15121608)		
3605347.5	16.63661 (17122703)	17.08453 (17012508)	17.98474	
(16011704)	19.94005 (15011608)	24.11776 (15040607)		
3605097.5	22.02462 (15040307)	21.04890 (15040307)	20.33879	
(16122808)	20.08136 (15011519)	22.52816 (17012508)		
3604847.5	19.37401 (17092707)	20.98367 (15040307)	23.50237	
(15040307)	25.62008 (15040307)	28.22707 (15040307)		
3604597.5	18.90662 (16040507)	19.03052 (16010305)	20.83303	
(15122708)	24.20279 (15122708)	28.34918 (17122422)		

Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	17.89542 (17011708)	19.49990 (16040507)	21.54704
(16040507)	23.95028 (16040507)	27.07495 (16021605)	
3604097.5	17.96498 (15010808)	20.24725 (15010808)	21.74676
(15010808)	23.96757 (15010808)	26.93124 (15010808)	
3603847.5	19.09171 (17021608)	19.98599 (17021608)	21.42619
(17021608)	22.17109 (16012620)	25.56443 (15021102)	
3603597.5	16.12471 (15011603)	17.61574 (15011603)	19.99757
(17122908)	22.43668 (17122908)	24.28547 (17122908)	
3603347.5	16.01885 (17021402)	17.47735 (17021402)	19.34919
(17011719)	21.07779 (15012720)	23.36850 (15022622)	
3603097.5	15.77410 (15022622)	16.65820 (15022622)	18.32358
(15020721)	20.98200 (15020721)	22.53764 (17120906)	
3602847.5	15.14056 (16011702)	16.63156 (17120906)	18.60529
(15011506)	22.65787 (15092907)	26.53648 (15092907)	
3602597.5	18.75695 (15092907)	21.88026 (15092907)	23.63675
(15092907)	22.30981 (15092907)	21.45632 (17010708)	
3602347.5	19.72351 (15092907)	17.42320 (15092907)	19.17365
(17092807)	24.27227 (17092807)	26.25158 (17092807)	
3602097.5	17.98155 (17092807)	21.88224 (17092807)	22.99880
(17092807)	27.24615 (15092707)	32.09167 (15092707)	
3601847.5	20.55566 (17092807)	23.35275 (15092707)	27.65116
(15092707)	27.51785 (15092707)	22.19551 (15092707)	
3601597.5	24.54138 (15092707)	25.58120 (15092707)	22.18168
(15092707)	15.58239 (15092707)	11.90376 (17122105)	
3601347.5	21.92556 (15092707)	17.03950 (15092707)	10.77139
(15092707)	10.38578 (17122105)	11.31783 (15121422)	
3601097.5	12.64252 (15092707)	8.98901 (17122105)	9.46882
(15012201)	10.25421 (15121422)	10.82499 (15021422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP4
 INCLUDING SOURCE(S): CBP4 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		
-	-	-	-
-	-	-	-

3606097.5	25.19344 (17040507)	32.46383 (17040507)	28.06883
(16120302)	29.64222 (17020108)	36.45648 (16120208)	
3605847.5	27.21320 (16012908)	29.42247 (17020308)	34.82594
(17040507)	32.12343 (15013124)	36.47917 (17020108)	
3605597.5	25.28435 (16020408)	29.65699 (16120805)	36.65635
(16012908)	38.87682 (17020907)	38.33891 (17020307)	
3605347.5	27.78533 (15040607)	29.72979 (15121608)	33.63312
(16020408)	41.06371 (16120805)	48.73531 (17020308)	
3605097.5	24.66295 (16011704)	30.73190 (15011608)	34.35033
(15012401)	39.66464 (15121608)	44.94278 (16020408)	
3604847.5	25.89053 (16122808)	28.24649 (15011519)	34.74272
(17012508)	39.92890 (15011608)	47.24588 (16010821)	
3604597.5	27.03856 (17122422)	30.56131 (16122806)	32.80129
(15020702)	39.21582 (16011108)	47.37649 (16122808)	

3604347.5	31.35108 (15020724)	35.76968 (15020724)	38.64825
(16120721)	38.18596 (16010305)	47.08356 (15122708)	
3604097.5	30.71769 (15010808)	37.59223 (15010808)	42.01940
(15010808)	41.67846 (15010808)	46.20920 (15010808)	
3603847.5	29.90739 (15021102)	33.41231 (15021102)	35.70065
(15021102)	41.11146 (15021102)	46.76992 (16012807)	
3603597.5	27.81581 (16121804)	30.44838 (17021402)	33.58291
(17021402)	38.87293 (17011719)	49.51086 (15022622)	
3603347.5	26.00924 (15022622)	28.81529 (15020721)	32.75202
(16011702)	39.63134 (17120906)	47.39139 (17122623)	
3603097.5	24.72822 (15011506)	29.11080 (17122623)	33.77734
(15092907)	38.58709 (17121503)	46.49504 (17010708)	
3602847.5	27.45986 (15092907)	27.79118 (16022405)	32.34224
(17092807)	37.74396 (17092807)	52.87714 (15092707)	
3602597.5	28.00923 (17092807)	31.19242 (17092807)	40.44566
(15092707)	43.71875 (15092707)	31.10405 (15092707)	
3602347.5	33.42031 (15092707)	37.82542 (15092707)	31.52758
(15092707)	21.28139 (17122105)	22.92701 (15121422)	
3602097.5	29.73380 (15092707)	20.76626 (15092707)	17.56302
(17122105)	18.95624 (17012504)	20.46334 (16020405)	
3601847.5	13.68926 (17122302)	14.86247 (15012201)	16.07267
(17012504)	17.37737 (16012302)	18.33138 (16121802)	
3601597.5	12.82093 (15012201)	13.62700 (15021422)	14.72737
(16012302)	15.65090 (16121802)	16.83549 (16121724)	
3601347.5	12.05782 (15021422)	12.78604 (16012302)	13.38802
(16121802)	14.56236 (16121724)	15.41445 (16022007)	
3601097.5	11.46142 (17011920)	11.86154 (17121505)	12.93756
(16121724)	13.59289 (16021923)	14.24999 (17012722)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP4
 INCLUDING SOURCE(S): CBP4 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		
-	-	-	-
-	-	-	-

3606097.5	54.65538 (16120208)	41.91590 (15121708)	58.35570
(17021308)	79.87362 (15021508)	77.19479 (17021320)	
3605847.5	41.30923 (16120208)	63.07239 (16120208)	56.91298
(16010908)	92.70293 (15120107)	82.39386 (15121303)	
3605597.5	45.34333 (17020108)	47.15451 (16120624)	68.60969
(16120208)	110.10373 (17021107)	103.46679 (15021508)	
3605347.5	51.37063 (17020601)	56.72032 (17020108)	60.16964
(16120624)	71.90628 (15123008)	77.88918 (17022201)	
3605097.5	59.34951 (16012908)	68.13985 (17020907)	80.20686
(17020108)	82.91939 (16120624)	107.51772 (15121708)	
3604847.5	55.53144 (15121608)	68.78327 (16020408)	99.91949
(16012908)	121.38274 (17020307)	154.44214 (16120624)	
3604597.5	59.02267 (17012508)	74.11868 (15011608)	91.96962
(15012401)	124.19544 (16020408)	189.03835 (17020907)	

Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	55.50829 (17122422)	66.29665 (16122806)	90.66624
(16011108)	130.82806 (15011519)	186.80690 (15011608)	
3604097.5	55.91173 (15010808)	72.52339 (17121406)	96.70152
(17121406)	120.85451 (17011708)	175.64508 (17011708)	
3603847.5	50.85875 (15011603)	64.27635 (17122908)	79.58036
(17122908)	109.04956 (17021402)	161.90827 (15022622)	
3603597.5	55.42597 (15020721)	66.04706 (16011702)	85.59365
(17122623)	103.38601 (17121503)	141.98998 (17121308)	
3603347.5	56.17014 (16121801)	63.66331 (17010708)	80.83167
(17121308)	97.08980 (16021107)	79.64750 (15121422)	
3603097.5	53.42269 (17121308)	64.39407 (15092707)	47.15166
(17122302)	55.10364 (17021905)	62.99433 (15120324)	
3602847.5	49.00959 (15092707)	36.01756 (17122105)	41.20411
(17021905)	45.48436 (16121802)	48.64443 (17012722)	
3602597.5	28.10585 (15012201)	32.04572 (16121224)	36.00149
(16121802)	37.31436 (16122704)	42.91613 (17121706)	
3602347.5	25.10588 (16121224)	27.58716 (16121802)	29.86011
(16022007)	32.00617 (17011624)	36.73350 (15121007)	
3602097.5	21.68087 (16121802)	23.92248 (16021923)	25.27554
(17012722)	29.71836 (17040807)	38.24326 (17020408)	
3601847.5	19.78540 (17122106)	21.05871 (16122704)	24.37686
(17040807)	25.60252 (15121007)	46.99883 (17020408)	
3601597.5	17.93521 (16122704)	18.99103 (17011624)	23.57754
(17040807)	25.79524 (17020408)	47.16667 (17020408)	
3601347.5	16.26913 (15122919)	22.61891 (17040807)	20.20954
(15041007)	34.77765 (17020408)	41.21754 (17020408)	
3601097.5	17.32341 (17040807)	19.63638 (17040807)	21.82290
(15041007)	39.06231 (17020408)	33.03602 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP4 ***
 INCLUDING SOURCE(S): CBP4 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
-	-	-	-
-	-	-	-

3606097.5	30.03256 (15082706)	55.01765 (17022408)	16.67566
(16112208)	22.91225 (17032607)	36.52886 (17032607)	
3605847.5	78.76151 (17021508)	91.29880 (16121101)	37.91210
(16060301)	39.85041 (16091507)	62.36426 (17032607)	
3605597.5	97.11998 (17021508)	70.97557 (16121101)	71.41396
(15122121)	104.62616 (16010501)	79.54634 (17081424)	
3605347.5	71.90042 (17010208)	77.92405 (16021807)	58.09726
(17022408)	55.01664 (17032607)	100.92548 (15021924)	
3605097.5	116.98893 (17010917)	119.23461 (17070706)	39.21731
(17022408)	72.43877 (17032607)	28.20225 (16111708)	
3604847.5	179.02864 (16122108)	153.61775 (16011719)	54.15206
(17022408)	87.61934 (17032607)	34.43224 (16111708)	
3604597.5	354.55636 (17013108)	209.28168 (15021508)	93.84685
(15092607)	69.50878 (17032607)	35.97392 (16010706)	

3604347.5	306.70822 (16120805)	547.89100 (16121408)	261.32160
(17021508)	174.86909 (16121521)	88.08440 (15022724)	
3604097.5	325.46302 (15020724)	647.02352 (15020702)	3277.28458
(16021622)	1574.17121 (17011103)	279.94484 (17121001)	
3603847.5	270.32595 (17122623)	457.00104 (15011924)	898.69715
(15121007)	1097.87406 (16010421)	273.70786 (16010217)	
3603597.5	147.02643 (17122105)	197.19306 (16022007)	298.03053
(17020506)	215.12246 (15012517)	93.87390 (15021708)	
3603347.5	102.42253 (16121724)	127.78014 (15121007)	171.82726
(16122020)	220.84302 (17123106)	80.10836 (16011918)	
3603097.5	72.38061 (16020501)	105.57601 (17020408)	103.95750
(16012923)	146.10302 (17121306)	130.00735 (16121220)	
3602847.5	60.70903 (15121007)	79.68494 (17020408)	70.62506
(17020220)	81.74796 (17122218)	80.06421 (16022801)	
3602597.5	62.16050 (17020408)	50.86627 (15012823)	55.01898
(17020220)	62.64449 (15021621)	60.45969 (17011319)	
3602347.5	64.37034 (17020408)	41.20170 (16011319)	43.26600
(16121106)	50.97023 (15021621)	49.21115 (16122021)	
3602097.5	53.37072 (17020408)	34.21709 (15022601)	35.87957
(15120902)	41.08153 (16022704)	40.84564 (16012904)	
3601847.5	38.82410 (17020408)	28.94941 (15012120)	31.12807
(15120902)	34.97050 (16022704)	34.08292 (17121306)	
3601597.5	26.01930 (17020408)	25.37562 (16010605)	27.14669
(15120902)	30.18512 (16022704)	30.42536 (17121306)	
3601347.5	21.97268 (17020506)	22.18311 (16122020)	24.31211
(15120902)	26.24443 (17122922)	27.12749 (16112308)	
3601097.5	19.38426 (16011319)	19.86184 (16122020)	22.09993
(15120902)	23.49760 (17122922)	26.14873 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP4 ***
 INCLUDING SOURCE(S): CBP4 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
-	-	-	-
-	-	-	-

3606097.5	7.62807 (16032803)	21.36230 (16111708)	8.29049
(17020109)	6.42303 (17020109)	8.55271 (16092207)	
3605847.5	14.44431 (16083007)	63.40757 (15052306)	10.47733
(17091007)	9.14406 (16092207)	10.35839 (17121809)	
3605597.5	58.71326 (16111605)	55.16914 (15092321)	33.21880
(16100201)	23.03879 (17121809)	9.22741 (17121809)	
3605347.5	77.98765 (15052306)	75.00624 (17022521)	65.20606
(17090805)	16.31890 (17012305)	8.89014 (15082707)	
3605097.5	18.22651 (17091007)	15.83195 (15022302)	18.49639
(17012305)	37.94379 (15122301)	12.21302 (15022818)	
3604847.5	21.42287 (16092207)	13.80677 (17121809)	10.65187
(15082707)	12.72584 (17032608)	21.97346 (17032608)	
3604597.5	16.71085 (17032908)	18.19897 (17032608)	35.06609
(17032608)	45.03851 (16040707)	42.98899 (16040707)	

Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	60.05920 (17032608)	70.04593 (16040707)	35.94888
(16040707)	16.39210 (17082707)	15.96954 (17082707)	
3604097.5	85.98284 (16122517)	52.04823 (16090707)	32.10545
(17030408)	24.19629 (17030408)	19.50971 (17030408)	
3603847.5	135.27975 (15022803)	73.92550 (15012018)	32.92640
(16120817)	32.06906 (15061907)	24.56948 (15061907)	
3603597.5	59.99659 (16040807)	70.51518 (16040807)	41.53574
(15022408)	27.69653 (15122117)	21.77275 (16011417)	
3603347.5	35.50475 (15122717)	58.15624 (16041107)	114.09155
(16040807)	51.83161 (16040807)	80.76729 (15022408)	
3603097.5	49.97071 (17010522)	177.90677 (17021621)	110.25850
(15013018)	118.68565 (15031607)	104.98520 (15121020)	
3602847.5	153.27316 (17120621)	87.45587 (16121022)	80.09089
(17122518)	104.50826 (15013018)	70.60118 (17022804)	
3602597.5	62.11359 (15011107)	72.67933 (15020908)	65.96748
(16121022)	67.25197 (17122518)	63.28324 (17122124)	
3602347.5	46.99570 (15011507)	51.25772 (17120621)	61.36299
(17021408)	49.45180 (16010421)	51.39366 (17122518)	
3602097.5	41.16890 (15022808)	38.40540 (15011107)	49.72659
(17120621)	47.18472 (17021408)	73.54450 (16010421)	
3601847.5	34.05546 (16022321)	33.11721 (16121220)	33.01832
(17120621)	40.90074 (15020908)	39.79869 (16121022)	
3601597.5	29.93195 (16011520)	36.08822 (15022808)	26.90115
(17122024)	34.19499 (17120621)	34.74509 (17021408)	
3601347.5	26.58052 (17031208)	32.02397 (15022808)	23.29020
(16121220)	23.92998 (16121008)	30.26388 (15020908)	
3601097.5	25.31674 (17031208)	23.30197 (15022808)	27.00251
(15022808)	21.09147 (16092807)	25.56205 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP4
 INCLUDING SOURCE(S): CBP4 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS)	510868.86
511118.86				
3606097.5	9.39776 (17121809)	7.61478 (17121809)	6.43156	
(17032908)	6.33528 (15082707)			
3605847.5	8.33845 (17121809)	7.06511 (17032908)	6.72978	
(15082707)	4.81548 (15082707)			
3605597.5	7.76004 (17032908)	6.91273 (15082707)	4.20079	
(15082707)	5.85880 (17122309)			
3605347.5	6.69772 (15082707)	6.00085 (17122309)	9.41716	
(17122309)	11.22241 (17122309)			
3605097.5	10.71206 (17122309)	13.19908 (17122309)	19.24171	
(16040707)	27.21054 (16040707)			
3604847.5	28.85915 (16040707)	35.77712 (16040707)	32.02123	
(16040707)	23.12728 (16040707)			
3604597.5	28.27844 (16040707)	17.65853 (17082707)	11.96727	
(17032307)	10.41297 (17082707)			

3604347.5	14.65532 (16090707)	14.68310 (16090707)	14.09967
(16090707)	13.19318 (16090707)		
3604097.5	16.70421 (17030408)	14.89669 (17030408)	13.59456
(17030408)	12.56203 (17030408)		
3603847.5	20.15338 (17042907)	17.15874 (17042907)	14.57372
(17042907)	12.40649 (17042907)		
3603597.5	17.65105 (16121017)	12.51055 (15020117)	9.67467
(15061907)	9.62391 (15061907)		
3603347.5	30.13014 (15021918)	14.21117 (16012417)	11.13684
(17122709)	9.53165 (17122709)		
3603097.5	41.47839 (16040807)	35.60197 (15022408)	24.34106
(15022408)	12.52475 (15022408)		
3602847.5	85.70541 (17011308)	41.66977 (16040807)	34.78325
(16040807)	30.91242 (15022408)		
3602597.5	51.06096 (15010822)	13.31186 (16040807)	28.99499
(16040807)	36.22327 (16040807)		
3602347.5	51.86730 (17122124)	59.55383 (16122817)	30.91399
(16111407)	40.89429 (17021119)		
3602097.5	66.74841 (17012905)	38.17640 (17122124)	38.02940
(15013018)	35.01876 (16121203)		
3601847.5	63.84613 (16010601)	34.53587 (17122518)	29.42181
(17122124)	29.48304 (15013018)		
3601597.5	35.87610 (16121022)	29.36139 (16010421)	30.90077
(17122518)	23.37256 (17122124)		
3601347.5	30.03287 (17021408)	24.94262 (16121022)	24.57301
(16010601)	25.44790 (17122518)		
3601097.5	25.97707 (15020908)	24.74700 (17021408)	20.91122
(15020618)	22.75891 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CBP4
 INCLUDING SOURCE(S): CBP4 ,
 *** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	941.09285 (17122623)	
507708.67	3603932.32	197.05182 (17122908)	
506203.59	3603369.23	41.74750 (17120906)	
507919.87	3604794.52	149.47366 (16060506)	
507037.89	3604916.08	90.81633 (17020308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CRI ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): CRI ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)
504868.86	505118.86		504618.86

3606097.5	12.97628 (15011008)	15.27898 (16012908)	17.78285
(16012908)	18.67749 (17020308)	22.36086 (17040507)	
3605847.5	13.84603 (15040607)	14.56585 (16020408)	15.59814
(15011008)	19.17741 (16012908)	21.68815 (17020308)	
3605597.5	16.76323 (15040607)	17.25524 (15040607)	16.78959
(15040607)	17.93127 (16020408)	19.68275 (16011506)	
3605347.5	15.38263 (15040607)	17.47373 (15040607)	18.75270
(15040607)	19.32388 (15040607)	20.08723 (15121608)	
3605097.5	15.13989 (17012508)	16.55564 (17012508)	17.30117
(15011608)	18.32951 (15011608)	20.83077 (15040607)	
3604847.5	19.07414 (15040307)	17.64169 (16021108)	17.46465
(16122808)	19.13572 (17012508)	22.05303 (17012508)	
3604597.5	18.12779 (15040307)	20.77209 (15040307)	22.99640
(15040307)	24.61054 (15040307)	24.87213 (15040307)	
3604347.5	15.47931 (17092707)	17.40070 (17092707)	19.42353
(17092707)	21.29613 (17092707)	22.79021 (17092707)	
3604097.5	18.21264 (16040507)	19.97803 (16040507)	21.16226
(16040507)	22.49311 (16040507)	23.81444 (16040507)	
3603847.5	15.54198 (15010808)	16.88495 (15010808)	18.73601
(15010808)	20.18544 (15010808)	22.66648 (17121406)	
3603597.5	19.62095 (17021608)	20.52115 (17021608)	21.95273
(17021608)	23.14233 (17021608)	24.06316 (17021608)	
3603347.5	14.21877 (16012807)	15.58320 (16012807)	17.07819
(16012807)	18.64140 (15011603)	20.78123 (17122908)	
3603097.5	14.41721 (17122908)	15.58600 (16010308)	16.72534
(16010308)	18.62222 (17021402)	20.34354 (17011719)	
3602847.5	14.04184 (15012720)	15.11472 (16021602)	16.71117
(16021602)	17.53927 (16021602)	19.53427 (16012803)	
3602597.5	13.59062 (16012803)	14.75517 (16011702)	16.27369
(17120906)	17.71141 (15011506)	20.77451 (15092907)	
3602347.5	13.54426 (15011506)	17.33138 (15092907)	20.83184
(15092907)	22.79188 (15092907)	22.47250 (15092907)	
3602097.5	19.52929 (15092907)	19.71006 (15092907)	17.87738
(15092907)	18.12065 (17092807)	23.81942 (17092807)	
3601847.5	14.23724 (15092907)	17.11352 (17092807)	21.13434
(17092807)	22.46396 (17092807)	26.74562 (15092707)	
3601597.5	19.27536 (17092807)	20.16702 (17092807)	22.67967
(15092707)	27.10881 (15092707)	26.68993 (15092707)	
3601347.5	19.83953 (15092707)	24.02263 (15092707)	24.90058
(15092707)	21.34293 (15092707)	14.62852 (15092707)	
3601097.5	23.10313 (15092707)	21.23188 (15092707)	16.26681
(15092707)	10.09063 (15092707)	10.07532 (15022607)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: CRI ***

INCLUDING SOURCE(S): CRI ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS)
506118.86	506368.86		505868.86

3606097.5	26.56746 (17040507)	23.22538 (17020108)	24.11760
(17020108)	26.02357 (16120208)	42.37473 (16120208)	
3605847.5	22.68617 (17040507)	29.43390 (17040507)	25.51052
(17040507)	28.82865 (17020108)	29.27355 (16120624)	
3605597.5	24.52284 (16012908)	26.77824 (17020308)	31.44394
(17040507)	31.94711 (17040507)	34.78861 (17020108)	
3605347.5	22.16776 (16020408)	25.30123 (16011506)	31.34961
(16012908)	31.80178 (17010508)	37.88839 (17040507)	
3605097.5	23.08299 (15040607)	25.61728 (15121608)	28.33353
(16020408)	34.10326 (16012908)	41.13110 (17020308)	
3604847.5	22.82410 (15011608)	24.61393 (16010821)	28.64978
(15040607)	33.11263 (15121608)	37.55240 (16020408)	
3604597.5	24.31391 (16122808)	26.10980 (17012508)	30.26105
(17012508)	33.40668 (15011608)	37.17903 (17012703)	
3604347.5	25.47822 (15040307)	30.20525 (15040307)	32.29955
(15040307)	35.61199 (16122808)	40.05868 (16122808)	
3604097.5	24.92272 (16040507)	28.85841 (16011421)	32.25316
(16011421)	34.61226 (15122708)	40.04659 (17122422)	
3603847.5	25.90118 (17121406)	29.01775 (17011708)	32.35004
(17011708)	37.57145 (17011708)	43.68079 (17011708)	
3603597.5	25.69587 (17021608)	26.70780 (17021608)	29.11433
(17121523)	33.27008 (17121523)	39.33971 (17121523)	
3603347.5	23.58876 (17122908)	26.67944 (17122908)	29.94286
(17122908)	34.19393 (16010308)	38.87527 (17021402)	
3603097.5	22.37802 (15012720)	25.31347 (16021602)	28.02132
(16021602)	32.42430 (16012803)	38.05850 (17120906)	
3602847.5	21.66848 (16011702)	24.72797 (17120906)	27.35061
(15011506)	33.43515 (15092907)	36.98105 (17121720)	
3602597.5	25.60452 (15092907)	28.18958 (15092907)	26.61566
(17122824)	31.57111 (17092807)	37.39400 (17092807)	
3602347.5	20.67437 (17010704)	27.37618 (17092807)	30.60372
(17092807)	39.54973 (15092707)	39.75743 (15092707)	
3602097.5	25.81346 (17092807)	31.94052 (15092707)	35.99956
(15092707)	28.51763 (15092707)	19.10096 (17122105)	
3601847.5	31.02837 (15092707)	28.40428 (15092707)	18.91048
(15092707)	16.19151 (15022607)	17.82208 (17012504)	
3601597.5	20.79034 (15092707)	12.90447 (17122302)	13.83028
(15012201)	15.21504 (17021905)	16.20692 (16020405)	
3601347.5	11.24910 (17122105)	12.17772 (15121422)	13.15235
(17021905)	13.85942 (16020405)	14.89742 (15013101)	
3601097.5	10.95814 (15121422)	11.56785 (17021905)	12.29743
(17011920)	13.05676 (15013101)	13.98252 (17010801)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: CRI ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): CRI ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS)
507368.86	507618.86		507118.86

3606097.5	39.07927 (16120208)	32.97200 (16010908)	53.19581
(17021308)	53.82510 (15021508)	59.82011 (17021508)	
3605847.5	47.17968 (16120208)	40.25550 (16120208)	39.50675
(15122808)	67.66902 (15021508)	47.26173 (15021508)	
3605597.5	34.76751 (16120624)	52.40683 (16120208)	45.99928
(15121708)	59.50565 (17021308)	77.89056 (15021508)	
3605347.5	42.58833 (17020108)	42.45179 (16121408)	57.11864
(16120208)	54.96938 (16010908)	60.57297 (15021508)	
3605097.5	42.91186 (15021008)	51.79151 (17020108)	54.91348
(16121408)	72.18553 (16120208)	68.89138 (15122808)	
3604847.5	48.91038 (16012908)	53.88158 (17020308)	62.06509
(17020108)	74.81591 (16121408)	95.95880 (16120208)	
3604597.5	45.83401 (15121608)	53.68468 (16020408)	74.00178
(17020308)	83.04876 (15120308)	108.00787 (16121408)	
3604347.5	47.99426 (17012508)	54.86365 (15011608)	67.04145
(15121608)	85.64958 (16020408)	121.12224 (17020308)	
3604097.5	47.11903 (16020401)	57.40120 (16011108)	74.74666
(16122808)	93.99885 (17012508)	116.85811 (17012703)	
3603847.5	51.41223 (17011708)	61.61824 (17011708)	74.41062
(17011708)	92.97605 (16120722)	127.55063 (16011421)	
3603597.5	45.34229 (15021102)	54.78055 (15021102)	68.18727
(15021102)	88.17980 (17122908)	126.35964 (17122908)	
3603347.5	46.13566 (17011719)	53.98272 (16021602)	65.84545
(16012803)	85.80442 (15011506)	110.83255 (17121720)	
3603097.5	44.55236 (15011506)	51.65964 (16021406)	61.57599
(17122824)	79.90361 (17121308)	87.97991 (16021107)	
3602847.5	43.88983 (17010708)	50.51683 (17121308)	60.36973
(15092707)	44.24018 (17122302)	52.48880 (16121224)	
3602597.5	47.72689 (15092707)	42.72707 (15092707)	33.74315
(15022607)	37.87418 (16020405)	43.46382 (17010801)	
3602347.5	25.84753 (15092707)	26.36437 (15121422)	29.52742
(16020405)	32.83914 (15120324)	36.77059 (17012722)	
3602097.5	21.05662 (15121422)	23.48779 (16020405)	25.67345
(15120324)	28.40715 (16122704)	32.47972 (17022103)	
3601847.5	19.21750 (16020405)	21.04760 (15120324)	22.41695
(17022221)	24.72482 (17011624)	29.03245 (17022603)	
3601597.5	17.46044 (15013101)	18.69039 (16021923)	20.27665
(17012722)	25.97812 (17040807)	26.47877 (17020408)	
3601347.5	16.09545 (17010801)	16.92292 (16011202)	20.98185
(17040807)	21.08788 (17022603)	36.37698 (17020408)	
3601097.5	14.85609 (16122704)	15.76003 (17011624)	21.95018
(17040807)	22.16223 (15041007)	40.74759 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: CRI ***

INCLUDING SOURCE(S): CRI ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS)
508618.86	508868.86		508368.86

3606097.5	60.72723 (17020920)	59.26771 (17020823)	21.76462
(15123009)	13.24593 (16112208)	33.61652 (17032607)	
3605847.5	84.60988 (16012808)	44.01252 (16121101)	63.99936
(16020207)	72.65424 (15100707)	85.83829 (16010501)	
3605597.5	96.99005 (16012808)	42.58540 (16021807)	46.54696
(17022408)	53.72887 (15010907)	90.88279 (16010501)	
3605347.5	51.47071 (17021508)	50.63244 (16021807)	105.22083
(16120106)	86.65863 (15100707)	97.08471 (17032607)	
3605097.5	77.39811 (15021508)	99.68204 (17021508)	42.95826
(15092607)	25.17661 (16112208)	47.17442 (17032607)	
3604847.5	117.61870 (15120107)	111.36154 (17021508)	87.23257
(16031803)	34.00928 (16112208)	35.95186 (17032607)	
3604597.5	141.56905 (15121708)	198.07315 (17022504)	69.35591
(17022408)	49.46887 (16112208)	22.55433 (16083007)	
3604347.5	155.27102 (17020108)	204.16317 (16010908)	230.99260
(15010807)	206.29229 (15110104)	59.54435 (15122318)	
3604097.5	188.63925 (16012908)	304.15921 (17020108)	348.92000
(15120107)	443.71504 (16010501)	493.85207 (16121519)	
3603847.5	190.55023 (16020401)	347.35696 (17012508)	897.89645
(17020308)	1525.53955 (16120120)	680.72390 (17011103)	
3603597.5	184.76812 (16010308)	311.43827 (16021602)	814.34114
(17121308)	2104.94100 (17121808)	276.84179 (15022408)	
3603347.5	165.17336 (17121308)	154.98791 (15121422)	269.53175
(17022103)	393.42914 (15021621)	252.61106 (17121207)	
3603097.5	81.39342 (17021905)	107.96029 (17011608)	150.57336
(16010102)	197.85885 (16022219)	170.50909 (17010406)	
3602847.5	63.85138 (17010801)	84.62143 (16011119)	97.03809
(15012823)	122.06375 (17122205)	113.43148 (15022419)	
3602597.5	50.85974 (17011624)	69.62366 (17020408)	68.44343
(16011319)	85.32392 (17121519)	82.21147 (15011921)	
3602347.5	44.95248 (16011119)	70.84341 (17020408)	52.92506
(16010118)	64.54159 (15121123)	63.10062 (15020321)	
3602097.5	40.77318 (17020408)	53.35852 (17020408)	42.07278
(16122020)	51.27519 (15121123)	50.02430 (17121306)	
3601847.5	51.36957 (17020408)	34.71422 (17020408)	34.41466
(16122020)	42.01892 (15121123)	41.16717 (15021622)	
3601597.5	49.89875 (17020408)	28.25111 (17122619)	28.89358
(16022802)	35.26259 (15121123)	34.18356 (17122218)	
3601347.5	41.62856 (17020408)	24.07327 (16011319)	24.84953
(16012923)	30.14582 (15121123)	30.35650 (16112308)	
3601097.5	31.01700 (17020408)	21.12385 (15022601)	21.67629
(16012923)	26.18348 (15121123)	27.55360 (16112308)	

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*** AERMET - VERSION 18081 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: CRI ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): CRI ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
 **
 Y-COORD | X-COORD (METERS)
 (METERS) | 509118.86 509368.86 509618.86
 509868.86 510118.86

3606097.5	23.68853 (17032607)	24.71951 (15021924)	9.41166
(16111708)	7.28116 (17020109)	6.57291 (17020109)	
3605847.5	17.48208 (17032607)	65.27693 (16120120)	17.27824
(16083007)	7.90165 (17020109)	6.12540 (16092207)	
3605597.5	100.88781 (16121520)	64.32162 (15033023)	72.64733
(17032207)	37.67909 (16100201)	9.44855 (16081907)	
3605347.5	118.43276 (16120120)	91.76117 (15121319)	108.46417
(17021903)	20.18112 (16092207)	11.57953 (16092207)	
3605097.5	22.87366 (16111708)	11.17179 (17020109)	20.97295
(16092207)	86.07987 (15101307)	13.57661 (15082707)	
3604847.5	20.30194 (16111708)	10.32078 (17020109)	14.67331
(17121809)	11.41586 (15110508)	18.46771 (15082707)	
3604597.5	15.17685 (17020109)	17.52830 (17121809)	12.02669
(17032908)	9.34947 (15082707)	11.48179 (17122309)	
3604347.5	43.49906 (17121809)	32.17386 (15021121)	14.98837
(17032608)	27.77033 (17032608)	38.73484 (16040707)	
3604097.5	213.09156 (15041006)	55.73372 (17122309)	62.14900
(16040707)	42.47790 (16040707)	19.78510 (16040707)	
3603847.5	411.17016 (17122021)	157.31834 (17051623)	52.21552
(16090707)	22.27543 (16090707)	18.57953 (16090707)	
3603597.5	88.25656 (15020117)	64.19389 (16012017)	62.33009
(17012817)	39.96156 (17012817)	28.91205 (16052106)	
3603347.5	67.25161 (16040807)	149.07032 (15022408)	237.37624
(17021020)	61.31086 (15091922)	155.97956 (16013021)	
3603097.5	132.73480 (17091102)	160.64601 (16122817)	119.39696
(15121020)	127.61192 (17010923)	103.76658 (17022524)	
3602847.5	162.50753 (15020908)	111.28263 (17011224)	90.58464
(15013018)	83.85985 (17022804)	81.44979 (16040807)	
3602597.5	72.99931 (16121008)	99.37086 (17021408)	77.85389
(17011224)	66.42334 (17122124)	59.56563 (16121203)	
3602347.5	58.39112 (15011507)	73.31021 (17120621)	64.67095
(17021408)	57.94589 (17011224)	50.75353 (17122124)	
3602097.5	47.75366 (15021419)	43.25020 (16121008)	59.96091
(15020908)	49.18216 (16121022)	59.58788 (17021621)	
3601847.5	39.83878 (17011319)	37.70888 (16121220)	45.16603
(17120621)	49.14051 (17021408)	38.31577 (16010421)	
3601597.5	33.59238 (15011921)	37.64153 (15022808)	29.43590
(16121008)	39.41010 (17120621)	38.88835 (17021408)	
3601347.5	29.09241 (17123106)	32.52119 (15022808)	26.24058
(16121220)	30.19184 (17120621)	34.99515 (15020908)	
3601097.5	25.49757 (15020321)	24.77358 (16022321)	27.68428
(15022808)	21.89064 (17122806)	29.67061 (17120621)	

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

PAGE 438
 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CRI ***

INCLUDING SOURCE(S): CRI ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
 **
 Y-COORD | X-COORD (METERS)
 (METERS) | 510368.86 510618.86 510868.86
 511118.86

3606097.5	6.68071 (16092207)	7.82782 (17121809)	8.23700
(17121809)	6.29410 (17121809)		
3605847.5	8.22661 (17121809)	9.01054 (17121809)	6.76610
(17121809)	6.25515 (17032908)		
3605597.5	9.95315 (17121809)	7.31589 (17121809)	6.78344
(17032908)	6.37112 (15082707)		
3605347.5	7.96368 (17121809)	7.54734 (15082707)	6.41196
(15082707)	3.82181 (15082707)		
3605097.5	12.41646 (15110508)	6.07206 (15082707)	5.76441
(17122309)	8.93584 (17122309)		
3604847.5	14.74897 (15022818)	12.26691 (16082307)	12.50309
(17122309)	16.67050 (16040707)		
3604597.5	15.64635 (17032608)	24.81129 (16040707)	33.04242
(16040707)	31.98014 (16040707)		
3604347.5	41.96819 (16040707)	31.26747 (16040707)	18.67235
(16040707)	9.78526 (16040707)		
3604097.5	14.00298 (17082707)	13.70680 (17082707)	12.73046
(17082707)	12.57259 (16090707)		
3603847.5	15.46000 (16090707)	14.31088 (17030408)	13.43712
(17030408)	12.67075 (17030408)		
3603597.5	33.75604 (15062407)	15.90235 (15062407)	14.98862
(15062407)	14.15011 (15062407)		
3603347.5	72.82569 (15060206)	15.49743 (15020117)	12.15839
(15061907)	11.09619 (15061907)		
3603097.5	41.64917 (15111922)	12.83241 (17122709)	11.14163
(17122709)	9.14757 (17122709)		
3602847.5	83.18175 (16040807)	36.10721 (15022408)	22.32911
(15022408)	10.40589 (15022408)		
3602597.5	96.95889 (16120121)	43.86970 (16040807)	34.97104
(16040807)	31.87506 (15022408)		
3602347.5	53.73339 (16121203)	49.24794 (17022804)	68.11559
(17011308)	74.91824 (15121020)		
3602097.5	52.09928 (17122124)	38.21445 (16122817)	35.29927
(17022804)	33.88773 (17121101)		
3601847.5	48.16417 (17021621)	31.86450 (17122124)	31.15816
(15013018)	28.34891 (16121203)		
3601597.5	33.82276 (16010421)	30.92946 (17021621)	26.96827
(16012022)	26.30042 (16013009)		
3601347.5	29.56008 (17021822)	27.89706 (16010421)	26.21842
(17021621)	22.64921 (16012022)		
3601097.5	30.29863 (17021408)	25.83195 (16121022)	23.93482
(16010421)	22.97306 (17021621)		

*** AERMOD - VERSION 18081 ***
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 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CRI ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): CR1 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 *** **

*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: CR2

INCLUDING SOURCE(S): CR2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	CONC	X-COORD (METERS)
504868.86	504118.86	504368.86
	505118.86	504618.86

3606097.5	12.91915 (15011008)	15.20046 (16120805)	17.81748
(16012908)	18.80830 (17020308)	22.15102 (17040507)	
3605847.5	14.04006 (15040607)	14.57564 (16020408)	15.54997
(15011008)	19.05017 (16012908)	21.68544 (17020308)	
3605597.5	16.77879 (15040607)	17.37977 (15040607)	17.03456
(15040607)	17.96955 (16020408)	19.65790 (15011008)	
3605347.5	15.19476 (15040607)	17.34681 (15040607)	18.72683
(15040607)	19.43510 (15040607)	20.17333 (15121608)	
3605097.5	15.09639 (17012508)	16.61978 (17012508)	17.24034
(15011608)	18.42643 (15011608)	20.73155 (15040607)	
3604847.5	19.37085 (15040307)	17.99599 (16021108)	17.61949
(16122808)	19.02532 (17012508)	22.14257 (17012508)	
3604597.5	17.82737 (15040307)	20.56393 (15040307)	22.94524
(15040307)	24.78838 (15040307)	25.33672 (15040307)	
3604347.5	15.63736 (16040507)	17.17509 (17092707)	19.27740
(17092707)	21.27566 (17092707)	22.95040 (17092707)	
3604097.5	18.04326 (16040507)	19.85308 (16040507)	21.10068
(16040507)	22.52021 (16040507)	23.96304 (16040507)	
3603847.5	15.65608 (15010808)	17.03134 (15010808)	18.93745
(15010808)	20.42758 (15010808)	22.77682 (15010808)	
3603597.5	19.53477 (17021608)	20.40617 (17021608)	21.80251
(17021608)	22.94620 (17021608)	23.80887 (17021608)	
3603347.5	14.26822 (16012807)	15.60485 (16012807)	17.06022
(16012807)	18.71915 (15011603)	20.95596 (17122908)	

3603097.5	14.38832 (16010308)	15.56152 (16010308)	16.70720
(17021402)	18.64165 (17011719)	20.34487 (17011719)	
3602847.5	14.05182 (15012720)	15.16704 (16021602)	16.68476
(16021602)	17.49602 (16012803)	19.53665 (16012803)	
3602597.5	13.59339 (16012803)	14.77919 (16011702)	16.31712
(17120906)	17.75717 (15011506)	21.21689 (15092907)	
3602347.5	13.75809 (15092907)	17.65489 (15092907)	21.03256
(15092907)	22.77400 (15092907)	22.18727 (15092907)	
3602097.5	19.56326 (15092907)	19.56588 (15092907)	17.56388
(15092907)	18.53061 (17092807)	24.04918 (17092807)	
3601847.5	13.94275 (15092907)	17.42721 (17092807)	21.28976
(17092807)	22.35256 (17092807)	27.09520 (15092707)	
3601597.5	19.38755 (17092807)	20.07493 (17092807)	22.99339
(15092707)	27.18733 (15092707)	26.44098 (15092707)	
3601347.5	20.12523 (15092707)	24.14761 (15092707)	24.77734
(15092707)	20.99909 (15092707)	14.21627 (15092707)	
3601097.5	23.06352 (15092707)	20.99594 (15092707)	15.92086
(15092707)	9.76795 (15092707)	10.07522 (15022607)	

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 *** **

*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: CR2

INCLUDING SOURCE(S): CR2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	CONC	X-COORD (METERS)
506118.86	505368.86	505618.86
	506368.86	505868.86

3606097.5	26.77174 (17040507)	23.10868 (17020108)	24.40555
(17020108)	25.50671 (16120208)	42.28966 (16120208)	
3605847.5	22.30082 (17040507)	29.47159 (17040507)	26.07874
(17040507)	29.10284 (17020108)	29.36077 (16120624)	
3605597.5	24.47520 (16012908)	26.96506 (17020308)	31.22333
(17040507)	32.48169 (17040507)	35.01183 (17020108)	
3605347.5	22.23278 (16020408)	25.15494 (16011506)	31.49337
(16012908)	32.34663 (17020308)	38.21269 (17040507)	
3605097.5	23.17441 (15040607)	25.71189 (15121608)	28.44978
(16020408)	33.71063 (16012908)	41.31583 (17020308)	
3604847.5	22.74906 (15011608)	24.75226 (15011608)	28.68504
(15040607)	33.15237 (15121608)	37.75556 (16020408)	
3604597.5	24.43281 (16122808)	25.87293 (17012508)	30.32891
(17012508)	33.40199 (15011608)	37.22370 (17012703)	
3604347.5	25.10130 (16020401)	29.96517 (15040307)	32.47498
(15040307)	35.49751 (16122808)	40.52009 (16122808)	
3604097.5	25.23226 (16040507)	28.81822 (16011421)	32.40420
(16011421)	34.62648 (15122708)	40.04440 (17122422)	
3603847.5	25.84134 (17121406)	28.75998 (17011708)	32.07665
(17011708)	37.34214 (17011708)	43.52640 (17011708)	
3603597.5	25.36570 (17021608)	26.28244 (17021608)	29.03058
(17121523)	33.09675 (17121523)	39.05876 (17121523)	
3603347.5	23.70412 (17122908)	26.69432 (17122908)	29.79674
(17122908)	34.11756 (16010308)	39.03247 (17011719)	

Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 22.41614 (15012720) 25.39640 (16021602) 27.84098
(16021602) 32.46097 (16012803) 38.28962 (17120906)
3602847.5 | 21.65853 (16011702) 24.68691 (17120906) 27.40604
(17122623) 33.71120 (15092907) 36.91891 (17121720)
3602597.5 | 25.84235 (15092907) 28.05257 (15092907) 26.54786
(17122824) 32.14077 (17092807) 37.15511 (17092807)
3602347.5 | 20.84610 (17010708) 27.73252 (17092807) 30.42819
(17092807) 39.91960 (15092707) 39.23154 (15092707)
3602097.5 | 25.67607 (17092807) 32.31320 (15092707) 35.81649
(15092707) 27.81476 (15092707) 19.07992 (17122105)
3601847.5 | 31.01806 (15092707) 27.96666 (15092707) 18.29939
(15092707) 16.17775 (15022607) 17.79811 (17012504)
3601597.5 | 20.31564 (15092707) 12.86982 (17122302) 13.83175
(15012201) 15.23499 (17021905) 16.13681 (16020405)
3601347.5 | 11.22912 (17122105) 12.19934 (15121422) 13.14294
(17021905) 13.85311 (17011920) 14.88845 (15013101)
3601097.5 | 10.95222 (15121422) 11.54442 (16121224) 12.29786
(17011920) 13.06546 (15013101) 13.98391 (17010801)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR2 ***
INCLUDING SOURCE(S): CR2 ,

```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) |
507368.86 | 506618.86 506868.86 507118.86
- - - - -

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3606097.5 | 39.76849 (16120208) 33.17089 (16010908) 53.30758
(17021308) 54.68083 (15021508) 59.95998 (17021508)
3605847.5 | 47.16200 (16120208) 41.18111 (16120208) 39.65014
(15122808) 68.12503 (15021508) 48.55693 (15021508)
3605597.5 | 34.92951 (16121408) 52.50179 (16120208) 46.27783
(15121708) 58.93789 (17021308) 79.56613 (15021508)
3605347.5 | 42.70617 (17020108) 42.88681 (16121408) 57.39173
(16120208) 55.03335 (16010908) 60.45028 (15021508)
3605097.5 | 43.21164 (15021008) 51.61406 (17020108) 55.50792
(16121408) 72.97867 (16120208) 69.74812 (16010908)
3604847.5 | 48.65522 (16012908) 54.99384 (17020308) 61.95376
(15121803) 75.63673 (16121408) 98.08008 (16120208)
3604597.5 | 45.73723 (15121608) 54.12632 (16020408) 74.29494
(16012908) 83.92885 (15120308) 108.99291 (16121408)
3604347.5 | 48.08247 (17012508) 55.25319 (15011608) 66.30619
(15121608) 86.81622 (16020408) 124.30222 (17020308)
3604097.5 | 47.25523 (16020401) 57.18958 (17013020) 74.82055
(16122808) 93.95897 (17012508) 117.26093 (17012703)
3603847.5 | 51.42038 (17011708) 62.01723 (17011708) 75.58876
(17011708) 93.60370 (16120722) 127.93116 (16011421)
3603597.5 | 45.76311 (15021102) 54.94886 (15021102) 68.26166
(16012807) 89.79718 (17122908) 126.57260 (17122908)
3603347.5 | 46.25427 (15012720) 53.97084 (16021602) 65.85979
(16012803) 86.09733 (15011506) 110.72956 (17121720)

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3603097.5 | 44.43874 (15011506) 51.41799 (16121801) 62.17683
(17010708) 78.88492 (17121308) 85.00599 (16021107)
3602847.5 | 44.04814 (17010708) 50.11458 (17121308) 60.03074
(15092707) 43.96279 (17122302) 52.20162 (16121224)
3602597.5 | 47.92983 (15092707) 41.57147 (15092707) 33.64730
(15022607) 37.82923 (16020405) 43.41952 (17010801)
3602347.5 | 24.83188 (15092707) 26.40788 (15121422) 29.46123
(16020405) 32.64997 (15120324) 36.60476 (17012722)
3602097.5 | 21.02301 (17012504) 23.40872 (16020405) 25.62115
(15120324) 28.28470 (16122704) 32.54267 (17022103)
3601847.5 | 19.13933 (16020405) 21.06864 (15120324) 22.36131
(17022221) 24.63487 (17011624) 28.92888 (17022603)
3601597.5 | 17.42527 (15013101) 18.65488 (16021923) 20.19293
(17012722) 25.91074 (17040807) 26.92081 (17020408)
3601347.5 | 16.05180 (17010801) 16.94921 (17012722) 21.24404
(17040807) 21.03386 (17022603) 36.67384 (17020408)
3601097.5 | 14.83134 (16122704) 15.74834 (17011624) 21.81522
(17040807) 22.20352 (15041007) 40.83911 (17020408)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR2 ***
INCLUDING SOURCE(S): CR2 ,

```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) |
508618.86 | 507868.86 508118.86 508368.86
- - - - -

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3606097.5 | 59.66554 (17020920) 59.26196 (17020823) 21.81777
(15123009) 13.28404 (16112208) 33.82903 (17032607)
3605847.5 | 86.74420 (16012808) 44.22394 (16121101) 63.07230
(16120106) 71.86277 (15100707) 85.83254 (16010501)
3605597.5 | 97.10485 (16012808) 43.29366 (16021807) 46.97162
(16120106) 54.33663 (15010907) 92.56865 (16010501)
3605347.5 | 50.94713 (17021508) 51.13428 (16021807) 104.16679
(16120106) 84.53137 (15100707) 97.33646 (17032607)
3605097.5 | 78.68400 (15021508) 124.08084 (16012808) 43.43554
(15092607) 25.40819 (16112208) 46.95086 (17032607)
3604847.5 | 119.18565 (17022201) 110.95979 (17021508) 84.40356
(16031803) 34.39832 (16112208) 35.41147 (17032607)
3604597.5 | 142.87156 (15121708) 202.49700 (17022504) 68.58234
(17022408) 50.18315 (16112208) 23.21334 (16083007)
3604347.5 | 160.21034 (17020108) 207.28727 (16010908) 235.06886
(15010807) 201.36349 (15110104) 57.77400 (15122318)
3604097.5 | 182.97287 (16012908) 308.08359 (17020108) 369.31759
(15120107) 459.36732 (16010501) 509.95198 (16121519)
3603847.5 | 190.75622 (16020401) 350.28572 (16122808) 939.49959
(17020308) 1640.41017 (16120120) 703.43252 (17011103)
3603597.5 | 181.54424 (16010308) 311.32392 (16011702) 765.36799
(16021107) 1913.23350 (17121808) 299.61770 (15022408)
3603347.5 | 161.62033 (17121308) 154.01348 (15121422) 264.91124
(17022103) 382.01926 (15021621) 241.30283 (17081204)

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Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 80.85927 (17021905) 106.51944 (17011608) 147.95347
(16010102) 194.79178 (16022219) 169.00881 (17010406)
3602847.5 | 63.12989 (17010801) 83.74468 (16011119) 95.71374
(15012823) 120.41105 (17122205) 112.36233 (15021419)
3602597.5 | 50.38592 (17011624) 70.37308 (17020408) 67.72862
(16011319) 84.44003 (17121519) 81.32985 (15011921)
3602347.5 | 44.56558 (16011119) 70.56969 (17020408) 52.47577
(16010118) 64.00577 (15121123) 62.59064 (15020321)
3602097.5 | 41.39823 (17020408) 52.77747 (17020408) 41.80002
(16122020) 50.90898 (15121123) 49.69562 (17121306)
3601847.5 | 51.58679 (17020408) 34.21722 (17020408) 34.19734
(16022802) 41.75640 (15121123) 40.90640 (15021622)
3601597.5 | 49.76794 (17020408) 28.12760 (17122619) 28.73513
(16022802) 35.06814 (15121123) 34.04373 (17122218)
3601347.5 | 41.34409 (17020408) 23.97239 (16011319) 24.74249
(16012923) 29.99743 (15121123) 30.32271 (16112308)
3601097.5 | 30.71966 (17020408) 21.04991 (15022601) 21.59481
(16012923) 26.06950 (15121123) 27.50847 (16112308)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR2 ***
INCLUDING SOURCE(S): CR2 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) |
509868.86 | 509118.86 509368.86 509618.86
510118.86
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3606097.5 | 23.50416 (17032607) 23.72631 (15021924) 9.48789
(16111708) 7.32127 (17020109) 6.54214 (17020109)
3605847.5 | 17.25031 (17032607) 65.12950 (16120120) 17.27425
(16083007) 7.89766 (17020109) 6.27835 (16092207)
3605597.5 | 101.52634 (16121520) 63.67607 (15033023) 71.97465
(17032207) 37.06698 (16100201) 9.55263 (16081907)
3605347.5 | 120.34745 (16120120) 93.17565 (15121319) 110.38310
(17021903) 20.34122 (16092207) 11.18826 (16092207)
3605097.5 | 23.37021 (16111708) 11.21901 (17020109) 21.39310
(16092207) 86.51752 (15101307) 13.94192 (15082707)
3604847.5 | 20.43159 (16111708) 10.55442 (16092207) 14.75032
(17121809) 11.76740 (15110508) 18.30759 (15082707)
3604597.5 | 15.18384 (17020109) 17.70444 (17121809) 12.08705
(17032908) 9.12363 (15082707) 11.93379 (17122309)
3604347.5 | 44.38950 (17121809) 33.02166 (15022724) 16.61945
(17032608) 28.39765 (17032608) 40.20656 (16040707)
3604097.5 | 203.50860 (15121624) 59.82361 (16091707) 62.66078
(16040707) 40.24575 (16040707) 18.05849 (16040707)
3603847.5 | 403.42310 (17122021) 152.60146 (15090204) 52.59336
(16090707) 21.99324 (16090707) 18.13615 (16090707)
3603597.5 | 82.64819 (15020117) 66.53397 (16012017) 60.55031
(17012817) 41.94679 (17012817) 29.61833 (16052106)
3603347.5 | 68.14421 (15030308) 146.40232 (15022408) 237.71731
(17021020) 59.38353 (15091922) 153.80889 (16013021)

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3603097.5 | 128.39923 (17082824) 161.56167 (16122817) 115.23957
(15121020) 128.90879 (17010923) 102.75827 (17022524)
3602847.5 | 161.34644 (15020908) 109.85509 (17011224) 89.41936
(15013018) 85.43039 (17022804) 80.48842 (16040807)
3602597.5 | 72.18658 (17010406) 98.94312 (17021408) 77.48878
(17011224) 66.44562 (17122124) 60.37897 (16121203)
3602347.5 | 58.11234 (15011507) 72.42145 (17120621) 65.36575
(17021408) 57.91252 (17011224) 50.39298 (17122124)
3602097.5 | 47.52482 (15021419) 42.65978 (16121008) 59.59610
(15020908) 49.25279 (16121022) 59.79570 (17011224)
3601847.5 | 39.63893 (17011319) 37.53024 (16121220) 44.49730
(17120621) 48.84638 (17021408) 37.79216 (16010421)
3601597.5 | 33.42989 (16122021) 37.70399 (15022808) 29.20305
(17122806) 39.34414 (17120621) 38.98845 (17021408)
3601347.5 | 28.96145 (17123106) 32.27381 (15022808) 26.20344
(16121220) 29.72087 (17120621) 34.90445 (15020908)
3601097.5 | 25.38693 (15020321) 24.67862 (16022321) 27.89380
(15022808) 21.77815 (17122806) 29.50863 (17120621)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR2 ***
INCLUDING SOURCE(S): CR2 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) |
511118.86 | 510368.86 510618.86 510868.86
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3606097.5 | 6.78978 (16092207) 7.90320 (17121809) 8.22567
(17121809) 6.22163 (17121809)
3605847.5 | 8.32605 (17121809) 9.00289 (17121809) 6.68033
(17121809) 6.26410 (17032908)
3605597.5 | 9.95203 (17121809) 7.21221 (17121809) 6.77899
(17032908) 6.32870 (15082707)
3605347.5 | 7.83492 (17121809) 7.59061 (15082707) 6.32765
(15082707) 3.71089 (15082707)
3605097.5 | 12.49270 (15110508) 5.93645 (15082707) 6.00016
(17122309) 9.14930 (17122309)
3604847.5 | 14.90609 (15022818) 12.41509 (16082307) 12.63210
(17122309) 17.51746 (16040707)
3604597.5 | 15.96156 (17032608) 25.99081 (16040707) 33.55769
(16040707) 31.69975 (16040707)
3604347.5 | 41.74855 (16040707) 30.16554 (16040707) 17.61530
(16040707) 9.08230 (16040707)
3604097.5 | 14.26526 (17082707) 13.79136 (17082707) 12.69459
(17082707) 12.78771 (16090707)
3603847.5 | 15.81595 (17030408) 14.57070 (17030408) 13.61637
(17030408) 12.79414 (17030408)
3603597.5 | 32.69340 (15062407) 15.50684 (15062407) 14.68850
(15062407) 13.91907 (15062407)
3603347.5 | 69.68868 (15051124) 16.01184 (15020117) 11.83406
(15061907) 10.93092 (15061907)

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Otay Hills Quarry AERMOD Output File (HRA)

3603097.5	41.06365 (15111922)	12.84078 (17122709)	11.26073
(17122709)	9.31492 (17122709)		
3602847.5	85.27274 (16040807)	36.63158 (15022408)	23.39883
(15022408)	11.17740 (15022408)		
3602597.5	97.29710 (16120121)	43.46592 (16040807)	35.84053
(16040807)	31.98507 (15022408)		
3602347.5	53.73444 (16121203)	62.08709 (17022804)	66.97849
(17011308)	74.76607 (15121020)		
3602097.5	51.42777 (17122124)	38.09148 (16122817)	35.30207
(17022804)	33.84234 (17121101)		
3601847.5	48.08826 (17021621)	31.43138 (17122124)	31.08067
(15013018)	28.51408 (16121203)		
3601597.5	33.61220 (16010421)	30.85799 (17021621)	27.02482
(16012022)	26.38129 (16013009)		
3601347.5	29.69698 (17021408)	27.77697 (16010421)	26.17646
(17021621)	22.76067 (16121120)		
3601097.5	30.11343 (17021408)	25.77104 (16121022)	23.91276
(16010421)	22.97342 (17021621)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CR2
 INCLUDING SOURCE(S): CR2 ,

POINTS *** *** DISCRETE CARTESIAN RECEPTOR

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

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

508226.78	3603955.63	453.45930 (17020308)	
507708.67	3603932.32	150.18738 (16122808)	
	506203.59	3603369.23 35.99222 (16010308)	
507919.87	3604794.52	127.83540 (15120107)	
	507037.89	3604916.08 57.46645 (15121803)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CR3
 INCLUDING SOURCE(S): CR3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

(METERS)	504118.86	504368.86	504618.86
504868.86	505118.86		

3606097.5	13.11038 (16020408)	15.02891 (16120805)	17.98041
(16012908)	19.45437 (17020308)	21.44067 (17040507)	
3605847.5	15.15958 (15040607)	14.91172 (15010408)	15.56411
(16020408)	18.66770 (16120805)	22.34288 (16012908)	
3605597.5	16.94732 (15040607)	18.15442 (15040607)	18.54157
(15040607)	18.85204 (15010408)	20.06750 (15011008)	
3605347.5	15.15868 (15011608)	16.85558 (15040607)	18.69989
(15040607)	20.11960 (15040607)	21.99706 (15040607)	
3605097.5	15.27964 (17010407)	17.23075 (17012508)	18.34157
(17012508)	18.85953 (15011608)	20.33680 (15040607)	
3604847.5	21.16201 (15040307)	20.39854 (15040307)	18.58668
(16122808)	19.16941 (16122808)	23.01745 (17012508)	
3604597.5	18.43735 (17092707)	19.38252 (15040307)	22.60604
(15040307)	25.79596 (15040307)	28.17339 (15040307)	
3604347.5	17.94787 (16040507)	17.53745 (16040507)	18.57869
(16011421)	21.04494 (17092707)	23.78641 (17092707)	
3604097.5	16.96172 (16040507)	19.02266 (16040507)	20.58441
(16040507)	22.48492 (16040507)	24.62521 (16040507)	
3603847.5	16.36976 (15010808)	17.98791 (15010808)	20.40126
(15010808)	22.10443 (15010808)	25.12293 (15010808)	
3603597.5	18.72774 (17021608)	19.36971 (17021608)	20.51639
(17021608)	21.31158 (17021608)	21.71429 (17021608)	
3603347.5	14.56454 (16012807)	16.08675 (15011603)	17.93131
(17122908)	19.92043 (17122908)	22.11267 (17122908)	
3603097.5	14.54893 (16010308)	15.73628 (17021402)	17.14632
(17011719)	19.45947 (17011719)	20.95067 (15012720)	
3602847.5	14.33523 (16021602)	15.49543 (16021602)	16.64791
(16012803)	18.37594 (16012803)	20.18398 (16011702)	
3602597.5	13.97452 (16011702)	15.20348 (17120906)	16.70200
(15011506)	19.61332 (15092907)	24.35813 (15092907)	
3602347.5	16.49102 (15092907)	20.00149 (15092907)	22.30163
(15092907)	22.33377 (15092907)	19.88139 (15092907)	
3602097.5	19.65053 (15092907)	18.35344 (15092907)	15.90960
(17092807)	21.68190 (17092807)	25.52022 (17092807)	
3601847.5	15.32778 (17092807)	19.82602 (17092807)	22.27265
(17092807)	23.17051 (15092707)	29.76882 (15092707)	
3601597.5	20.11383 (17092807)	19.97594 (15092707)	25.46045
(15092707)	27.62076 (15092707)	24.32196 (15092707)	
3601347.5	22.44020 (15092707)	25.04828 (15092707)	23.68428
(15092707)	18.30084 (15092707)	11.18558 (15092707)	
3601097.5	22.68457 (15092707)	19.12042 (15092707)	13.31650
(15092707)	9.84720 (17122105)	10.41641 (15012201)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CR3
 INCLUDING SOURCE(S): CR3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		
3606097.5	28.11176 (17040507)	23.56364 (17040507)	25.84728
(17020108)	25.88465 (16121408)	42.76944 (16120208)	
3605847.5	23.28488 (17020308)	30.14383 (17040507)	29.14111
(17040507)	30.39687 (17020108)	30.52262 (16121408)	
3605597.5	24.67166 (16012908)	28.37036 (17020308)	30.89563
(17040507)	35.60011 (17040507)	36.15622 (17020108)	
3605347.5	23.45454 (15010408)	25.58215 (15011008)	32.94167
(16012908)	35.85549 (17020308)	40.46714 (17040507)	
3605097.5	23.83230 (15040607)	26.82526 (15040607)	30.27295
(15010408)	33.86465 (16011506)	43.22471 (16012908)	
3604847.5	23.63542 (17012508)	25.91488 (15011608)	29.26012
(15040607)	33.77527 (15121608)	40.33531 (15010408)	
3604597.5	25.07910 (16122808)	27.79249 (16122808)	30.37506
(17012508)	34.72979 (17012508)	39.53447 (15011608)	
3604347.5	26.62840 (17122422)	30.26444 (16020401)	33.11801
(15040307)	35.32132 (16011108)	42.70287 (16122808)	
3604097.5	26.86073 (16040507)	31.19087 (16120722)	33.92424
(16120722)	35.85514 (16011421)	40.62128 (16011421)	
3603847.5	28.75335 (15010808)	31.48910 (15010808)	33.58462
(15010808)	38.29581 (15010808)	43.16977 (15010808)	
3603597.5	24.01942 (15011703)	26.64435 (15021102)	29.90566
(15021102)	34.62192 (15021102)	42.16721 (16012807)	
3603347.5	24.39229 (17122908)	26.98007 (16010308)	29.96893
(16010308)	35.43207 (17011719)	41.65972 (15012720)	
3603097.5	22.99549 (16021602)	25.83729 (16021602)	28.87740
(16012803)	34.41662 (17120906)	40.78533 (15011506)	
3602847.5	22.41163 (17120906)	25.56554 (15011506)	30.84247
(15092907)	34.78626 (15092907)	39.11406 (17010708)	
3602597.5	27.16306 (15092907)	26.53012 (15092907)	28.21700
(17010708)	35.86814 (17092807)	45.14060 (15092707)	
3602347.5	24.47740 (17092807)	30.05879 (17092807)	34.83641
(15092707)	42.28019 (15092707)	34.47055 (15092707)	
3602097.5	27.87858 (15092707)	34.99243 (15092707)	33.94981
(15092707)	22.34180 (15092707)	19.62271 (15022607)	
3601847.5	30.63135 (15092707)	24.40563 (15092707)	15.49620
(17122302)	16.78834 (15121422)	18.23450 (17021905)	
3601597.5	16.69090 (15092707)	13.05668 (17122105)	14.40723
(15121422)	15.63914 (16121224)	16.69170 (17121505)	
3601347.5	11.49569 (15022607)	12.47054 (17012504)	13.47300
(16121224)	14.35219 (17121505)	15.32381 (15120324)	
3601097.5	11.25466 (17012504)	11.87661 (16121224)	12.76620
(17121505)	13.46930 (15120324)	14.10495 (17010801)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR3
INCLUDING SOURCE(S): CR3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		
3606097.5	43.02387 (16120208)	34.49021 (16010908)	57.92818
(17021308)	61.61971 (15021508)	64.35409 (17021508)	
3605847.5	48.01857 (16120208)	45.49907 (16120208)	42.59669
(15122808)	77.79118 (15021508)	68.43637 (15121303)	
3605597.5	36.62225 (16121408)	53.85421 (16120208)	48.26475
(15121708)	63.96172 (17021308)	85.38494 (15021508)	
3605347.5	44.31138 (17020108)	44.89651 (16121408)	59.27755
(16120208)	58.27744 (15121708)	63.09940 (15021508)	
3605097.5	45.92634 (15021008)	52.81810 (17020108)	60.41325
(16121408)	78.33136 (16120208)	75.63655 (16010908)	
3604847.5	48.37159 (16012908)	62.18904 (17020308)	68.55885
(16011607)	85.14802 (16121408)	114.31203 (16120208)	
3604597.5	46.70638 (15012401)	58.86147 (15010408)	79.28704
(16012908)	96.71008 (15021008)	134.00014 (17020108)	
3604347.5	47.84562 (17012508)	58.02056 (17012508)	69.20299
(17012703)	97.13591 (15010408)	143.79179 (17020308)	
3604097.5	48.48538 (17020524)	59.92103 (16020401)	76.24558
(16011108)	99.00716 (16122808)	130.56921 (17012508)	
3603847.5	49.60267 (17011708)	61.72784 (17011708)	78.48760
(17011708)	103.97779 (17011708)	143.41605 (17011708)	
3603597.5	48.80127 (16012807)	59.13946 (17122908)	76.04972
(17122908)	93.52248 (16010308)	124.95319 (17011719)	
3603347.5	49.43846 (16021602)	55.49897 (16012803)	70.76108
(17120906)	92.49007 (16021406)	115.09265 (17010708)	
3603097.5	47.57109 (16021406)	54.96866 (17122824)	67.20658
(17121308)	77.43135 (16021107)	63.80981 (17122302)	
3602847.5	48.10896 (17121308)	56.15220 (15092707)	54.37549
(15092707)	44.82435 (15121422)	51.86485 (17121505)	
3602597.5	48.06671 (15092707)	32.11300 (15092707)	35.65250
(15121422)	38.22645 (17121505)	42.62210 (17022221)	
3602347.5	24.18046 (16011206)	27.31554 (17012504)	30.11812
(17121505)	33.06883 (17010801)	36.17814 (17011624)	
3602097.5	21.58150 (17021905)	23.97059 (17121505)	25.69214
(17010801)	28.30376 (17012722)	33.43788 (17022103)	
3601847.5	19.66274 (17121505)	21.32363 (15120324)	22.82390
(16122704)	25.57684 (17040807)	28.69672 (15121007)	
3601597.5	17.90733 (15120324)	18.99118 (16122704)	20.29352
(17011624)	24.39100 (17040807)	33.43383 (17020408)	
3601347.5	16.09006 (16021923)	17.39151 (17012722)	23.72875
(17040807)	22.25058 (15041007)	41.10248 (17020408)	
3601097.5	14.83351 (16011202)	17.70268 (17040807)	19.94207
(17040807)	23.74731 (17020408)	42.39185 (17020408)	

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR3
INCLUDING SOURCE(S): CR3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
3606097.5	48.23817 (17021508)	48.79581 (17020823)	20.71298
(16112208)	12.45060 (16112208)	37.41846 (17032607)	
3605847.5	91.74743 (16012808)	66.83518 (16120908)	50.23151
(16051624)	47.36564 (15100707)	85.26553 (17032607)	
3605597.5	86.68350 (17021508)	48.02186 (16121101)	51.60429
(16120106)	60.70327 (15010907)	99.83058 (17020819)	
3605347.5	55.10854 (17021508)	56.21480 (16021807)	72.65027
(16051624)	49.16988 (15111919)	128.32912 (17120924)	
3605097.5	86.88245 (15021508)	160.93570 (16012808)	39.88760
(17022408)	24.33644 (17032607)	37.43461 (17032607)	
3604847.5	178.05682 (15120107)	169.50958 (17021320)	87.88122
(17022408)	38.28834 (17032607)	22.32337 (17032607)	
3604597.5	170.54942 (16120708)	176.39104 (16021103)	69.63966
(15092607)	70.68400 (17032607)	27.99983 (16111708)	
3604347.5	192.60748 (17020108)	253.30811 (15121708)	368.03399
(16012808)	200.15490 (17032607)	52.73034 (15122317)	
3604097.5	201.68178 (15010408)	322.92481 (15120308)	478.31315
(15120107)	588.62591 (15122908)	540.91617 (17011520)	
3603847.5	207.43096 (16120722)	368.16260 (17020524)	1038.65783
(15121608)	2486.36800 (17020508)	548.04900 (17122021)	
3603597.5	188.62848 (16012803)	321.32666 (17122824)	492.68563
(16020405)	756.92664 (15020108)	189.26134 (16020517)	
3603347.5	150.73437 (16021107)	147.51100 (17121505)	243.98205
(16021904)	335.48033 (15021622)	135.30691 (17010817)	
3603097.5	79.81556 (17121505)	101.48190 (17011624)	135.38965
(16010204)	189.93115 (15021621)	168.84168 (17010406)	
3602847.5	62.31433 (16122704)	80.72545 (15021805)	89.52657
(17122619)	110.79501 (16022219)	103.22336 (15021419)	
3602597.5	53.07907 (17022103)	80.23923 (17020408)	65.93272
(16010118)	79.89479 (17122205)	76.37380 (15011921)	
3602347.5	43.77374 (15021805)	66.77567 (17020408)	50.58206
(16122020)	61.22229 (17122205)	59.09018 (15020321)	
3602097.5	50.39303 (17020408)	44.87168 (17020408)	40.21923
(16022802)	48.50023 (17121519)	47.70340 (16121418)	
3601847.5	54.82318 (17020408)	31.99078 (17122619)	33.17246
(16022802)	39.97784 (17121519)	39.27005 (15021622)	
3601597.5	48.16666 (17020408)	27.39919 (17122619)	28.05918
(16012923)	33.68461 (17121519)	33.16761 (15021622)	
3601347.5	37.52842 (17020408)	23.61248 (15022601)	24.28476
(17010402)	28.96096 (15121123)	30.41908 (16112308)	
3601097.5	26.60020 (17020408)	21.09544 (16010118)	21.51765
(17010402)	25.38138 (15121123)	27.93993 (16112308)	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

```
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR3 ***
INCLUDING SOURCE(S): CR3 ,
```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
3606097.5	18.80022 (17032607)	13.88759 (15121322)	10.06456
(16111708)	7.58874 (17020109)	6.05020 (17020109)	
3605847.5	12.51009 (15021124)	70.03926 (15033023)	16.56333
(16083007)	7.61312 (17020109)	7.63767 (16092207)	
3605597.5	79.54164 (16121520)	66.81151 (15080402)	48.61646
(15092321)	23.10554 (16100201)	10.15589 (16081907)	
3605347.5	105.93370 (15033023)	100.87281 (16120518)	94.73985
(17021903)	20.39272 (16092207)	10.79507 (17121809)	
3605097.5	24.31667 (16083007)	11.16437 (17020109)	23.78355
(16092207)	60.35397 (15101307)	16.62967 (15082707)	
3604847.5	19.01221 (16111708)	14.40967 (16092207)	14.51718
(17121809)	10.24211 (17032908)	15.87594 (15082707)	
3604597.5	15.60598 (16092207)	17.77358 (17121809)	12.39976
(15082707)	8.90116 (17122309)	16.30247 (17032608)	
3604347.5	41.45467 (17011903)	31.24103 (15022724)	30.09156
(17032608)	36.50525 (16040707)	46.24349 (16040707)	
3604097.5	104.20085 (17110207)	71.95602 (16040707)	52.30568
(16040707)	22.75999 (16040707)	16.01663 (17082707)	
3603847.5	213.12151 (16101021)	87.88654 (17103122)	45.81596
(16090707)	24.85072 (17030408)	19.89780 (17030408)	
3603597.5	61.97726 (16012417)	54.19150 (15020117)	44.95932
(16012017)	30.97691 (15021718)	27.32085 (16052106)	
3603347.5	91.55510 (16013009)	86.61049 (16040807)	190.54663
(17022805)	39.55890 (17020318)	104.98248 (16012801)	
3603097.5	75.40660 (16040518)	167.95193 (15013018)	118.59207
(17121101)	166.23969 (15121020)	134.13416 (15022202)	
3602847.5	167.28642 (15020908)	102.88158 (16010601)	86.01841
(17122124)	92.44205 (17022804)	76.88098 (16040807)	
3602597.5	70.08536 (17010406)	93.55412 (17021408)	74.00466
(16010601)	66.98583 (17122124)	65.57132 (16121203)	
3602347.5	55.28600 (15011507)	68.43264 (17120621)	65.25477
(17021408)	56.14361 (17011224)	49.13366 (17122124)	
3602097.5	45.27497 (15021419)	41.52481 (17122024)	57.53033
(15020908)	48.55938 (16121022)	78.17196 (17011224)	
3601847.5	38.30230 (17011319)	36.65836 (16121220)	42.59282
(17120621)	46.97949 (17021408)	38.87309 (16121022)	
3601597.5	32.71706 (15011921)	37.85887 (15022808)	28.60514
(17122024)	38.35518 (17120621)	38.46214 (17021408)	
3601347.5	28.55991 (17031208)	33.02427 (15022808)	25.49526
(16121220)	28.58989 (17120621)	34.27276 (15020908)	
3601097.5	25.46562 (17031208)	24.36228 (16022321)	27.80702
(15022808)	21.91086 (16092807)	28.88249 (17120621)	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

```
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR3 ***
INCLUDING SOURCE(S): CR3 ,
```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	510368.86	510618.86	510868.86
511118.86			
3606097.5	7.62121 (16092207)	8.44456 (17121809)	7.92057
(17121809)	5.58756 (17032908)		
3605847.5	9.07594 (17121809)	8.67878 (17121809)	6.21336
(17032908)	6.28690 (15082707)		
3605597.5	9.61219 (17121809)	6.96047 (17032908)	6.98564
(15082707)	5.77335 (15082707)		
3605347.5	7.85993 (17032908)	7.62632 (15082707)	5.43076
(15082707)	4.53850 (17122309)		
3605097.5	8.65920 (15022724)	5.30798 (15051907)	7.90545
(17122309)	10.58053 (17122309)		
3604847.5	11.80122 (16082307)	12.37222 (17122309)	14.19652
(16040707)	23.75151 (16040707)		
3604597.5	21.82530 (16040707)	33.54415 (16040707)	34.69500
(16040707)	27.67357 (16040707)		
3604347.5	35.82313 (16040707)	21.11944 (16040707)	10.68784
(16040707)	10.06881 (17082707)		
3604097.5	15.13336 (17082707)	14.39160 (16090707)	14.20558
(16090707)	13.54307 (16090707)		
3603847.5	17.08928 (17030408)	15.31922 (17030408)	14.02627
(17030408)	12.97638 (17030408)		
3603597.5	26.42536 (16052106)	14.24719 (15061907)	13.19825
(17042907)	12.63981 (17042907)		
3603347.5	45.93966 (15101507)	15.54507 (15020117)	9.41837
(15061907)	9.40401 (15061907)		
3603097.5	26.68707 (15012417)	13.10595 (15080207)	11.60443
(17122709)	10.03707 (17122709)		
3602847.5	110.03649 (16121122)	37.32343 (15022408)	28.27309
(15022408)	15.47905 (15022408)		
3602597.5	82.30851 (15031607)	40.01185 (16040807)	38.83523
(16040807)	31.29056 (15022408)		
3602347.5	56.70738 (16122817)	78.24926 (15031607)	42.61320
(17060106)	71.34037 (16040807)		
3602097.5	89.02930 (17040307)	38.76599 (15013018)	36.23481
(16121203)	34.31961 (17121101)		
3601847.5	47.80391 (17011224)	31.64208 (16012022)	30.70134
(15013018)	29.35786 (16121203)		
3601597.5	33.71252 (16010421)	30.61542 (17011224)	28.18061
(16121120)	26.74107 (16013009)		
3601347.5	29.89222 (17021408)	26.88073 (16010421)	25.73181
(17021621)	23.59000 (16121120)		
3601097.5	29.12011 (17021408)	25.45086 (16121022)	23.42302
(16010421)	23.04953 (17021621)		

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 *** AERMET - VERSION 18081 *** ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CR3 ***
 INCLUDING SOURCE(S): CR3 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD
508226.78	3603955.63	545.70128 (16012908)	
507708.67	3603932.32	153.23566 (16020401)	
506203.59	3603369.23	37.18556 (17011719)	
507919.87	3604794.52	192.34015 (15120107)	
507037.89	3604916.08	63.30262 (16011607)	
*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19			
*** AERMET - VERSION 18081 *** *** 16:35:25			
PAGE 454			
*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*			
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION			
VALUES FOR SOURCE GROUP: CR4 ***			
INCLUDING SOURCE(S): CR4 ,			
*** NETWORK ID: UCART1 ; NETWORK TYPE:			
GRIDCART ***			
** CONC OF TAC IN MICROGRAMS/M**3			
Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)
504868.86	505118.86		504618.86

3606097.5	13.49377 (15010408)	14.10035 (15011008)	16.74770
(16120805)	19.81083 (16012908)	20.68680 (17020308)	
3605847.5	16.93050 (15040607)	16.23150 (15040607)	16.17102
(15010408)	17.84111 (15011008)	22.11872 (16012908)	
3605597.5	16.03003 (15040607)	18.49810 (15040607)	20.63084
(15040607)	20.63866 (15040607)	21.37943 (15010408)	
3605347.5	15.87285 (17012508)	15.78796 (15011608)	16.96313
(15040607)	19.83891 (15040607)	24.16050 (15040607)	
3605097.5	16.75826 (16021108)	17.13130 (15011519)	18.97319
(17012508)	19.47694 (17012508)	20.75522 (15011608)	
3604847.5	21.80051 (15040307)	23.19655 (15040307)	22.77933
(15040307)	21.27489 (15040307)	23.82391 (16122808)	
3604597.5	18.71453 (17092707)	20.02793 (17092707)	21.00864
(17092707)	22.81646 (15040307)	28.15952 (15040307)	
3604347.5	20.24098 (16040507)	20.87919 (16040507)	21.59508
(16040507)	22.18040 (16040507)	24.51861 (16011421)	
3604097.5	16.28761 (17011708)	18.47660 (17011708)	20.07416
(17011708)	22.27499 (17011708)	25.08011 (17011708)	
3603847.5	20.25090 (17021608)	21.63191 (17021608)	23.71606
(17021608)	24.89938 (17021608)	27.19039 (17021608)	
3603597.5	15.02800 (15021102)	16.41544 (15021102)	18.58389
(15021102)	20.51817 (15021102)	22.18849 (16012807)	
3603347.5	15.39249 (17122908)	16.92703 (17122908)	18.54227
(17122908)	20.02856 (16010308)	21.81385 (16010308)	
3603097.5	14.78134 (17011719)	15.90656 (17011719)	17.42655
(15012720)	19.98905 (16021602)	20.98891 (16021602)	
3602847.5	14.02868 (16021602)	15.51708 (16012803)	17.35142
(16011702)	18.83764 (17120906)	20.55542 (15011506)	
3602597.5	14.28821 (17120906)	15.43878 (15011506)	19.82182
(15092907)	23.83698 (15092907)	25.84948 (15092907)	
3602347.5	19.71462 (15092907)	21.56920 (15092907)	21.35497
(15092907)	18.63826 (15092907)	22.46639 (17092807)	

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 17.56505 (15092907) 14.99045 (17092807) 20.51055
(17092807) 24.19005 (17092807) 24.98722 (15092707)
3601847.5 | 18.87760 (17092807) 21.60177 (17092807) 21.11767
(17092807) 27.41654 (15092707) 30.44984 (15092707)
3601597.5 | 19.14169 (17092807) 23.81961 (15092707) 26.86873
(15092707) 25.43161 (15092707) 19.22208 (15092707)
3601347.5 | 24.25098 (15092707) 24.14086 (15092707) 20.11259
(15092707) 13.52443 (15092707) 10.87728 (17122105)
3601097.5 | 20.32728 (15092707) 15.24175 (15092707) 9.36389
(15092707) 9.82374 (15022607) 10.60198 (15121422)

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Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR4
*** INCLUDING SOURCE(S): CR4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

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**
Y-COORD | X-COORD (METERS)
(METERS) | 505368.86 505618.86 505868.86
506118.86 506368.86
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3606097.5 | 27.79330 (17040507) 29.28750 (17040507) 27.47636
(17020108) 26.85639 (16121408) 38.78879 (16120208)
3605847.5 | 25.31283 (17020308) 27.03678 (17040507) 33.84937
(17040507) 30.68112 (17020108) 31.09661 (17020202)
3605597.5 | 23.42949 (15011008) 29.35229 (16012908) 32.68242
(17020308) 37.72386 (17040507) 34.37884 (17020108)
3605347.5 | 24.56042 (15121608) 27.06362 (15010408) 31.15720
(16011506) 38.98699 (16012908) 40.23966 (17010508)
3605097.5 | 22.52137 (15040607) 28.85354 (15040607) 31.85124
(15121608) 35.73404 (16020408) 42.39110 (16012908)
3604847.5 | 23.68634 (17012508) 26.91421 (17012508) 31.47991
(15011608) 34.74246 (17012703) 42.15136 (15121608)
3604597.5 | 28.21290 (15040307) 29.55094 (15040307) 31.47337
(16122808) 34.38690 (17012508) 42.82054 (17012508)
3604347.5 | 27.86050 (16011421) 31.82455 (15122708) 34.54096
(17020524) 34.85759 (16020401) 41.51843 (15020702)
3604097.5 | 28.53350 (17011708) 34.68370 (17011708) 38.19945
(17011708) 37.59660 (17011708) 41.28608 (16120722)
3603847.5 | 30.62470 (17122608) 33.66742 (17122608) 35.68977
(17122608) 41.07312 (17122608) 46.35020 (17122608)
3603597.5 | 25.46136 (16012807) 27.70615 (16012807) 31.14200
(17122908) 37.01406 (17122908) 46.44031 (17122908)
3603347.5 | 23.99707 (17021402) 27.16546 (17011719) 30.76633
(15012720) 36.62602 (16021602) 42.36268 (16012803)
3603097.5 | 22.89067 (16012803) 26.75702 (16011702) 29.89356
(17120906) 35.40128 (17122623) 41.88879 (16021406)
3602847.5 | 23.58225 (15092907) 29.94973 (15092907) 31.66250
(15092907) 34.09532 (17010704) 42.00881 (17121308)
3602597.5 | 24.55117 (15092907) 25.84556 (17010708) 32.81397
(17092807) 39.03421 (15092707) 50.17585 (15092707)
3602347.5 | 28.32847 (17092807) 30.95929 (15092707) 40.06329
(15092707) 38.36930 (15092707) 23.50809 (15092707)

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3602097.5 | 32.63512 (15092707) 34.12812 (15092707) 26.84153
(15092707) 18.25117 (17122105) 20.03862 (15121422)
3601847.5 | 26.49244 (15092707) 17.48189 (15092707) 15.40756
(15022607) 16.98698 (17012504) 18.24722 (16020405)
3601597.5 | 12.40218 (17122302) 13.16644 (15012201) 14.40543
(17012504) 15.67237 (16020405) 16.24704 (15013101)
3601347.5 | 11.67661 (15121422) 12.52811 (17021905) 13.46687
(16020405) 13.97353 (17121505) 15.03205 (16121724)
3601097.5 | 11.28339 (17021905) 11.88306 (16020405) 12.50018
(17121505) 13.30747 (15120324) 14.00564 (16022007)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR4
*** INCLUDING SOURCE(S): CR4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

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**
Y-COORD | X-COORD (METERS)
(METERS) | 506618.86 506868.86 507118.86
507368.86 507618.86
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3606097.5 | 50.24058 (16120208) 36.88070 (15121708) 55.17214
(17021308) 74.54730 (15021508) 69.03835 (17010724)
3605847.5 | 43.90680 (16120208) 56.34125 (16120208) 48.63137
(16010908) 78.45907 (15120107) 73.04968 (15121303)
3605597.5 | 38.07563 (17020108) 49.78546 (16120208) 59.37116
(16120208) 87.23838 (17011603) 96.70608 (15021508)
3605347.5 | 43.87564 (16011607) 48.93393 (17020108) 55.58847
(16120208) 62.78222 (15121708) 63.01311 (17022201)
3605097.5 | 52.97253 (17020308) 57.33911 (15120308) 71.01530
(17020108) 77.24228 (16120208) 87.36976 (15121708)
3604847.5 | 49.75532 (16020408) 66.68409 (16012908) 77.68085
(15021008) 105.11312 (17020108) 126.47965 (16120208)
3604597.5 | 51.49218 (15011608) 60.45811 (15121608) 78.63929
(16020408) 116.84806 (17020308) 149.07737 (17020108)
3604347.5 | 50.20588 (16011108) 60.46386 (16122808) 78.06713
(17012508) 103.22334 (17012703) 145.42792 (16020408)
3604097.5 | 49.29661 (16120722) 62.56727 (16011421) 80.40179
(15122708) 98.13664 (16020401) 140.26138 (16011108)
3603847.5 | 52.11233 (17122608) 63.47340 (17122608) 78.41731
(17122608) 103.80089 (17122608) 145.95797 (17122608)
3603597.5 | 52.20697 (16010308) 59.65669 (16010308) 75.95293
(15012720) 90.98383 (16021602) 126.20792 (17120906)
3603347.5 | 51.04726 (16011702) 57.69660 (15011506) 72.39748
(16121801) 98.99727 (17010708) 109.08139 (16021107)
3603097.5 | 49.16273 (17122824) 57.73426 (17121308) 65.56470
(16122619) 64.72566 (16021107) 62.44401 (17012504)
3602847.5 | 51.33864 (15092707) 57.14906 (15092707) 40.11294
(17122302) 45.02643 (17021905) 49.48301 (15120324)
3602597.5 | 38.15823 (15092707) 30.84383 (15022607) 35.46593
(16121224) 37.04021 (15013101) 41.11718 (16122704)
3602347.5 | 24.39675 (15121422) 27.21948 (16121224) 29.52692
(15013101) 31.92468 (16122704) 34.45151 (17010503)

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Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	21.41115 (16020405)	23.47265 (15013101)	24.95858
(16021923)	27.49551 (16120304)	31.90603 (16011119)	
3601847.5	19.19179 (15013101)	21.31735 (17010801)	22.31821
(17012722)	27.93440 (17040807)	28.15020 (15041007)	
3601597.5	17.74787 (17010801)	18.90318 (16122704)	20.57793
(17040807)	22.68231 (16011119)	38.15183 (17020408)	
3601347.5	16.17812 (16122704)	17.15233 (16120304)	23.89014
(17040807)	23.46190 (15041007)	43.13026 (17020408)	
3601097.5	14.98080 (17012722)	20.61232 (17040807)	17.86633
(17022603)	27.70586 (17020408)	41.98878 (17020408)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: CR4
 INCLUDING SOURCE(S): CR4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	36.14194 (17070706)	42.35903 (17022408)	20.79505
(17022408)	12.91065 (16112208)	39.72876 (17032607)	
3605847.5	81.33169 (17021508)	101.63915 (16120908)	50.45516
(17022408)	33.11435 (15111919)	89.02832 (17032607)	
3605597.5	84.13481 (17021508)	56.37338 (16021807)	59.31922
(16120106)	66.75920 (15010907)	93.08430 (17032607)	
3605347.5	61.07210 (15021508)	64.97902 (15022206)	72.75421
(17022408)	36.49372 (16091507)	120.78979 (17120924)	
3605097.5	101.38849 (15021508)	133.40613 (16012808)	42.00439
(17022408)	28.90451 (17032607)	31.89679 (17032607)	
3604847.5	182.22803 (17021401)	167.25336 (17010208)	87.93548
(17022408)	48.00473 (17032607)	15.75467 (15022208)	
3604597.5	191.91348 (15120408)	172.56606 (15021508)	68.49102
(15013009)	97.06210 (17032607)	42.09610 (16111708)	
3604347.5	221.49442 (15021008)	325.12841 (15120408)	239.30678
(17102907)	242.15127 (17032607)	68.27055 (15022723)	
3604097.5	240.07080 (17012508)	385.12346 (16020408)	874.40834
(15121708)	1180.50644 (16120120)	348.34775 (15051906)	
3603847.5	227.90158 (17122608)	368.39211 (17122608)	1097.88800
(17122908)	4469.90430 (17022805)	331.53342 (17012817)	
3603597.5	197.08294 (17122824)	272.74821 (16021107)	356.23235
(16120304)	340.51424 (17062006)	205.02878 (16013009)	
3603347.5	100.62595 (15022607)	128.44647 (17010801)	206.22761
(16010102)	292.27605 (17122218)	93.33750 (16022919)	
3603097.5	74.78880 (15120324)	97.79940 (17022103)	119.49658
(15012823)	175.85244 (16022219)	160.58195 (16121220)	
3602847.5	58.19985 (16120304)	77.58204 (17020408)	78.64008
(15022601)	96.23145 (16022219)	93.33011 (16022321)	
3602597.5	50.81816 (16011119)	79.81164 (17020408)	60.45461
(17122005)	71.37941 (17122205)	68.53382 (16122021)	
3602347.5	42.58476 (17020408)	59.32768 (17020408)	47.02281
(16122020)	55.94601 (17122205)	54.41191 (15020321)	

3602097.5	55.15193 (17020408)	37.80018 (17020408)	37.60399
(16022802)	44.88515 (17121519)	44.16455 (17121306)	
3601847.5	54.26022 (17020408)	30.50581 (17122619)	31.42636
(16012923)	37.29071 (17121519)	36.82552 (15021622)	
3601597.5	44.79244 (17020408)	26.10992 (16011319)	26.61538
(16012923)	31.69899 (17121519)	32.12252 (16112308)	
3601347.5	33.61207 (17020408)	22.71893 (16010118)	23.38261
(17010402)	27.52394 (15121123)	30.19715 (16112308)	
3601097.5	23.24559 (17020408)	20.49470 (16010118)	20.88067
(17010402)	24.31750 (15121123)	27.53134 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: CR4
 INCLUDING SOURCE(S): CR4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	16.24412 (17032607)	12.22983 (15121322)	10.30048
(16111708)	7.78237 (17020109)	5.42725 (17020109)	
3605847.5	12.10084 (16010705)	64.48389 (15122821)	15.46928
(16083007)	7.34083 (15022224)	8.80402 (16092207)	
3605597.5	67.32900 (15021924)	61.69927 (15052306)	33.23616
(160101307)	18.50213 (16092207)	10.76711 (17121809)	
3605347.5	89.01374 (15033023)	82.73384 (17032207)	80.18437
(17022521)	17.54344 (16092207)	9.67823 (17121809)	
3605097.5	26.72116 (16083007)	12.65900 (15022224)	22.43747
(16092207)	49.28171 (17090523)	13.58596 (15110508)	
3604847.5	15.80784 (16111708)	16.55310 (16092207)	12.60044
(17121809)	11.77797 (15022724)	15.65802 (15022818)	
3604597.5	25.97183 (16092207)	14.92732 (17121809)	10.61830
(15082707)	18.80562 (17032608)	23.54448 (16040707)	
3604347.5	36.92350 (15082707)	28.76935 (15022818)	42.22619
(16040707)	52.70188 (16040707)	36.13030 (16040707)	
3604097.5	184.97713 (16040707)	54.86776 (16040707)	25.49328
(17032307)	20.04342 (17091207)	18.97803 (16090707)	
3603847.5	142.05276 (15012017)	81.44480 (15012017)	30.94693
(17030408)	24.32246 (15062407)	21.43217 (15062407)	
3603597.5	107.58087 (16040807)	46.10921 (16021802)	39.51481
(17122709)	28.57560 (16121017)	21.10291 (15020117)	
3603347.5	81.86694 (16013009)	52.61803 (16041107)	134.95736
(16040807)	45.77836 (15022408)	77.17109 (15012119)	
3603097.5	50.48358 (17010522)	208.92944 (17040307)	121.93738
(16121203)	144.98345 (17011308)	135.24807 (16121122)	
3602847.5	168.17954 (17120621)	94.74610 (16121022)	81.98859
(17122518)	91.46259 (16122817)	71.32388 (17121101)	
3602597.5	68.21721 (16121220)	83.18889 (15020908)	68.67497
(16010421)	67.79231 (17122518)	66.60011 (15013018)	
3602347.5	52.00222 (17010624)	55.07426 (17120621)	67.58576
(17021408)	52.91035 (16010421)	51.17716 (17122518)	

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 42.58867 (15021419) 40.62154 (17010406) 52.82068
(17120621) 50.04654 (17021408) 83.17157 (15011201)
3601847.5 | 36.43577 (17011319) 36.77680 (15022808) 34.87087
(16121008) 44.04973 (15020908) 40.50806 (16121022)
3601597.5 | 31.28001 (16122021) 37.87573 (15022808) 28.14111
(17010406) 36.01151 (17120621) 37.65806 (17021408)
3601347.5 | 28.15932 (17031208) 29.81259 (15022808) 24.78828
(16121220) 25.19507 (16121008) 31.97112 (15020908)
3601097.5 | 24.25257 (17031208) 23.64872 (17011319) 29.88831
(15022808) 21.52982 (16092807) 26.37740 (17120621)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR4

INCLUDING SOURCE(S): CR4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 510368.86 510618.86 510868.86
511118.86
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3606097.5 | 8.07380 (16092207) 8.88722 (17121809) 7.26016
(17121809) 6.06754 (17032908)
3605847.5 | 9.73799 (17121809) 7.91025 (17121809) 6.66181
(17032908) 6.50864 (15082707)
3605597.5 | 8.69873 (17121809) 7.32631 (17032908) 6.85297
(15082707) 4.65570 (15082707)
3605347.5 | 8.11926 (15082707) 6.92833 (15082707) 3.97157
(17122309) 7.03074 (17122309)
3605097.5 | 6.87034 (16042804) 7.48217 (17122309) 10.87528
(17122309) 11.98645 (17122309)
3604847.5 | 15.45412 (17032608) 14.78647 (16040707) 25.91853
(16040707) 31.32232 (16040707)
3604597.5 | 37.58699 (16040707) 37.42649 (16040707) 27.83518
(16040707) 17.22839 (16040707)
3604347.5 | 18.45465 (16040707) 11.76339 (17082707) 12.02454
(17082707) 11.64238 (17082707)
3604097.5 | 17.53481 (16090707) 15.73071 (16090707) 13.91293
(16090707) 12.22819 (16090707)
3603847.5 | 19.21995 (15062407) 17.46496 (15062407) 16.03393
(15062407) 14.84148 (15062407)
3603597.5 | 19.78298 (15061907) 16.18365 (15061907) 13.49555
(15061907) 11.12874 (15061907)
3603347.5 | 34.71583 (15091922) 13.30063 (17082908) 9.18299
(17122709) 7.03549 (17122709)
3603097.5 | 40.21032 (15022408) 24.81966 (15022408) 11.22434
(17122709) 10.81799 (17122709)
3602847.5 | 92.30531 (17011308) 40.83512 (16040807) 34.31886
(15022408) 26.24613 (15022408)
3602597.5 | 62.86722 (16010101) 26.45668 (16040807) 39.17382
(16040807) 34.43333 (16040807)
3602347.5 | 53.90057 (15013018) 69.04763 (17010220) 34.99021
(16071324) 54.55909 (16040807)

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3602097.5 | 87.20946 (17040307) 38.75097 (17122124) 38.63188
(16122817) 36.29375 (17022804)
3601847.5 | 68.79768 (16010601) 34.02423 (17122518) 30.79226
(17122124) 29.77304 (16122817)
3601597.5 | 35.25648 (16121022) 30.20632 (16010601) 30.29298
(17122518) 25.16537 (17122124)
3601347.5 | 31.74879 (17021408) 24.76383 (16121022) 25.47195
(17011224) 24.90563 (17122518)
3601097.5 | 27.68211 (15020908) 25.56975 (17021408) 21.56960
(16010421) 23.31258 (17011224)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR4

INCLUDING SOURCE(S): CR4 ,

*** DISCRETE CARTESIAN RECEPTOR
POINTS ***

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

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X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD
(M) Y-COORD (M) CONC (YYMMDDHH)
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508226.78 3603955.63 591.99618 (16122808)
507708.67 3603932.32 174.52617 (17011708)
506203.59 3603369.23 38.57008 (16021602)
507919.87 3604794.52 164.08252 (15011206)
507037.89 3604916.08 72.04999 (15021008)

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR5

INCLUDING SOURCE(S): CR5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) | 504118.86 504368.86 504618.86
504868.86 505118.86
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3606097.5 | 13.47475 (16020408) 14.30600 (15011008) 17.20980
(16012908) 19.59066 (16012908) 20.06383 (17020308)
3605847.5 | 16.61072 (15040607) 15.60864 (15040607) 16.15840
(16020408) 18.04561 (15011008) 22.58326 (16012908)

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Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	16.42134 (15040607)	18.60783 (15040607)	20.33018
(15040607)	19.86422 (15040607)	21.33631 (16020408)	
3605347.5	15.66673 (17012508)	15.92279 (15011608)	17.59992
(15040607)	20.15226 (15040607)	23.95671 (15040607)	
3605097.5	16.27891 (16122808)	17.10132 (17010407)	19.18524
(17012508)	19.16289 (17012508)	20.78526 (15011608)	
3604847.5	22.12487 (15040307)	22.97395 (15040307)	21.92445
(15040307)	20.64169 (16122808)	23.20376 (16122808)	
3604597.5	19.05851 (17092707)	20.03072 (17092707)	20.57130
(17092707)	24.24251 (15040307)	29.09631 (15040307)	
3604347.5	20.06552 (16040507)	20.43467 (16040507)	20.82100
(16040507)	21.41769 (16011421)	24.47379 (16011421)	
3604097.5	16.65140 (17011708)	18.82354 (17011708)	20.35381
(17011708)	22.46169 (17011708)	25.12629 (17011708)	
3603847.5	19.59894 (17021608)	20.92866 (17021608)	22.94055
(17021608)	24.07457 (17021608)	26.72351 (17122608)	
3603597.5	15.71703 (17021608)	16.26164 (15021102)	18.52665
(15021102)	20.60428 (15021102)	22.33296 (15021102)	
3603347.5	15.28227 (17122908)	16.95451 (17122908)	18.76609
(17122908)	20.21948 (17122908)	22.12535 (16010308)	
3603097.5	14.72902 (17011719)	16.07002 (17011719)	17.45722
(15012720)	19.92349 (15012720)	21.33934 (16021602)	
3602847.5	14.34875 (16021602)	15.41749 (16012803)	17.35825
(16012803)	18.84198 (16011702)	20.70116 (17120906)	
3602597.5	14.29525 (17120906)	15.41306 (15011506)	18.67902
(15092907)	23.16934 (15092907)	26.05835 (15092907)	
3602347.5	19.15656 (15092907)	21.54469 (15092907)	22.01728
(15092907)	19.93072 (15092907)	21.15802 (17092807)	
3602097.5	18.38654 (15092907)	15.74197 (15092907)	19.56679
(17092807)	23.97697 (17092807)	25.00527 (17092807)	
3601847.5	18.17736 (17092807)	21.48490 (17092807)	21.78448
(17092807)	26.68577 (15092707)	30.81296 (15092707)	
3601597.5	19.68705 (17092807)	23.09106 (15092707)	26.89469
(15092707)	26.38544 (15092707)	20.75383 (15092707)	
3601347.5	24.08941 (15092707)	24.70946 (15092707)	21.27796
(15092707)	14.83350 (15092707)	10.97451 (17122105)	
3601097.5	21.18319 (15092707)	16.37403 (15092707)	10.39159
(15092707)	9.86178 (15022607)	10.63799 (15121422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CR5 ***

INCLUDING SOURCE(S): CR5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		

3606097.5	28.40360 (17040507)	28.22529 (17040507)	27.42468
(17020108)	26.92755 (16121408)	40.31329 (16120208)	
3605847.5	25.23304 (17020308)	28.41368 (17040507)	33.29452
(17040507)	31.00456 (17020108)	31.36047 (16121408)	

3605597.5	23.77342 (16011506)	29.54468 (16012908)	31.79208
(17020308)	38.16330 (17040507)	35.38758 (17020108)	
3605347.5	24.47498 (15121608)	27.04140 (16020408)	31.91922
(16011506)	38.98839 (17020308)	40.55037 (15021008)	
3605097.5	23.21525 (15040607)	28.88857 (15040607)	31.95541
(15121608)	35.65264 (16020408)	44.16709 (16012908)	
3604847.5	24.06410 (17012508)	26.39813 (17012508)	31.20712
(15011608)	34.55263 (17012703)	42.76548 (15121608)	
3604597.5	28.15276 (15040307)	28.74717 (16122808)	31.04961
(16122808)	35.36026 (17012508)	41.87108 (17012508)	
3604347.5	28.00585 (15122708)	31.87524 (17122422)	34.40933
(16020401)	34.63144 (15020702)	41.82205 (16011108)	
3604097.5	28.35987 (17011708)	34.13669 (17011708)	37.12237
(17011708)	36.89088 (16120722)	40.91995 (16120722)	
3603847.5	30.87055 (17122608)	33.96479 (17122608)	36.02130
(17122608)	41.50620 (17122608)	46.88459 (17122608)	
3603597.5	25.34532 (15021102)	27.86900 (16012807)	30.77899
(16012807)	36.25775 (17122908)	46.42900 (17122908)	
3603347.5	24.16665 (17021402)	27.18373 (17011719)	30.71152
(15012720)	36.67485 (16021602)	42.79417 (16021602)	
3603097.5	22.65323 (16012803)	26.67226 (16012803)	29.91488
(17120906)	35.97575 (15011506)	42.48080 (16021406)	
3602847.5	22.66799 (15011506)	29.15172 (15092907)	32.45122
(15092907)	34.60895 (17122824)	41.60202 (17010708)	
3602597.5	25.84019 (15092907)	25.49449 (17010708)	32.12712
(17092807)	36.61178 (15092707)	50.49832 (15092707)	
3602347.5	27.94511 (17092807)	29.55902 (17092807)	39.64205
(15092707)	40.42002 (15092707)	26.64233 (15092707)	
3602097.5	31.96681 (15092707)	35.08563 (15092707)	29.17526
(15092707)	18.51921 (17122302)	20.18486 (15121422)	
3601847.5	28.01173 (15092707)	19.41839 (15092707)	15.49013
(15022607)	17.10120 (15121422)	18.34294 (16121224)	
3601597.5	12.58022 (15092707)	13.17547 (15012201)	14.54194
(17012504)	15.78010 (16020405)	16.55251 (17121505)	
3601347.5	11.69168 (15012201)	12.59987 (17012504)	13.58997
(16020405)	14.26967 (17121505)	15.16545 (16121724)	
3601097.5	11.34829 (17021905)	12.01223 (16020405)	12.73740
(17121505)	13.52547 (15120324)	14.06702 (16022007)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CR5 ***

INCLUDING SOURCE(S): CR5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	48.99922 (16120208)	35.77613 (15121708)	57.92905
(17021308)	73.16349 (15021508)	67.92536 (17010724)	
3605847.5	45.62554 (16120208)	54.30302 (16120208)	48.03920
(16010908)	78.83801 (15021508)	74.29832 (15121303)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	36.96388 (16121408)	51.69802 (16120208)	56.25455
(16120208)	87.65133 (17011603)	94.70595 (15021508)	
3605347.5	43.67284 (15121803)	46.58918 (17020108)	57.62315
(16120208)	62.63264 (15121708)	64.09595 (17021308)	
3605097.5	51.73615 (17020308)	56.43724 (15120308)	68.87087
(17020108)	79.90038 (16120208)	83.95614 (15121708)	
3604847.5	49.46706 (16020408)	67.72166 (16012908)	78.21272
(15021008)	104.59105 (17020108)	130.43349 (16120208)	
3604597.5	50.03045 (17121424)	62.67943 (15121608)	77.65708
(16020408)	116.20399 (17020308)	155.61075 (17020108)	
3604347.5	50.96381 (16122808)	58.34967 (17012508)	75.64845
(17012508)	102.23587 (15012401)	143.66908 (16011506)	
3604097.5	49.26953 (16011421)	62.43426 (16011421)	80.74040
(17020524)	97.45811 (15020702)	143.34417 (16122808)	
3603847.5	52.72688 (17122608)	64.40197 (17122608)	79.81326
(17122608)	106.35002 (17122608)	151.11076 (17122608)	
3603597.5	53.44265 (17122908)	61.57992 (16010308)	76.49138
(17011719)	93.43179 (16021602)	126.90900 (16011702)	
3603347.5	51.11751 (16011702)	58.01427 (17120906)	74.12855
(16021406)	97.97569 (17010708)	111.74679 (16122619)	
3603097.5	49.60292 (17121720)	58.59278 (17010708)	67.20146
(17121308)	71.81018 (16021107)	63.70392 (15121422)	
3602847.5	48.48266 (17121308)	59.27521 (15092707)	40.82685
(17122302)	45.79444 (17012504)	50.07327 (15013101)	
3602597.5	41.81715 (15092707)	31.11604 (15022607)	36.04597
(17021905)	37.50314 (15013101)	42.22363 (16122704)	
3602347.5	24.47022 (15012201)	27.49780 (16121224)	29.68150
(15013101)	32.26360 (17022221)	34.72198 (17022222)	
3602097.5	21.70631 (16121224)	23.57970 (17121505)	25.51871
(17010801)	27.93188 (16120304)	32.45400 (16011119)	
3601847.5	19.41494 (17121505)	21.58076 (17010801)	22.45048
(17012722)	27.81282 (17040807)	28.23786 (15021805)	
3601597.5	17.79345 (17010801)	19.19360 (16122704)	20.11042
(17011624)	23.06613 (16011119)	37.22046 (17020408)	
3601347.5	16.21388 (16122704)	17.36758 (16120304)	24.20062
(17040807)	23.35908 (15041007)	42.94798 (17020408)	
3601097.5	15.12418 (17012722)	20.10224 (17040807)	18.04485
(16011119)	26.86088 (17020408)	42.41496 (17020408)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CR5
 INCLUDING SOURCE(S): CR5
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	35.43092 (17070706)	42.78625 (17022408)	20.37113
(17022408)	12.78800 (16112208)	39.13466 (17032607)	
3605847.5	79.46113 (17021508)	98.73174 (16120908)	49.42535
(17022408)	32.42325 (15111919)	88.17698 (17032607)	

3605597.5	85.44274 (17021508)	54.38407 (16021807)	58.04446
(16120106)	65.32156 (15010907)	93.03391 (17032607)	
3605347.5	57.99580 (17010208)	63.65593 (16021807)	71.46945
(17022408)	35.65986 (16091507)	117.35801 (17120924)	
3605097.5	100.39429 (15021508)	130.38017 (16012808)	41.49696
(17022408)	27.58403 (17032607)	33.46508 (17032607)	
3604847.5	175.69518 (16010223)	161.30334 (17010724)	88.21167
(17022408)	45.09919 (17032607)	17.22611 (17032607)	
3604597.5	185.84281 (15120408)	176.02757 (15021508)	67.90126
(15092607)	89.01322 (17032607)	38.45886 (16111708)	
3604347.5	214.05502 (15120308)	314.26985 (15123008)	228.30172
(15110105)	217.81618 (17032607)	58.15729 (15022723)	
3604097.5	231.60089 (15011608)	420.01113 (16012908)	814.41721
(15121708)	972.32891 (16120120)	379.41959 (17120708)	
3603847.5	240.65048 (17122608)	404.94101 (17122608)	1176.59782
(17122608)	4677.69035 (16120224)	331.75305 (15061006)	
3603597.5	199.26854 (16021406)	297.76742 (16021107)	389.07449
(16122704)	353.42239 (17062006)	206.60764 (16013009)	
3603347.5	103.58565 (17122302)	133.08356 (15120324)	218.89167
(15022505)	313.46717 (17122218)	100.17188 (16022919)	
3603097.5	76.84523 (15120324)	100.10696 (17022103)	125.30161
(15012823)	184.26400 (16022219)	169.18064 (16121220)	
3602847.5	59.55642 (16120304)	75.40257 (16021904)	81.19901
(15022601)	99.81859 (16022219)	96.68311 (15021419)	
3602597.5	51.96985 (17022103)	81.03210 (17020408)	62.07982
(17122005)	73.49540 (17122205)	70.39488 (16122021)	
3602347.5	42.10909 (15021805)	61.78310 (17020408)	48.15801
(16122020)	57.36681 (17122205)	55.78418 (15020321)	
3602097.5	54.48585 (17020408)	39.83167 (17020408)	38.38890
(16022802)	45.83044 (17121519)	45.03415 (17121306)	
3601847.5	54.91001 (17020408)	31.01220 (17122619)	31.98385
(16012923)	37.99219 (17121519)	37.51431 (15021622)	
3601597.5	46.00461 (17020408)	26.54140 (16011319)	27.07138
(16012923)	32.23614 (17121519)	32.32052 (16112308)	
3601347.5	34.84182 (17020408)	23.06543 (15022601)	23.72191
(17010402)	27.92896 (15121123)	30.45254 (16112308)	
3601097.5	24.22958 (17020408)	20.77356 (16010118)	21.17237
(17010402)	24.64585 (15121123)	27.80060 (16112308)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CR5
 INCLUDING SOURCE(S): CR5
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
50968.86	510118.86		

3606097.5	16.92766 (17032607)	12.55130 (15121322)	10.29085
(16111708)	7.75470 (17020109)	5.60422 (17020109)	
3605847.5	11.84701 (16010705)	63.84923 (15122821)	15.82137
(16083007)	7.29789 (17020109)	8.58737 (16092207)	

Otay Hills Quarry AERMOD Output File (HRA)

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3605597.5 | 65.95143 (15021924) 60.02244 (17060105) 30.32022
(16101307) 17.57180 (16092207) 10.57272 (17121809)
3605347.5 | 88.62524 (15033023) 76.43887 (15072101) 80.09136
(17022521) 18.60249 (16092207) 10.05416 (17121809)
3605097.5 | 26.23966 (16083007) 11.92297 (15022224) 23.34412
(16092207) 47.86708 (17090523) 13.14971 (15110508)
3604847.5 | 16.93340 (16111708) 16.50412 (16092207) 13.29879
(17121809) 11.72323 (15022724) 14.95804 (15022818)
3604597.5 | 23.74754 (16092207) 16.02528 (17121809) 11.45635
(15082707) 15.31147 (17032608) 20.87761 (17032608)
3604347.5 | 33.33248 (15082707) 32.80062 (15022818) 41.19047
(17032608) 51.49490 (16040707) 40.95853 (16040707)
3604097.5 | 149.91243 (16040707) 68.66623 (16040707) 24.36783
(16040707) 19.01591 (17082707) 17.75917 (16090707)
3603847.5 | 148.36147 (15012017) 79.25023 (15021202) 34.42435
(17030408) 24.24368 (17030408) 20.95305 (15062407)
3603597.5 | 95.67122 (15022408) 45.53006 (17122117) 36.71296
(17122709) 29.61829 (15020117) 21.58447 (15061907)
3603347.5 | 99.78148 (16013009) 66.69091 (16040807) 131.35191
(16100807) 39.43406 (15022408) 73.01559 (17040401)
3603097.5 | 53.49315 (17020419) 218.03276 (17040307) 123.36498
(17022804) 138.61054 (17011308) 135.10317 (16121122)
3602847.5 | 184.82807 (17120621) 94.27498 (16121022) 81.17659
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3602597.5 | 69.02843 (17010406) 85.20535 (15020908) 71.67991
(16010421) 67.23907 (16121120) 67.75478 (16122817)
3602347.5 | 53.11708 (15011507) 59.07768 (17120621) 68.52492
(17021408) 53.87241 (16010601) 50.68363 (16121120)
3602097.5 | 43.50013 (15021419) 41.42744 (17010406) 53.50946
(17120621) 49.09100 (17021408) 85.52624 (15011201)
3601847.5 | 37.15869 (17011319) 35.84376 (15022808) 36.73276
(17120621) 44.48488 (15020908) 41.14764 (16121022)
3601597.5 | 31.76316 (16122021) 38.32197 (15022808) 28.46480
(17010406) 36.97730 (17120621) 38.30666 (17021408)
3601347.5 | 28.48261 (17031208) 30.91464 (15022808) 25.11159
(16121220) 25.61787 (16121008) 32.95283 (15020908)
3601097.5 | 24.73099 (17031208) 23.87492 (16022321) 29.62624
(15022808) 21.86523 (16092807) 27.26653 (17120621)

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR5 ***
INCLUDING SOURCE(S): CR5 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 510368.86 510618.86 510868.86
511118.86
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3606097.5 | 8.03833 (16092207) 8.81481 (17121809) 7.46737
(17121809) 5.97002 (17032908)
3605847.5 | 9.61827 (17121809) 8.15605 (17121809) 6.58276
(17032908) 6.50907 (15082707)

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3605597.5 | 8.99769 (17121809) 7.28367 (17032908) 6.96314
(15082707) 4.97752 (15082707)
3605347.5 | 8.07317 (17032908) 7.20072 (15082707) 4.33005
(15082707) 6.34663 (17122309)
3605097.5 | 7.00744 (15082707) 6.58130 (17122309) 10.15700
(17122309) 11.76581 (17122309)
3604847.5 | 13.65861 (16082307) 13.93442 (17122309) 22.85180
(16040707) 29.98359 (16040707)
3604597.5 | 34.10661 (16040707) 37.84202 (16040707) 30.53388
(16040707) 20.10957 (16040707)
3604347.5 | 23.09606 (16040707) 10.92474 (16040707) 11.47700
(17082707) 11.42334 (17082707)
3604097.5 | 17.20717 (16090707) 15.94846 (16090707) 14.43665
(16090707) 12.90572 (16090707)
3603847.5 | 18.77213 (15062407) 17.05047 (15062407) 15.65114
(15062407) 14.48761 (15062407)
3603597.5 | 20.91345 (15061907) 16.38672 (15061907) 13.22726
(15061907) 11.71504 (17042907)
3603347.5 | 33.61681 (15091922) 13.55931 (17082908) 8.47697
(17122709) 6.56393 (15061907)
3603097.5 | 38.00900 (15022408) 20.84668 (15022408) 11.49648
(17122709) 10.75712 (17122709)
3602847.5 | 100.49414 (15121020) 37.93402 (16040807) 33.84004
(15022408) 23.66369 (15022408)
3602597.5 | 61.79001 (17062906) 30.33348 (16040807) 40.21640
(16040807) 32.28265 (16040807)
3602347.5 | 55.73977 (15013018) 66.27335 (17010220) 35.08282
(16071324) 59.83350 (16040807)
3602097.5 | 91.95637 (17040307) 38.57904 (17122124) 39.22835
(16121203) 36.04298 (17022804)
3601847.5 | 69.58982 (16010601) 33.71073 (17122518) 31.06802
(17122124) 30.10764 (16122817)
3601597.5 | 35.06695 (16121022) 30.69228 (17011224) 30.08327
(17122518) 25.63233 (17122124)
3601347.5 | 31.62946 (17021408) 24.61883 (16010421) 25.87932
(17011224) 24.75865 (17122518)
3601097.5 | 27.79907 (15020908) 25.07716 (17021408) 22.23923
(16010421) 23.56348 (17011224)

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CR5 ***
INCLUDING SOURCE(S): CR5 ,
*** DISCRETE CARTESIAN RECEPTOR

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POINTS ***

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** CONC OF TAC IN MICROGRAMS/M**3
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X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD
(M) Y-COORD (M) CONC (YYMMDDHH)
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508226.78 3603955.63 582.59106 (17012508)
507708.67 3603932.32 167.52967 (17011708)
506203.59 3603369.23 38.58129 (15012720)
507919.87 3604794.52 160.01024 (15122808)
507037.89 3604916.08 71.80383 (15021008)

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Otay Hills Quarry AERMOD Output File (HRA)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CTB1 ***
INCLUDING SOURCE(S): CTB1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS) 504618.86
504868.86	505118.86		

3606097.5	13.36271 (16020408)	15.35756 (16120805)	18.20924
(16012908)	19.78674 (17020308)	21.13412 (17040507)	
3605847.5	15.81587 (15040607)	15.30982 (15010408)	15.96397
(16020408)	19.54476 (16120805)	23.35989 (16012908)	
3605597.5	17.02612 (15040607)	18.59553 (15040607)	19.47290
(15040607)	19.85745 (15010408)	21.06403 (17010206)	
3605347.5	15.87217 (15011608)	16.59792 (15040607)	18.66204
(15040607)	20.47893 (15040607)	23.15569 (15040607)	
3605097.5	16.46807 (15011519)	17.69166 (17012508)	19.24025
(17012508)	19.44509 (15011608)	20.88843 (16010821)	
3604847.5	22.11803 (15040307)	21.91373 (15040307)	19.80729
(16021108)	20.48220 (15011519)	23.90525 (17122703)	
3604597.5	19.18216 (17092707)	19.47782 (17092707)	22.16674
(15040307)	26.12063 (15040307)	29.68305 (15040307)	
3604347.5	19.26637 (16040507)	19.14640 (16040507)	19.89590
(16010305)	22.22913 (15122708)	25.71010 (15122708)	
3604097.5	17.04905 (17011708)	19.12202 (17011708)	20.48579
(17011708)	22.35663 (17011708)	25.04473 (16021605)	
3603847.5	18.04542 (17021608)	19.21004 (17021608)	21.80420
(15010808)	23.66581 (15010808)	27.18833 (15010808)	
3603597.5	17.85981 (17021608)	18.31925 (17021608)	19.26878
(17021608)	21.09726 (15021102)	23.16605 (15021102)	
3603347.5	15.44370 (17022106)	16.94708 (15011603)	18.87691
(17122908)	20.70107 (17122908)	22.65057 (17122908)	
3603097.5	15.45034 (17021402)	16.53407 (17021402)	18.03576
(17011719)	20.74072 (15012720)	22.26231 (15022622)	
3602847.5	15.19741 (15022622)	15.99664 (15022622)	18.16521
(15020721)	19.40033 (16011702)	21.36375 (17120906)	
3602597.5	14.62186 (16011702)	15.99491 (17120906)	17.69276
(15011506)	21.94073 (15092907)	25.92551 (15092907)	
3602347.5	18.20004 (15092907)	21.25119 (15092907)	22.66126
(15092907)	21.52940 (15092907)	20.35594 (16022405)	
3602097.5	19.35733 (15092907)	17.27147 (15092907)	18.21847
(17092807)	23.45085 (17092807)	25.84695 (17092807)	
3601847.5	17.16375 (17092807)	21.14686 (17092807)	22.45018
(17092807)	25.64124 (15092707)	31.03053 (15092707)	
3601597.5	20.24123 (17092807)	22.10342 (15092707)	26.76809
(15092707)	27.40127 (15092707)	22.56405 (15092707)	
3601347.5	23.77635 (15092707)	25.27719 (15092707)	22.62028
(15092707)	16.42549 (15092707)	11.46506 (17122105)	
3601097.5	22.14363 (15092707)	17.72292 (15092707)	11.66188
(15092707)	10.35790 (17122105)	10.97596 (15012201)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CTB1 ***
INCLUDING SOURCE(S): CTB1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS) 505868.86
506118.86	506368.86		

3606097.5	28.98294 (17040507)	25.23887 (17040507)	26.77594
(17020108)	27.20349 (16121408)	43.38996 (16120208)	
3605847.5	24.50662 (17020308)	30.68549 (17040507)	31.01741
(17040507)	31.08461 (17020108)	32.10952 (16121408)	
3605597.5	25.79839 (16120805)	29.55411 (17020308)	31.58991
(17020907)	37.59626 (17040507)	36.80711 (17020108)	
3605347.5	24.87028 (15010408)	26.66870 (15011008)	34.73555
(16012908)	38.55854 (17020308)	41.99087 (17040507)	
3605097.5	24.18011 (15040607)	28.32689 (15040607)	32.38857
(15010408)	35.72976 (15011008)	46.59410 (16012908)	
3604847.5	24.27618 (17012508)	26.93744 (15011608)	31.50161
(16010821)	35.87582 (15012401)	43.41155 (15010408)	
3604597.5	26.86404 (15040307)	29.11773 (16122808)	30.35694
(15011519)	36.05752 (17012508)	43.11883 (15011608)	
3604347.5	29.33579 (17122422)	33.09612 (16122806)	35.96275
(15020702)	35.92642 (17013020)	44.47045 (16011108)	
3604097.5	28.32192 (16021605)	34.56404 (15020724)	38.43584
(15020724)	38.21843 (16120721)	42.57877 (16010305)	
3603847.5	31.39345 (15010808)	34.58414 (15010808)	36.70735
(15010808)	42.30113 (15010808)	47.71250 (15010808)	
3603597.5	26.70554 (15021102)	29.28859 (15021102)	32.28678
(15021102)	37.67470 (16012807)	46.93215 (16012807)	
3603347.5	25.25368 (16121804)	28.50946 (17021402)	31.97882
(17011719)	38.20700 (15012720)	45.73000 (15022622)	
3603097.5	24.22640 (15022622)	27.90549 (15020721)	30.91850
(16011702)	37.41222 (17120906)	44.75125 (17122623)	
3602847.5	23.58021 (15011506)	27.63464 (17122623)	32.80657
(15092907)	36.25802 (17121503)	43.90588 (17010708)	
3602597.5	27.22949 (15092907)	26.62865 (17121503)	30.70798
(17092807)	36.92621 (17092807)	50.10933 (15092707)	
3602347.5	27.08419 (17092807)	30.67676 (17092807)	38.69074
(15092707)	42.50586 (15092707)	30.45805 (15092707)	
3602097.5	30.89918 (15092707)	35.94325 (15092707)	31.87837
(15092707)	19.37272 (17122302)	20.98930 (15012201)	
3601847.5	29.70297 (15092707)	21.77308 (15092707)	16.34082
(17122105)	17.78321 (15121422)	19.12459 (16020521)	
3601597.5	14.35502 (15092707)	13.63472 (15012201)	14.99361
(17012504)	16.31251 (16020521)	17.32066 (15012624)	
3601347.5	12.24563 (15012201)	13.06659 (17012504)	14.02998
(16012302)	14.89490 (15012624)	15.91187 (16121724)	
3601097.5	11.66135 (15021422)	12.42649 (16012302)	13.26975
(15012624)	14.05354 (15120820)	14.83047 (16021923)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CTB1 ***
INCLUDING SOURCE(S): CTB1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS) 507118.86
507368.86	507618.86		

3606097.5	44.95306 (16120208)	36.58368 (16010908)	63.14699
(17021308)	67.53863 (15021508)	66.61547 (17021320)	
3605847.5	48.88304 (16120208)	48.10027 (16120208)	47.27202
(15122808)	82.41195 (15021508)	76.66516 (15121303)	
3605597.5	38.55185 (16121408)	54.98823 (16120208)	50.69555
(15121708)	83.89915 (17022201)	86.57573 (15021508)	
3605347.5	46.23456 (17020108)	47.26344 (16121408)	60.57327
(16120208)	60.81562 (15121708)	66.00616 (15021508)	
3605097.5	50.26049 (17020907)	58.39342 (15013124)	67.46122
(16121408)	82.34348 (16120208)	83.21224 (16010908)	
3604847.5	51.83268 (16120805)	68.15278 (17020308)	78.46435
(17020601)	97.75484 (16021321)	129.68687 (16120208)	
3604597.5	51.99778 (15012401)	64.36047 (15010408)	85.38401
(16012908)	110.05174 (17020907)	154.50293 (17020108)	
3604347.5	50.61931 (16122808)	60.98291 (17012508)	76.92014
(16010821)	108.82300 (15121608)	166.45011 (16012908)	
3604097.5	51.97915 (15122708)	65.95609 (17122422)	84.97745
(15020702)	105.42946 (16011108)	144.72810 (17012508)	
3603847.5	53.27054 (15010808)	64.99419 (15010808)	80.00498
(15010808)	105.94941 (15010808)	152.90152 (17011708)	
3603597.5	53.70683 (15011603)	64.28498 (17122908)	80.63037
(16121804)	98.93200 (17011719)	137.46769 (15022622)	
3603347.5	53.39234 (15020721)	60.53750 (16011702)	78.87226
(17122623)	104.27259 (17121720)	123.71864 (17121308)	
3603097.5	52.12359 (16121801)	60.28866 (16022405)	72.11950
(17121308)	82.07812 (17020107)	67.80285 (15012201)	
3602847.5	51.23426 (17121308)	60.65721 (15092707)	47.30103
(15092707)	48.32982 (15121422)	53.30665 (16121802)	
3602597.5	45.89491 (15092707)	33.09675 (17122105)	37.77536
(17012504)	39.46271 (17121505)	44.74655 (16122704)	
3602347.5	25.61462 (15012201)	28.78831 (17021905)	31.33444
(17121505)	34.36815 (16021923)	37.07685 (16020501)	
3602097.5	22.56001 (16121224)	24.89849 (17121505)	26.82734
(17010801)	29.24401 (16120304)	34.24152 (17121706)	
3601847.5	20.39325 (17121505)	22.43250 (17122106)	23.29074
(17012722)	28.06539 (17040807)	29.76321 (17122601)	
3601597.5	18.70822 (16121724)	19.98075 (16122704)	20.99608
(17011624)	24.05610 (17022603)	38.27042 (17020408)	
3601347.5	17.05343 (16022007)	18.05413 (15122919)	24.50250
(17040807)	23.68396 (15041007)	43.83050 (17020408)	
3601097.5	15.66013 (17012722)	20.07958 (17040807)	18.96103
(17022603)	27.54371 (17020408)	42.87996 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CTB1 ***
INCLUDING SOURCE(S): CTB1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS) 508368.86
508618.86	508868.86		

3606097.5	35.28724 (15082706)	46.49572 (17022408)	17.76771
(17022408)	11.74753 (16112208)	39.28180 (17032607)	
3605847.5	71.79474 (17021508)	85.82696 (16120908)	43.61016
(17022408)	32.17169 (15111919)	86.27231 (17032607)	
3605597.5	88.54273 (17021508)	54.73265 (16121101)	57.46817
(17012203)	68.21886 (17010907)	88.20340 (17032607)	
3605347.5	60.31243 (17021508)	63.00929 (16021807)	65.92587
(17022408)	38.88993 (16010424)	114.15541 (17120924)	
3605097.5	93.46994 (15021508)	120.82353 (16012808)	40.11932
(17022408)	32.91913 (17032607)	28.93106 (17032607)	
3604847.5	173.21906 (15120107)	158.00015 (16020419)	93.35206
(17022408)	51.31953 (17032607)	13.89643 (17032607)	
3604597.5	191.13331 (15123008)	168.35689 (15021508)	74.94142
(15092607)	86.80555 (17032607)	37.04524 (16111708)	
3604347.5	228.18135 (17020108)	320.58755 (15121708)	229.15233
(17070706)	146.97246 (17032607)	65.11289 (17022620)	
3604097.5	237.26308 (15121608)	409.48828 (17022604)	696.69722
(17010917)	875.82486 (16120120)	346.61001 (16123021)	
3603847.5	249.55401 (17011708)	425.10372 (15020724)	1362.79080
(16013002)	3109.62315 (15022304)	321.17290 (15022201)	
3603597.5	220.17919 (15011506)	351.05787 (17121308)	495.97134
(16021923)	436.30033 (15012817)	144.79207 (16040807)	
3603347.5	128.44090 (16021107)	150.56971 (15120324)	254.92934
(15021423)	364.98320 (17121306)	124.85389 (17020419)	
3603097.5	83.20356 (16121802)	110.36185 (17121706)	137.97326
(17020506)	208.41063 (17122218)	181.03282 (17122024)	
3602847.5	64.05230 (17012722)	81.91393 (17021207)	89.89466
(15022601)	108.36285 (15021621)	102.78539 (17010624)	
3602597.5	56.20462 (17121706)	83.25316 (17020408)	66.72292
(16010605)	79.37666 (16022704)	75.69921 (16011520)	
3602347.5	44.77476 (17122601)	61.55407 (17020408)	50.88540
(16122020)	61.51571 (17122922)	59.57406 (17123106)	
3602097.5	56.15442 (17020408)	39.03183 (15012823)	40.34611
(16022802)	49.17123 (17122922)	47.70057 (15020405)	
3601847.5	55.78090 (17020408)	32.77094 (17020506)	33.62476
(16012923)	40.38517 (17122922)	39.90473 (17121306)	
3601597.5	46.00658 (17020408)	28.14106 (16011319)	28.46736
(17020220)	34.34495 (17121519)	34.41624 (15021622)	
3601347.5	34.33040 (17020408)	24.35843 (15022601)	24.86901
(17020220)	29.64236 (17121519)	30.38723 (16112308)	
3601097.5	23.56246 (17020408)	21.69743 (15012120)	22.04875
(16121106)	26.02580 (17121519)	28.23924 (16112308)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CTB1 ***
INCLUDING SOURCE(S): CTB1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS) 509618.86
509868.86	510118.86		

3606097.5	15.18933 (17032607)	13.91275 (15121322)	10.14587
(16111708)	7.64779 (17020109)	5.61811 (17020109)	
3605847.5	14.04814 (16010705)	62.20041 (15122821)	15.60490
(16083007)	8.18008 (15022224)	8.32518 (16092207)	
3605597.5	64.70208 (15021924)	58.87627 (15080402)	30.26433
(15092321)	19.87007 (15022123)	10.28313 (17121809)	
3605347.5	85.94065 (15033023)	75.98273 (15030219)	78.78665
(17022521)	18.98345 (16092207)	10.55007 (15121922)	
3605097.5	25.55713 (16083007)	13.36662 (15022224)	23.38321
(16092207)	45.93156 (17090523)	12.44461 (15110508)	
3604847.5	17.13998 (16111708)	15.90857 (16092207)	13.58370
(17121809)	12.45984 (15022724)	14.62432 (15022818)	
3604597.5	20.61603 (16092207)	16.45701 (17121809)	11.89020
(15082707)	11.61849 (17032608)	20.06027 (17032608)	
3604347.5	43.11252 (17012305)	35.48061 (15022818)	37.23957
(17032608)	45.49644 (16040707)	44.79814 (16040707)	
3604097.5	100.15730 (17012417)	76.45588 (16040707)	38.10191
(16040707)	17.37244 (17082707)	16.62780 (17082707)	
3603847.5	123.78695 (17103122)	65.55037 (15122305)	36.59092
(17030408)	26.52442 (17030408)	20.70799 (17030408)	
3603597.5	66.64941 (16012417)	52.82495 (16011417)	45.47903
(15020117)	33.43959 (16012321)	23.86681 (15061907)	
3603347.5	92.02086 (16013009)	84.43482 (16040807)	119.11493
(16010217)	42.02924 (16120918)	77.20125 (16011517)	
3603097.5	69.40507 (16040518)	205.06794 (15013018)	128.65756
(17121101)	156.00100 (15121020)	138.02188 (15022202)	
3602847.5	204.22140 (15020908)	105.33077 (16010421)	92.13972
(17122124)	95.05224 (17022804)	80.78458 (16121121)	
3602597.5	73.98809 (17122024)	90.38156 (17021408)	76.73622
(17011224)	73.11504 (17122124)	71.35982 (16121203)	
3602347.5	55.91036 (15021719)	68.82719 (17120621)	65.54597
(17021408)	57.86371 (17011224)	52.28716 (17122124)	
3602097.5	44.99182 (15022808)	43.77745 (17122024)	58.15937
(15020908)	51.63783 (16121022)	86.86862 (17011224)	
3601847.5	38.79026 (16022321)	37.40943 (16121220)	43.34400
(17120621)	46.19879 (17021408)	42.25637 (16121022)	
3601597.5	33.68460 (16011520)	37.89834 (15022808)	30.02654
(17122024)	38.88277 (17120621)	38.22689 (17021408)	
3601347.5	29.17580 (17123106)	34.05544 (15022808)	25.79650
(15021820)	28.96782 (17120621)	34.72151 (15020908)	
3601097.5	26.18355 (17031208)	24.91502 (16022321)	27.42406
(15022808)	22.77856 (17122024)	29.57631 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: CTB1 ***
INCLUDING SOURCE(S): CTB1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS) 510868.86
511118.86			

3606097.5	7.90483 (16092207)	8.66587 (17121809)	7.56871
(17121809)	5.82034 (17032908)		
3605847.5	9.41260 (17121809)	8.27283 (17121809)	6.43473
(17032908)	6.42447 (15082707)		
3605597.5	9.13514 (17121809)	7.14877 (17032908)	6.97110
(15082707)	5.26927 (15082707)		
3605347.5	7.97429 (17032908)	7.36172 (15082707)	4.73398
(15082707)	5.51686 (17122309)		
3605097.5	7.39963 (15082707)	5.53123 (17122309)	9.14449
(17122309)	11.26168 (17122309)		
3604847.5	12.85848 (16082307)	13.28817 (17122309)	18.61715
(16040707)	27.22215 (16040707)		
3604597.5	28.33294 (16040707)	36.41620 (16040707)	33.01896
(16040707)	23.86320 (16040707)		
3604347.5	29.42982 (16040707)	15.52736 (16040707)	10.34929
(17082707)	10.76370 (17082707)		
3604097.5	15.60360 (16090707)	15.35426 (16090707)	14.52031
(16090707)	13.41347 (16090707)		
3603847.5	17.31096 (17030408)	15.33756 (15062407)	14.20827
(15062407)	13.24869 (15062407)		
3603597.5	23.71323 (16052106)	16.25853 (15061907)	14.93986
(17042907)	12.89527 (17042907)		
3603347.5	35.89660 (15120117)	16.12937 (15122221)	8.44401
(15061907)	8.87376 (15061907)		
3603097.5	30.32102 (15022408)	13.58062 (16012417)	11.59916
(17122709)	10.30523 (17122709)		
3602847.5	106.18454 (15121020)	36.44482 (15022408)	30.33227
(15022408)	17.95979 (15022408)		
3602597.5	61.02444 (17062906)	37.47003 (16040807)	39.56653
(16040807)	30.17325 (15022408)		
3602347.5	58.36077 (16122817)	72.27444 (15031607)	34.47060
(17082901)	68.52469 (16040807)		
3602097.5	96.28777 (17040307)	41.82417 (15013018)	39.89387
(16121203)	36.72744 (17123017)		
3601847.5	70.99198 (17011224)	35.01108 (16121120)	32.12756
(15013018)	31.44699 (16121203)		
3601597.5	36.61306 (15020618)	32.18615 (17011224)	31.44936
(16121120)	26.95865 (16013009)		
3601347.5	30.71113 (17121417)	27.72706 (16010421)	26.75755
(17011224)	25.97937 (16121120)		
3601097.5	28.60614 (17021408)	26.95985 (16121022)	24.30813
(16010421)	24.14365 (17011224)		

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CTB1 ***
 INCLUDING SOURCE(S): CTB1 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
508226.78	3603955.63	598.29203 (15010408)	
507708.67	3603932.32	176.34864 (15122708)	
506203.59	3603369.23	40.13234 (15012720)	
507919.87	3604794.52	157.35963 (15011121)	
507037.89	3604916.08	72.18570 (17020307)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CTB2 ***
 INCLUDING SOURCE(S): CTB2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504868.86	505118.86

3606097.5	13.38935 (16020408)	15.11391 (16120805)	18.04281
(16012908)	19.75241 (17020308)	20.51716 (17040507)	
3605847.5	15.96131 (15040607)	15.29374 (15010408)	16.00483
(16020408)	19.25577 (16120805)	23.22150 (16012908)	
3605597.5	16.89153 (15040607)	18.58095 (15040607)	19.61289
(15040607)	19.76096 (15010408)	20.97998 (16020408)	
3605347.5	15.81052 (16011704)	16.30311 (15011608)	18.43141
(15040607)	20.40020 (15040607)	23.27250 (15040607)	
3605097.5	16.42522 (15011519)	17.61971 (17122703)	19.17142
(17012508)	19.26433 (15011608)	20.96592 (15011608)	
3604847.5	22.09583 (15040307)	22.08521 (15040307)	20.16330
(15040307)	20.35417 (15011519)	23.72532 (17122703)	
3604597.5	19.13863 (17092707)	19.55585 (17092707)	21.67709
(15040307)	25.74387 (15040307)	29.53033 (15040307)	

3604347.5	19.37523 (16040507)	19.33935 (16040507)	19.75002
(16010305)	21.95726 (16010305)	25.51256 (15122708)	
3604097.5	16.93383 (17011708)	18.99965 (17011708)	20.39377
(17011708)	22.29493 (17011708)	24.83259 (16021605)	
3603847.5	18.25809 (17021608)	19.44411 (17021608)	21.57630
(15010808)	23.42067 (15010808)	26.88938 (15010808)	
3603597.5	17.50060 (17021608)	17.91336 (17021608)	18.79009
(17021608)	21.05052 (15021102)	23.07585 (15021102)	
3603347.5	15.36573 (17022106)	16.81750 (15011603)	18.78038
(17122908)	20.54537 (17122908)	22.47515 (16121804)	
3603097.5	15.35431 (17021402)	16.43228 (17011719)	17.90258
(17011719)	20.58994 (15012720)	22.13549 (15022622)	
3602847.5	15.09370 (15022622)	15.85264 (17021302)	18.06431
(15020721)	19.29429 (16011702)	21.24112 (17120906)	
3602597.5	14.52134 (16011702)	15.88911 (17120906)	17.56425
(15011506)	21.98604 (15092907)	25.84578 (15092907)	
3602347.5	18.23999 (15092907)	21.21457 (15092907)	22.52788
(15092907)	21.30888 (15092907)	20.20081 (16022405)	
3602097.5	19.20790 (15092907)	17.07611 (15092907)	18.25457
(17092807)	23.40127 (17092807)	25.68337 (17092807)	
3601847.5	17.18248 (17092807)	21.09836 (17092807)	22.32540
(17092807)	25.59368 (15092707)	30.87969 (15092707)	
3601597.5	20.13613 (17092807)	22.07469 (15092707)	26.67040
(15092707)	27.24404 (15092707)	22.40115 (15092707)	
3601347.5	23.70507 (15092707)	25.15529 (15092707)	22.47819
(15092707)	16.30781 (15092707)	11.39062 (17122105)	
3601097.5	22.02048 (15092707)	17.60688 (15092707)	11.57981
(15092707)	10.29383 (17122105)	10.90718 (15012201)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CTB2 ***
 INCLUDING SOURCE(S): CTB2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
505368.86	505618.86
506118.86	505868.86

3606097.5	28.83974 (17040507)	25.88294 (17040507)	26.92333
(17020108)	27.37924 (16121408)	42.61659 (16120208)	
3605847.5	24.62673 (17020308)	30.15223 (17040507)	31.51378
(17040507)	31.11470 (17020108)	32.22871 (16121408)	
3605597.5	25.47282 (16120805)	29.49613 (16012908)	31.32982
(17020907)	37.71289 (17040507)	36.53989 (17020108)	
3605347.5	24.70429 (15010408)	26.42877 (17010206)	34.03410
(16012908)	38.53463 (17020308)	41.41165 (17040507)	
3605097.5	23.96057 (15040607)	28.37386 (15040607)	32.08731
(15010408)	35.07707 (15011008)	46.08729 (16012908)	
3604847.5	24.24632 (17012508)	26.74469 (15011608)	31.42151
(16010821)	35.75916 (15012401)	42.85916 (15010408)	
3604597.5	27.10613 (15040307)	28.99357 (16122808)	30.44547
(15011519)	35.93806 (17012508)	42.83829 (15011608)	

Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	28.99653 (17122422)	32.93266 (17122422)	35.43348
(16122806)	35.82258 (15020702)	44.17529 (16011108)	
3604097.5	28.15954 (16021605)	34.13949 (15020724)	38.14463
(15020724)	37.87775 (16120721)	42.18273 (16011421)	
3603847.5	31.03991 (15010808)	34.19241 (15010808)	36.33221
(15010808)	41.86868 (15010808)	47.29252 (15010808)	
3603597.5	26.52323 (15021102)	29.01675 (15021102)	31.94482
(16012807)	37.33143 (16012807)	46.17240 (16012807)	
3603347.5	25.01798 (16121804)	28.28251 (17021402)	31.73329
(17011719)	37.84698 (15012720)	45.18623 (15022622)	
3603097.5	23.96560 (15022622)	27.71339 (15020721)	30.65090
(16011702)	36.93633 (17120906)	44.17358 (17122623)	
3602847.5	23.42069 (15011506)	27.54391 (15092907)	32.63480
(15092907)	35.90524 (17121503)	43.38663 (17010708)	
3602597.5	26.99372 (15092907)	26.34019 (17121503)	30.65935
(17092807)	36.60380 (17092807)	49.73618 (15092707)	
3602347.5	27.02459 (17092807)	30.44773 (17092807)	38.50647
(15092707)	42.13347 (15092707)	30.13916 (15092707)	
3602097.5	30.80785 (15092707)	35.71491 (15092707)	31.58882
(15092707)	19.19997 (17122302)	20.79730 (15012201)	
3601847.5	29.49232 (15092707)	21.58683 (15092707)	16.21011
(17122105)	17.63335 (15121422)	18.96043 (16020521)	
3601597.5	14.24160 (15092707)	13.53395 (15012201)	14.87645
(17012504)	16.18954 (16020521)	17.19438 (15012624)	
3601347.5	12.16239 (15012201)	12.97559 (17012504)	13.92280
(16012302)	14.79445 (15012624)	15.77612 (16121724)	
3601097.5	11.58058 (15021422)	12.34021 (16012302)	13.18438
(15012624)	13.95866 (15120820)	14.73336 (16021923)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CTB2

 INCLUDING SOURCE(S): CTB2 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		
-	-	-	-
-	-	-	-

3606097.5	45.91107 (16120208)	36.47686 (16010908)	61.42256
(17021308)	68.63957 (15021508)	66.23871 (17021320)	
3605847.5	48.08066 (16120208)	49.54986 (16120208)	46.88283
(16010908)	81.39437 (15021508)	76.28284 (15121303)	
3605597.5	38.54627 (16121408)	54.21730 (16120208)	50.26804
(15121708)	83.13848 (17011603)	89.02932 (15021508)	
3605347.5	45.16413 (17020108)	46.99179 (16121408)	59.97949
(16120208)	61.71569 (15121708)	65.18798 (17021308)	
3605097.5	49.80939 (17020907)	57.60977 (15013124)	65.98840
(16121408)	81.82471 (16120208)	83.78571 (16010908)	
3604847.5	50.08868 (16120805)	67.42058 (17020308)	78.02837
(17020601)	97.56190 (17020108)	129.15416 (16120208)	
3604597.5	51.04717 (15012401)	63.11258 (15010408)	82.87761
(16120805)	108.87023 (17020907)	155.42603 (17020108)	

3604347.5	50.70082 (16122808)	60.58218 (17012508)	76.71256
(15011608)	106.95576 (15121608)	161.97646 (16012908)	
3604097.5	51.34460 (15122708)	65.15408 (17122422)	83.31897
(15020702)	104.21970 (16011108)	141.81809 (17012508)	
3603847.5	53.03285 (15010808)	64.73882 (15010808)	79.93559
(15010808)	105.95447 (15010808)	149.01562 (17121406)	
3603597.5	53.20053 (17122908)	63.35867 (17122908)	79.22971
(17021402)	97.22409 (17011719)	133.63964 (15022622)	
3603347.5	52.87383 (15020721)	59.87036 (17120906)	77.55872
(17122623)	102.43404 (17121503)	121.13145 (17121308)	
3603097.5	51.34528 (16121801)	59.55126 (17010708)	70.84500
(17121308)	80.47414 (17020107)	66.56653 (15012201)	
3602847.5	50.47190 (17121308)	60.09991 (15092707)	46.65311
(15092707)	47.61024 (15121422)	52.42914 (16121802)	
3602597.5	45.40942 (15092707)	32.70075 (17122105)	37.29219
(17012504)	39.02814 (17121505)	44.14154 (16122704)	
3602347.5	25.34304 (15012201)	28.47115 (17021905)	31.01455
(17121505)	34.00329 (16021923)	36.63625 (16020501)	
3602097.5	22.33960 (16121224)	24.67542 (17121505)	26.58243
(17010801)	28.91394 (16120304)	34.06581 (17121706)	
3601847.5	20.23021 (17121505)	22.19929 (17122106)	23.01603
(17012722)	27.70868 (17040807)	29.49371 (17122601)	
3601597.5	18.55321 (16121724)	19.80808 (16122704)	20.84524
(17011624)	23.75703 (17022603)	37.23989 (17020408)	
3601347.5	16.92160 (16022007)	17.90161 (15122919)	24.37811
(17040807)	23.40257 (15041007)	43.21060 (17020408)	
3601097.5	15.52917 (17012722)	19.74621 (17040807)	18.75843
(17022603)	26.75879 (17020408)	42.73748 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CTB2

 INCLUDING SOURCE(S): CTB2 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
-	-	-	-
-	-	-	-

3606097.5	36.35940 (15082706)	45.13073 (17022408)	21.93289
(16112208)	12.27817 (16112208)	38.98417 (17032607)	
3605847.5	74.32332 (17021508)	89.03144 (16120908)	45.71178
(17022408)	34.14417 (15111919)	86.77497 (17032607)	
3605597.5	87.88355 (17021508)	53.07193 (16121101)	57.10983
(17012203)	69.55014 (17010907)	90.31619 (17032607)	
3605347.5	57.19004 (17010208)	63.57281 (16021807)	67.90967
(17022408)	40.27810 (16010424)	118.87354 (17120924)	
3605097.5	95.03575 (15021508)	132.22404 (16012808)	40.63984
(17022408)	30.07180 (17032607)	31.58802 (17032607)	
3604847.5	178.00588 (17013021)	163.26660 (16020419)	91.67556
(17022408)	47.41474 (17032607)	16.02801 (17032607)	
3604597.5	190.68265 (15123008)	172.77421 (15021508)	73.37465
(15092607)	82.21062 (17032607)	36.81493 (16111708)	

Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	219.31191 (17020108)	317.94998 (15121708)	242.89195
(17070706)	221.20874 (17032607)	68.76954 (17022620)	
3604097.5	230.82588 (15012401)	398.86448 (17022505)	717.54245
(17011421)	865.94997 (16120120)	373.97394 (16123021)	
3603847.5	241.28570 (17011708)	412.54137 (16021605)	1287.96132
(17012902)	3426.51101 (17010518)	321.57985 (17021904)	
3603597.5	214.19359 (17122623)	338.71758 (17121308)	466.67616
(16021923)	488.41059 (15012517)	157.12730 (16012617)	
3603347.5	124.70483 (16021107)	146.39147 (15120324)	245.86987
(16121719)	355.15893 (15021622)	132.96562 (17010522)	
3603097.5	81.50360 (16121802)	106.94738 (17121706)	135.83411
(15012823)	203.84278 (15021621)	178.99787 (15011107)	
3602847.5	63.08933 (17012722)	80.57515 (16021904)	88.68135
(15022601)	107.89213 (16022704)	102.41813 (17021807)	
3602597.5	55.49180 (17121706)	82.45775 (17020408)	65.97934
(16010605)	78.62653 (16022704)	75.73102 (16011520)	
3602347.5	44.42714 (17122601)	62.61351 (17020408)	50.61223
(16122020)	61.25783 (17122922)	59.08999 (17123106)	
3602097.5	54.87369 (17020408)	40.01447 (17020408)	40.17754
(16022802)	48.71480 (17122922)	47.46230 (15020405)	
3601847.5	55.50207 (17020408)	32.51304 (17020506)	33.41593
(16012923)	40.32354 (17121519)	39.57943 (15021622)	
3601597.5	46.43375 (17020408)	28.00673 (16011319)	28.19208
(17020220)	34.23077 (17121519)	34.04039 (15021622)	
3601347.5	35.03259 (17020408)	24.26858 (15022601)	24.73394
(17020220)	29.47691 (17121519)	30.47771 (16112308)	
3601097.5	24.25630 (17020408)	21.59568 (15012120)	21.95782
(17020220)	25.82996 (17121519)	28.12392 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CTB2 ***
 INCLUDING SOURCE(S): CTB2 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
-	-	-	-
-	-	-	-

3606097.5	16.23237 (17032607)	14.59771 (15121322)	10.19365
(16111708)	7.67367 (17020109)	5.68850 (17020109)	
3605847.5	14.12698 (16010705)	62.75319 (15122821)	15.83771
(16083007)	8.07656 (15022224)	8.30701 (16092207)	
3605597.5	66.63750 (15021924)	60.80272 (15080402)	32.56951
(15092321)	20.47892 (15022123)	10.29498 (17121809)	
3605347.5	90.62541 (15033023)	79.72861 (15030219)	81.48643
(17022521)	19.20084 (16092207)	10.72801 (15121922)	
3605097.5	25.58626 (16083007)	13.11314 (15022224)	23.59933
(16092207)	47.53185 (17090523)	12.48453 (15110508)	
3604847.5	17.97060 (16111708)	16.03949 (16092207)	13.71478
(17121809)	12.68520 (15022724)	15.04215 (15022818)	
3604597.5	20.55679 (16092207)	16.65700 (17121809)	11.96589
(15082707)	11.94386 (17032608)	20.38914 (17032608)	

3604347.5	44.94124 (17012305)	36.67488 (15022818)	38.04457
(17032608)	46.33998 (16040707)	44.70825 (16040707)	
3604097.5	105.78400 (17012417)	77.02375 (16040707)	36.82890
(16040707)	17.69607 (17082707)	16.74848 (17082707)	
3603847.5	132.18923 (16051406)	68.85859 (15011221)	37.19037
(17030408)	26.77093 (17030408)	20.79082 (17030408)	
3603597.5	73.86129 (15022408)	58.14925 (16011417)	46.38856
(15020117)	34.56815 (16012321)	23.78695 (15061907)	
3603347.5	99.61801 (16013009)	83.00881 (16040807)	124.50894
(16010217)	42.91876 (16120918)	80.05394 (16011517)	
3603097.5	68.78218 (17011019)	203.64386 (17122124)	125.46255
(17123017)	161.00887 (15121020)	139.75387 (15022202)	
3602847.5	160.62172 (17120621)	104.99134 (16010421)	90.59530
(17122124)	94.27346 (16121203)	80.35228 (16121121)	
3602597.5	73.00361 (15011107)	89.65165 (17021408)	76.41680
(16010421)	70.75812 (17122124)	70.58429 (16121203)	
3602347.5	55.42222 (15021719)	67.05331 (17120621)	66.82567
(17021408)	57.09115 (17011224)	52.00487 (16121120)	
3602097.5	45.25803 (17021807)	43.51866 (17122024)	57.28000
(15020908)	51.36878 (16121022)	86.13708 (17011224)	
3601847.5	38.57373 (17011319)	37.23434 (16121220)	41.78390
(17120621)	45.65108 (17021408)	42.76096 (16121022)	
3601597.5	33.41650 (16011520)	38.21034 (15022808)	29.95657
(17122024)	38.85493 (17120621)	38.45572 (17021408)	
3601347.5	29.15578 (17123106)	33.14653 (15022808)	25.72930
(16121220)	27.83854 (17120621)	34.49664 (15020908)	
3601097.5	25.73980 (17031208)	24.82485 (16022321)	28.19222
(15022808)	22.75093 (17122024)	29.20099 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CTB2 ***
 INCLUDING SOURCE(S): CTB2 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			
-	-	-	-
-	-	-	-

3606097.5	7.91541 (16092207)	8.68136 (17121809)	7.60792
(17121809)	5.83019 (17032908)		
3605847.5	9.42721 (17121809)	8.31957 (17121809)	6.44869
(17032908)	6.44049 (15082707)		
3605597.5	9.19219 (17121809)	7.16855 (17032908)	6.99192
(15082707)	5.28155 (15082707)		
3605347.5	8.00233 (17032908)	7.38680 (15082707)	4.74233
(15082707)	5.57141 (17122309)		
3605097.5	7.42585 (15082707)	5.59507 (17122309)	9.22812
(17122309)	11.32559 (17122309)		
3604847.5	12.94442 (16082307)	13.37593 (17122309)	19.00505
(16040707)	27.55113 (16040707)		
3604597.5	28.92276 (16040707)	36.71078 (16040707)	32.90620
(16040707)	23.54329 (16040707)		

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3604347.5	28.87784 (16040707)	15.03244 (16040707)	10.51929
(17082707)	10.88013 (17082707)		
3604097.5	15.90918 (16090707)	15.51994 (16090707)	14.58134
(16090707)	13.40216 (16090707)		
3603847.5	17.31402 (17030408)	15.69079 (15062407)	14.50274
(15062407)	13.49908 (15062407)		
3603597.5	22.84736 (16052106)	16.63482 (15061907)	14.85430
(17042907)	12.88793 (17042907)		
3603347.5	36.63169 (15120117)	15.87906 (15122221)	8.06115
(15061907)	8.59819 (15061907)		
3603097.5	32.13479 (15022408)	14.83249 (15022408)	11.63242
(17122709)	10.43031 (17122709)		
3602847.5	110.44286 (15121020)	36.03355 (15022408)	31.29803
(15022408)	19.12867 (15022408)		
3602597.5	64.28816 (15031607)	36.15592 (16040807)	40.03534
(16040807)	29.66770 (15022408)		
3602347.5	58.59058 (15013018)	71.75725 (15031607)	35.50454
(17082901)	67.04135 (16040807)		
3602097.5	96.67653 (17040307)	41.36029 (15013018)	40.20337
(16121203)	37.00442 (17123017)		
3601847.5	70.45186 (17011224)	35.35602 (16121120)	31.98991
(16121018)	31.23774 (16121203)		
3601597.5	36.14974 (15020618)	32.25959 (17011224)	31.61522
(16121120)	27.02794 (17122124)		
3601347.5	30.51520 (17021408)	27.38006 (16010421)	26.92006
(17011224)	26.06154 (16121120)		
3601097.5	28.28696 (17021408)	26.68082 (16121022)	24.20141
(16010421)	24.28693 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: CTB2
 INCLUDING SOURCE(S): CTB2 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	575.15982 (15010408)	
507708.67	3603932.32	171.69771 (15122708)	
506203.59	3603369.23	39.77414 (15012720)	
507919.87	3604794.52	164.72381 (15011121)	
507037.89	3604916.08	71.53390 (17020601)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: DST1 ***

INCLUDING SOURCE(S): DST1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504868.86	505118.86

3606097.5	36.62740 (15020808)	38.87019 (15020808)	37.50495
(16020408)	40.22524 (17010607)	49.62739 (17020308)	
3605847.5	54.30551 (15120108)	48.74014 (15040607)	43.12482
(15020808)	49.44749 (15020808)	47.07073 (16020408)	
3605597.5	39.91602 (15120108)	55.66112 (15120108)	68.51904
(15120108)	69.08101 (15120108)	57.15707 (15020808)	
3605347.5	38.57626 (17032907)	42.13354 (17032907)	42.40729
(17032907)	57.59964 (15120108)	82.98826 (15120108)	
3605097.5	48.72049 (15012708)	48.41441 (15012708)	47.97989
(16122808)	42.95143 (17032907)	53.07850 (17032907)	
3604847.5	48.18469 (16020508)	53.32034 (16020508)	53.78072
(16020508)	60.24141 (15012708)	71.39927 (15012708)	
3604597.5	37.19593 (15022521)	39.12854 (15012202)	43.11284
(15012202)	49.27320 (16022705)	65.03066 (16020508)	
3604347.5	43.58066 (15013008)	46.67381 (15013008)	50.91372
(15013008)	56.00785 (15013008)	62.45105 (15013008)	
3604097.5	49.66686 (17121208)	55.46981 (17121208)	59.22183
(17121208)	65.01662 (17121208)	72.75975 (17121208)	
3603847.5	34.75316 (16010120)	38.43928 (16010120)	43.85938
(16010120)	47.30050 (16010120)	54.21561 (17010904)	
3603597.5	36.61517 (17122908)	41.11416 (17122908)	47.72654
(17122908)	56.22616 (17121708)	62.68413 (17121708)	
3603347.5	36.67583 (17121708)	37.64307 (15120823)	41.05363
(15120823)	44.71741 (15011003)	49.61551 (15021021)	
3603097.5	33.35369 (15021021)	36.18740 (15122019)	38.52485
(17021301)	45.12862 (17122621)	46.65797 (16031807)	
3602847.5	31.99714 (17122621)	35.41808 (15012003)	39.12944
(15010407)	43.19103 (15092907)	52.48530 (15092907)	
3602597.5	35.40059 (15092907)	44.12607 (15092907)	43.19412
(15092907)	41.81814 (17121504)	47.55422 (15011108)	
3602347.5	31.68735 (17121504)	33.84319 (17020321)	38.40591
(15011108)	49.12706 (17092807)	46.13386 (16031707)	
3602097.5	32.48134 (17092807)	44.40134 (17092807)	40.29543
(17092807)	59.08823 (15092707)	68.56642 (15092707)	
3601847.5	36.50128 (17092807)	48.52422 (15092707)	62.05129
(15092707)	49.05420 (15092707)	41.77599 (15032207)	
3601597.5	56.13452 (15092707)	51.13480 (15092707)	35.03231
(15032207)	33.88054 (15032207)	29.05224 (16020522)	
3601347.5	35.58867 (15092707)	31.01223 (15032207)	25.57220
(15032207)	25.60014 (17122921)	28.02480 (17122924)	
3601097.5	26.50499 (15032207)	22.64043 (16020522)	23.17395
(16011423)	25.54533 (15010718)	26.46913 (17020101)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: DST1 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): DST1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 505368.86 505618.86 X-COORD (METERS) 505868.86

506118.86 506368.86

3606097.5 | 54.33593 (17010508) 64.36875 (17040507) 56.78178

(17020108) 59.11548 (17020108) 83.20669 (17013108)

3605847.5 | 54.43973 (16012908) 64.01976 (17020308) 70.59407

(15021008) 63.50457 (17011420) 76.62091 (17020108)

3605597.5 | 64.58215 (15020808) 59.96632 (15011008) 74.93473

(17020308) 84.89104 (17010508) 78.51974 (15120308)

3605347.5 | 93.46433 (15120108) 75.05670 (15120108) 84.68036

(15020808) 79.65880 (15011008) 105.79075 (17020308)

3605097.5 | 58.35170 (17032907) 97.49831 (15120108) 127.60439

(15120108) 113.02836 (15120108) 112.06458 (15020808)

3604847.5 | 62.56106 (15012708) 64.13990 (16122808) 82.94807

(17032907) 94.77784 (15120108) 166.62634 (15120108)

3604597.5 | 70.86096 (16020508) 84.45206 (16020508) 85.96605

(16020508) 104.73501 (15012708) 116.13814 (15012708)

3604347.5 | 68.29351 (15013008) 73.18943 (15013008) 78.53570

(15022521) 77.92323 (15022521) 94.46230 (15012202)

3604097.5 | 82.27918 (17121208) 99.81892 (17121208) 110.84487

(17121208) 110.25589 (17121208) 122.43112 (17121208)

3603847.5 | 62.55031 (17010904) 68.99597 (17010904) 72.31201

(17010904) 83.38260 (16011622) 99.58025 (17122908)

3603597.5 | 70.66198 (17121708) 71.13197 (17121708) 70.49548

(15120823) 81.14036 (15011003) 100.72791 (15021021)

3603347.5 | 54.59408 (15122019) 59.78924 (17021301) 68.50639

(17122621) 82.08440 (15012003) 95.67846 (17012206)

3603097.5 | 51.76815 (15012003) 60.06504 (17012206) 66.50266

(16122906) 79.33815 (17121504) 96.73191 (17121308)

3602847.5 | 50.61157 (17121504) 59.95668 (15011108) 68.76742

(17121308) 84.74242 (16031707) 111.89369 (15092707)

3602597.5 | 55.88728 (17092807) 60.67174 (16031707) 89.32304

(15092707) 74.08264 (15032207) 73.53696 (15032207)

3602347.5 | 73.58186 (15092707) 73.37495 (15092707) 62.19399

(15032207) 50.68928 (16020522) 54.60628 (15010718)

3602097.5 | 48.21537 (15032207) 46.20687 (15032207) 41.76631

(17122921) 45.79000 (15010718) 48.72561 (16032607)

3601847.5 | 33.60469 (16020522) 35.31777 (17122924) 38.39894

(17011023) 41.85169 (16032607) 49.17226 (15010508)

3601597.5 | 31.53645 (17122924) 33.04325 (17011023) 35.91056

(16032607) 42.55482 (15010508) 39.45861 (15123024)

3601347.5 | 29.06627 (17011023) 31.48913 (16032607) 36.63941

(15010508) 34.82167 (16121205) 37.78960 (17011608)

3601097.5 | 28.39202 (16032607) 32.65654 (15010508) 31.49287

(16121205) 33.35640 (15021520) 39.20176 (16052806)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: DST1 ***

INCLUDING SOURCE(S): DST1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 506618.86 506868.86 X-COORD (METERS) 507118.86

507368.86 507618.86

3606097.5 | 139.48707 (16120208) 97.08216 (16120708) 107.45727

(17013021) 174.71338 (15021508) 131.22171 (17021508)

3605847.5 | 99.57992 (17013108) 153.88690 (16120208) 110.82289

(16120708) 184.18763 (15021508) 147.67324 (15121303)

3605597.5 | 98.74383 (17020108) 122.47245 (17013108) 156.43117

(16120208) 163.80803 (16010223) 217.73416 (15021508)

3605347.5 | 111.55200 (15021008) 123.35557 (17020108) 156.19087

(17013108) 159.24978 (16120708) 153.01794 (15120107)

3605097.5 | 112.90194 (16012908) 147.30000 (17010508) 161.53756

(17020108) 213.68285 (17013108) 253.53495 (16120708)

3604847.5 | 182.91811 (15120108) 169.23119 (15020808) 205.70013

(17020308) 250.44405 (15120308) 404.39863 (17013108)

3604597.5 | 135.11854 (17032907) 198.05395 (15120108) 331.42740

(15120108) 304.23570 (16020408) 421.35734 (17010508)

3604347.5 | 131.01077 (16020508) 181.11808 (16020508) 243.46139

(15012708) 309.95115 (15012708) 602.16221 (15120108)

3604097.5 | 146.83710 (17121208) 185.48604 (17121208) 237.27762

(17121208) 282.73475 (17121208) 406.68114 (15013008)

3603847.5 | 119.38415 (17121708) 160.91941 (17121708) 193.64604

(17121708) 224.04937 (15011003) 326.97244 (17122621)

3603597.5 | 113.77136 (17021301) 134.63146 (15012003) 171.71792

(17012206) 220.80491 (15011108) 342.43496 (16031707)

3603347.5 | 114.44657 (16122906) 134.17462 (15011108) 190.97478

(16031707) 215.89026 (15032207) 181.43743 (17011023)

3603097.5 | 122.85437 (16031707) 122.65302 (15032207) 117.90364

(15032207) 126.05409 (17020101) 142.66349 (16121205)

3602847.5 | 104.03751 (15032207) 82.81198 (16011423) 95.33184

(15121802) 106.52866 (15010508) 131.47941 (16052806)

3602597.5 | 66.70602 (17122924) 74.59247 (15121802) 89.98258

(15010508) 91.91988 (16052806) 96.99637 (16021102)

3602347.5 | 59.15306 (15121802) 71.55024 (15010508) 71.16245

(17011608) 80.64435 (15123108) 81.70075 (16011205)

3602097.5 | 57.39539 (15010508) 56.78408 (15021520) 69.76840

(16052806) 67.63521 (16021102) 81.44377 (17012608)

3601847.5 | 46.86418 (15012007) 56.72008 (16052806) 58.13692

(15123108) 57.75719 (15123001) 122.08915 (17020408)

3601597.5 | 42.97228 (17011608) 49.06096 (16052806) 50.28176

(16021102) 55.58249 (15011308) 116.56382 (17020408)

3601347.5 | 45.80736 (16052806) 43.15824 (15123108) 45.27370

(15123001) 78.36991 (17020408) 80.79216 (17020408)

3601097.5 | 39.89653 (15123108) 40.62315 (16021102) 49.19123

(15041007) 102.55683 (17020408) 54.28536 (17111908)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: DST1 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): DST1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS)
508618.86	508868.86		508368.86
3606097.5	72.60648 (16120206)	112.97379 (17022408)	36.23188
(15123009)	33.30651 (16091507)	39.16480 (17032607)	
3605847.5	136.96984 (17070706)	149.95198 (15022305)	92.00070
(16060301)	79.15322 (15010103)	125.66358 (16031023)	
3605597.5	195.44472 (17021508)	184.37204 (16120908)	149.49275
(15121702)	175.60757 (17032607)	185.78688 (16121520)	
3605347.5	152.81705 (17010724)	250.57920 (16120908)	131.64139
(16060301)	115.70128 (17032607)	216.81491 (15021924)	
3605097.5	279.84787 (15021508)	263.85719 (17070706)	63.37948
(16112208)	128.46304 (17032607)	55.62277 (16111708)	
3604847.5	391.60887 (15011206)	363.54190 (16020419)	144.60117
(15123009)	78.60714 (17032607)	46.14340 (17020109)	
3604597.5	663.94858 (17013108)	480.42675 (15021508)	167.85273
(15123009)	61.52636 (17042501)	68.23096 (16092207)	
3604347.5	715.50552 (16020408)	1380.50710 (17013108)	706.13479
(15081703)	303.68530 (17012307)	93.67508 (17100708)	
3604097.5	772.78870 (15013008)	1589.06418 (16020508)	11840.97135
(15021008)	2861.68914 (17122021)	734.70079 (16020303)	
3603847.5	549.54509 (16122906)	1004.05267 (15032207)	1958.91689
(17122108)	2010.40920 (17040307)	523.70619 (15011301)	
3603597.5	337.37478 (17122924)	514.07070 (16052806)	724.61175
(15011408)	514.53135 (15031822)	105.39792 (15122717)	
3603347.5	233.90826 (15021520)	301.00433 (15011308)	476.59265
(15120608)	499.35598 (17010608)	126.77085 (16123017)	
3603097.5	181.78190 (15123108)	248.08631 (17020408)	311.17864
(15120608)	283.77187 (17010222)	339.83763 (15121508)	
3602847.5	133.18364 (16011205)	147.95198 (17021124)	215.09272
(15120608)	180.39851 (17062106)	163.05098 (16011722)	
3602597.5	156.27032 (17020408)	111.31348 (15120607)	167.90881
(15120608)	138.56364 (17062106)	146.42457 (17010608)	
3602347.5	155.36020 (17020408)	91.79886 (17120701)	129.85743
(15120608)	112.63599 (15062406)	112.24832 (17010608)	
3602097.5	92.43027 (17020408)	85.10789 (16012208)	103.22295
(15120608)	94.68467 (15062406)	84.08697 (16121020)	
3601847.5	66.03845 (17111908)	74.72693 (16012208)	87.28594
(15120608)	84.81412 (17010308)	71.05998 (17010222)	
3601597.5	55.56951 (16120822)	66.90785 (15011408)	72.53725
(15120608)	75.43394 (17010308)	63.34411 (15021701)	
3601347.5	49.56160 (15021703)	61.14373 (15011408)	63.56901
(15120608)	66.84700 (17010308)	59.64647 (17062106)	
3601097.5	44.60754 (15021703)	55.69028 (15011408)	55.84297
(15120608)	59.80736 (17010308)	55.15309 (17062106)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: DST1 ***

INCLUDING SOURCE(S): DST1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS)
509868.86	510118.86		509618.86
3606097.5	12.13805 (15042507)	41.00183 (16111708)	23.83782
(17020109)	10.27052 (17020109)	16.41529 (17121809)	
3605847.5	23.84071 (16083007)	130.21968 (16120518)	17.80965
(17020109)	16.56449 (16092207)	26.84763 (17121809)	
3605597.5	126.42319 (17060105)	109.98234 (16120223)	73.66446
(16100221)	60.00000 (17121809)	17.62151 (17012609)	
3605347.5	161.76861 (16120518)	175.70405 (16072606)	143.90415
(17040402)	39.69231 (17012609)	17.67627 (17032908)	
3605097.5	30.15767 (15022224)	38.96548 (17121809)	45.37502
(17012609)	94.88965 (15081905)	22.47856 (15112909)	
3604847.5	45.15931 (17121809)	32.06519 (17032908)	21.00654
(17100708)	22.82149 (17100708)	39.49475 (17032608)	
3604597.5	38.26847 (17032908)	31.22880 (17100708)	55.78591
(17032608)	92.24138 (16040707)	61.03335 (16040707)	
3604347.5	118.26083 (16040707)	90.41371 (16040707)	25.73519
(17082707)	33.00381 (17082707)	31.89364 (17082707)	
3604097.5	122.46067 (17030408)	102.86230 (17030408)	56.14008
(17030408)	42.54293 (17030408)	35.07271 (17030408)	
3603847.5	254.89605 (15091922)	107.43863 (17012318)	42.34287
(15020117)	45.95812 (15061907)	38.35845 (15061907)	
3603597.5	130.71669 (16111408)	123.17885 (16040807)	60.88498
(17122709)	40.31791 (17122709)	33.04020 (17122709)	
3603347.5	47.44949 (15122717)	114.57912 (16041107)	222.75010
(17011308)	90.19542 (16040807)	143.85527 (15022408)	
3603097.5	71.85718 (17101224)	269.33093 (17040307)	202.27745
(16011523)	219.38710 (15031607)	170.53988 (16040807)	
3602847.5	221.12708 (15121506)	162.14428 (15021604)	162.45076
(17040307)	145.95916 (16011523)	123.06710 (15031607)	
3602597.5	168.86274 (15121508)	138.98301 (15020908)	126.54432
(17022803)	133.52986 (17040307)	126.53691 (17040307)	
3602347.5	97.86474 (15121508)	91.62311 (17011123)	142.03823
(17021408)	90.51364 (17022803)	102.01895 (17040307)	
3602097.5	80.40676 (15011204)	106.22434 (15121508)	93.73376
(16010602)	102.10771 (17021408)	109.71647 (16010421)	
3601847.5	81.22329 (17010608)	79.83789 (15121508)	67.80518
(17011123)	79.68532 (15020908)	77.96985 (17011302)	
3601597.5	75.47829 (17010608)	61.22416 (15022808)	74.28026
(15121508)	65.29857 (16010602)	82.38394 (17021408)	
3601347.5	58.54871 (17010608)	58.47466 (15022808)	62.28631
(15121508)	50.82580 (17011123)	57.64047 (15011919)	
3601097.5	49.79546 (16121020)	51.70822 (17010608)	45.42378
(16011102)	58.13463 (15121508)	48.37277 (16010602)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: DST1 ***

Otay Hills Quarry AERMOD Output File (HRA)

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INCLUDING SOURCE(S):      DST1      ,
*** NETWORK ID: UCART1    ; NETWORK TYPE:
GRIDCART ***
**
** CONC OF TAC      IN MICROGRAMS/M**3
Y-COORD (METERS) | 510368.86      510618.86      X-COORD (METERS)
511118.86
-----
3606097.5 | 24.29650 (17121809)      14.21873 (17012609)      16.46788
(17032908) | 12.21045 (15082707)
3605847.5 | 15.81880 (17012609)      17.60214 (17032908)      11.71652
(15082707) | 10.45716 (17100708)
3605597.5 | 18.17531 (17032908)      9.74314 (15082707)      14.10180
(17100708) | 14.96608 (17100708)
3605347.5 | 13.84717 (17100708)      17.10303 (17100708)      17.47562
(17122309) | 25.17435 (17122309)
3605097.5 | 19.96376 (17122309)      29.61925 (17122309)      28.86829
(16091707) | 53.41435 (16040707)
3604847.5 | 51.77708 (16040707)      70.71572 (16040707)      46.47004
(16040707) | 18.76801 (16040707)
3604597.5 | 21.35514 (17090407)      26.69113 (17082707)      20.07990
(17032307) | 20.76527 (17082707)
3604347.5 | 26.93342 (16090707)      27.81330 (16090707)      26.35195
(16090707) | 23.61979 (16090707)
3604097.5 | 30.64023 (17030408)      27.53215 (17030408)      25.18257
(17030408) | 23.15232 (17030408)
3603847.5 | 29.12567 (15061907)      23.08623 (17042907)      20.89356
(17042907) | 18.42943 (17042907)
3603597.5 | 30.02764 (17082908)      19.61012 (17062607)      17.30024
(17062607) | 14.71443 (17062607)
3603347.5 | 75.01978 (15111922)      29.34990 (17122709)      27.44908
(17122709) | 21.44980 (17122709)
3603097.5 | 72.36184 (16040807)      66.83213 (15022408)      32.51092
(15022408) | 19.68962 (17122709)
3602847.5 | 150.24673 (17011308)      78.35075 (16040807)      60.60705
(16040807) | 58.29374 (15022408)
3602597.5 | 106.00199 (17010220)      21.61017 (15012409)      34.87668
(16040807) | 71.25722 (16040807)
3602347.5 | 114.26793 (17040307)      106.99979 (16122817)      71.99825
(15011223) | 82.48336 (16120121)
3602097.5 | 113.75732 (17012905)      93.54562 (17040307)      72.84286
(16011523) | 62.98888 (17010220)
3601847.5 | 97.57571 (15011201)      68.46039 (17040307)      78.50338
(17040307) | 57.63829 (16011523)
3601597.5 | 68.25067 (15021604)      58.44036 (15011201)      61.21365
(17040307) | 66.52015 (17040307)
3601347.5 | 70.20173 (17021408)      49.24749 (17022803)      49.50872
(15011201) | 50.94668 (17040307)
3601097.5 | 51.14338 (15020908)      52.20631 (17021408)      42.32319
(17022803) | 45.91239 (15011201)
*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: DST1 ***
```

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INCLUDING SOURCE(S):      DST1      ,
*** DISCRETE CARTESIAN RECEPTOR
POINTS ***
**
** CONC OF TAC      IN MICROGRAMS/M**3
X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD
(M) Y-COORD (M) CONC (YYMMDDHH)
-----
508226.78 3603955.63 2271.07128 (16031707)
507708.67 3603932.32 460.70046 (17121708)
506203.59 3603369.23 86.41653 (15012003)
507919.87 3604794.52 373.37218 (17010802)
507037.89 3604916.08 193.81571 (17020308)
*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0001590 , L0001591
, L0001592 , L0001593 , L0001594 ,
, L0001595 , L0001596 , L0001597 , L0001598 , L0001599
, L0001600 , L0001601 , L0001602 ,
, L0001603 , L0001604 , L0001605 , L0001606 , L0001607
, L0001608 , L0001609 , L0001610 ,
, L0001611 , L0001612 , L0001613 , L0001614 , L0001615
, L0001616 , L0001617 , . . . ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
**
** CONC OF TAC      IN MICROGRAMS/M**3
Y-COORD (METERS) | 504118.86      504368.86      X-COORD (METERS)
504868.86      505118.86
-----
3606097.5 | 8.07206 (17040507)      8.88788 (16120208)      12.95892
(16120208) | 15.50708 (16120208)      15.73886 (16120208)
3605847.5 | 9.40513 (17040507)      9.00842 (17040507)      10.39684
(16120208) | 15.57471 (16120208)      17.65044 (16120208)
3605597.5 | 10.34262 (15040607)      10.87506 (15040607)      11.22131
(15040607) | 13.07151 (16120208)      17.80437 (16120208)
3605347.5 | 11.00025 (15040607)      10.88421 (15040607)      11.04596
(15040607) | 11.59567 (15040607)      13.88696 (16120208)
3605097.5 | 10.96134 (15040607)      11.98313 (17020308)      12.14740
(17020308) | 11.51758 (17012508)      11.64143 (17012508)
3604847.5 | 12.95698 (15040607)      12.07083 (15040607)      12.56847
(15040307) | 13.09345 (17020308)      15.62640 (16122808)
3604597.5 | 12.83538 (15040607)      14.07748 (15040607)      14.04165
(15040607) | 15.07366 (16020408)      18.32068 (17020308)
3604347.5 | 12.63872 (17012508)      13.27304 (17012508)      13.81501
(17011708) | 15.91267 (15040607)      18.27512 (15121608)
3604097.5 | 13.62045 (15040307)      15.11565 (16122808)      16.05197
(16122808) | 17.66646 (17012508)      18.98263 (17012508)
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Otay Hills Quarry AERMOD Output File (HRA)

3603847.5	13.13295 (16011421)	14.91714 (17020524)	17.76348
(16020401)	19.30249 (15020702)	23.25679 (16011108)	
3603597.5	14.75041 (17011708)	16.25260 (17011708)	18.86527
(17011708)	20.97064 (16120722)	23.16221 (16120722)	
3603347.5	14.81246 (17122608)	16.82586 (17122608)	19.42096
(17122608)	21.96691 (17122608)	25.46178 (17122608)	
3603097.5	13.77402 (17122908)	15.57012 (17122908)	17.72508
(17122908)	22.01930 (17122908)	23.99413 (17122908)	
3602847.5	14.01749 (17011719)	15.58398 (15012720)	18.11004
(16021602)	19.51209 (16021602)	22.29124 (16021621)	
3602597.5	15.40309 (15092907)	16.28647 (15092907)	18.13041
(15092907)	20.11912 (15092907)	22.99425 (17121221)	
3602347.5	17.70206 (15092907)	17.98052 (15092907)	20.31818
(17092807)	25.45396 (15092707)	32.09577 (15092707)	
3602097.5	19.44375 (17092807)	22.54321 (15092707)	28.41124
(15092707)	30.71893 (15092707)	27.91758 (15092707)	
3601847.5	25.38114 (15092707)	28.32388 (15092707)	26.61516
(15092707)	20.46664 (15092707)	16.82871 (15022607)	
3601597.5	25.78723 (15092707)	21.37389 (15092707)	14.08881
(15092707)	14.47927 (15121422)	15.69965 (17021905)	
3601347.5	15.87523 (15092707)	12.02417 (15022607)	13.04282
(15121422)	13.83045 (17021905)	14.60000 (17121505)	
3601097.5	10.96300 (15022607)	11.75437 (15121422)	12.49587
(16121224)	13.22189 (17121505)	13.87430 (15013101)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: HAUL		*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
		INCLUDING SOURCE(S):
, L0001592	, L0001593	, L0001594
	L0001595	, L0001596
, L0001600	, L0001601	, L0001602
	L0001603	, L0001604
, L0001608	, L0001609	, L0001610
	L0001611	, L0001612
, L0001616	, L0001617	, . . .

*** NETWORK ID: UCART1 ; NETWORK TYPE:

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

Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86
	505618.86
	505868.86

3606097.5	18.87372 (16120208)	20.15633 (16120208)	18.86318
(16120208)	16.41299 (15021508)	19.96607 (15021508)	
3605847.5	18.61924 (16120208)	19.85802 (16120208)	21.26781
(16120208)	17.88275 (16120208)	18.37127 (15021508)	
3605597.5	19.06702 (16120208)	20.10030 (16120208)	22.05888
(16120208)	23.30931 (16120208)	18.92327 (15021508)	
3605347.5	18.83279 (16120208)	19.96637 (16120208)	21.78195
(16120208)	23.34652 (16120208)	24.31835 (16120208)	
3605097.5	13.78391 (16120208)	19.90837 (16120208)	20.95500
(16120208)	22.57827 (16120208)	24.26063 (16120208)	

3604847.5	14.23204 (16122808)	15.80758 (17012508)	19.99380
(16120208)	20.84173 (16120208)	24.03741 (15121608)	
3604597.5	15.77725 (16020401)	17.55565 (16020401)	18.56999
(16122808)	22.70539 (16122808)	26.86461 (17012508)	
3604347.5	20.22322 (16012908)	23.10858 (17020308)	24.75469
(16120722)	23.39884 (16120722)	29.84051 (16011421)	
3604097.5	20.92300 (17122608)	25.86325 (17122608)	29.56202
(17122608)	29.34061 (17122608)	33.06622 (17122608)	
3603847.5	28.27602 (16122808)	31.30245 (17012508)	29.74468
(15021420)	34.30178 (16020408)	34.10960 (17011719)	
3603597.5	28.31574 (16011421)	31.63719 (17020524)	36.77480
(16020401)	47.89260 (16122808)	61.76025 (17012508)	
3603347.5	30.20500 (17122608)	36.95121 (17122608)	47.04440
(17122608)	69.17826 (17122608)	107.20235 (17122608)	
3603097.5	27.11180 (16010308)	34.01530 (17011719)	40.21711
(16021602)	54.20830 (16021621)	66.12768 (16021406)	
3602847.5	25.39686 (17120906)	31.63695 (16021406)	37.63685
(17121308)	47.42825 (16021107)	47.89901 (16021107)	
3602597.5	29.83603 (15092707)	37.58385 (15092707)	36.62984
(15092707)	32.49769 (16021922)	35.17734 (16020706)	
3602347.5	34.58812 (15092707)	29.29212 (15092707)	26.39950
(16021922)	28.52987 (16020706)	29.34779 (16011601)	
3602097.5	19.50776 (15092707)	21.61207 (16022207)	23.52666
(16020706)	24.28060 (16011601)	25.35231 (17011608)	
3601847.5	18.21065 (17021905)	19.43794 (16020706)	20.54370
(15120324)	21.48627 (17022221)	22.09235 (17120918)	
3601597.5	16.55619 (17121505)	17.46815 (16020219)	18.19099
(17022221)	19.07344 (17122820)	20.72090 (17022103)	
3601347.5	15.41100 (16020219)	15.94750 (17010801)	16.60503
(16011202)	16.92954 (17022222)	18.48683 (16011119)	
3601097.5	14.53218 (17010801)	14.87929 (16122704)	15.47417
(17120918)	16.95001 (17040807)	20.74237 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: HAUL		*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
		INCLUDING SOURCE(S):
, L0001592	, L0001593	, L0001594
	L0001595	, L0001596
, L0001600	, L0001601	, L0001602
	L0001603	, L0001604
, L0001608	, L0001609	, L0001610
	L0001611	, L0001612
, L0001616	, L0001617	, . . .

*** NETWORK ID: UCART1 ; NETWORK TYPE:

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

Y-COORD (METERS)	X-COORD (METERS)
507368.86	506618.86
	507618.86
	507118.86

3606097.5	20.49605 (17021508)	22.40650 (17021508)	34.40387
(16120908)	29.94488 (16020207)	30.93296 (15100707)	

Otay Hills Quarry AERMOD Output File (HRA)

3605847.5	19.75160 (15021508)	26.38829 (17021508)	20.31950
(16121101)	27.93215 (16051624)	28.81930 (15100707)	
3605597.5	20.18229 (15021508)	21.85639 (17021508)	21.57221
(16021807)	34.54750 (17011402)	27.99286 (15100707)	
3605347.5	26.29374 (15021508)	21.00885 (15021508)	21.90451
(17021508)	25.12324 (16120106)	35.07252 (15010907)	
3605097.5	25.61124 (16120208)	31.88485 (15021508)	35.21172
(17021508)	35.60714 (16121101)	51.04629 (15010907)	
3604847.5	27.19217 (17020308)	31.00264 (16120708)	34.31191
(15021508)	75.24413 (16120908)	82.54016 (15100707)	
3604597.5	31.95152 (17012508)	37.20810 (15121608)	41.73240
(16120708)	81.16784 (16120908)	105.12071 (15100707)	
3604347.5	35.06290 (17020524)	43.16198 (16020508)	60.95434
(16122808)	77.74820 (16012808)	224.88420 (15010907)	
3604097.5	42.17430 (17122608)	59.72065 (17122608)	88.01710
(17122608)	143.08089 (17122908)	345.29364 (17120924)	
3603847.5	37.19174 (16021602)	47.77442 (16021621)	57.71616
(17121221)	83.56729 (17121308)	331.11242 (17120924)	
3603597.5	60.93835 (17020308)	58.13702 (17013108)	67.95061
(17013108)	80.47908 (15120108)	294.52407 (16122307)	
3603347.5	217.06152 (17122608)	531.95491 (17011708)	452.60354
(17011708)	406.86658 (16120224)	396.31411 (16120224)	
3603097.5	75.62437 (17121308)	74.78694 (17121308)	72.52589
(17011608)	94.66266 (15121901)	122.75514 (17122205)	
3602847.5	44.57345 (16020706)	48.57168 (17011608)	58.11412
(17022103)	65.89035 (16021123)	67.35550 (16120423)	
3602597.5	36.20251 (16011601)	39.99478 (17120918)	52.32214
(17020408)	47.15414 (15011724)	48.46023 (15121123)	
3602347.5	30.94651 (17011608)	35.28670 (16011119)	52.39638
(17020408)	36.46642 (17121323)	36.91896 (15121123)	
3602097.5	26.39894 (17022103)	34.05928 (17020408)	42.51895
(17020408)	28.58882 (15011007)	29.91323 (15121123)	
3601847.5	24.12544 (16011119)	40.07221 (17020408)	30.88294
(17020408)	23.37229 (16122020)	24.99822 (15121123)	
3601597.5	25.53849 (17020408)	39.62192 (17020408)	21.80929
(17020408)	20.02145 (15010823)	21.57088 (15121123)	
3601347.5	30.99263 (17020408)	34.68923 (17020408)	18.48820
(15011724)	17.83750 (16012923)	18.97927 (15121123)	
3601097.5	34.17848 (17020408)	28.21463 (17020408)	16.34501
(15022601)	15.98088 (16012923)	17.15366 (15121123)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP:	HAUL	*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
		INCLUDING SOURCE(S):
, L0001592	, L0001593	, L0001594
	, L0001595	, L0001596
, L0001600	, L0001601	, L0001602
	, L0001603	, L0001604
, L0001608	, L0001609	, L0001610
	, L0001611	, L0001612
, L0001616	, L0001617	, . . .

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
- - - - -	- - - - -	- - - - -	- - - - -
3606097.5	20.36974 (17032607)	16.44373 (17032607)	7.78847
(16083007)	8.87788 (16083007)	11.28690 (16083007)	
3605847.5	24.04661 (17032607)	34.75188 (16031023)	11.05552
(16083007)	14.59476 (16111708)	14.93744 (16100201)	
3605597.5	27.27926 (17032607)	58.00515 (16121520)	36.31158
(15033023)	47.01056 (17032207)	27.09290 (16100201)	
3605347.5	53.70305 (17032607)	52.39994 (16120120)	16.08742
(16111708)	15.03573 (17020109)	30.66897 (16072606)	
3605097.5	79.36441 (17120924)	27.54953 (16111605)	13.26477
(16083007)	8.86577 (17121809)	11.97984 (16092207)	
3604847.5	42.53529 (17032607)	31.29146 (16111605)	15.74439
(17020109)	11.05537 (17121809)	9.16214 (17121809)	
3604597.5	75.59242 (15021924)	19.65941 (17121809)	15.16812
(16092207)	10.04499 (17121809)	13.73688 (17032608)	
3604347.5	121.26885 (16011603)	109.84248 (15012220)	43.61115
(16040707)	31.45430 (16040707)	23.69123 (16040707)	
3604097.5	163.77019 (15060206)	198.05835 (16121201)	200.85696
(16121202)	164.61879 (16121202)	62.86994 (15081723)	
3603847.5	91.03289 (15012220)	65.26277 (16010423)	60.06845
(17020924)	54.37914 (17011308)	32.07752 (17072903)	
3603597.5	99.49668 (16010423)	74.96575 (17122021)	62.83710
(17122021)	23.52662 (15090401)	16.75921 (16090707)	
3603347.5	200.72375 (15022806)	104.55473 (15022806)	95.94262
(15022806)	75.61894 (16120224)	19.41808 (15062407)	
3603097.5	62.87538 (17021020)	61.01643 (16121123)	64.12375
(17120919)	61.35529 (17022601)	54.09473 (16121202)	
3602847.5	39.19108 (17122718)	35.33721 (15121020)	36.45207
(15022202)	33.81097 (17021020)	35.47728 (15121507)	
3602597.5	35.34555 (15011921)	26.75931 (17021408)	25.52434
(17021408)	24.89662 (16040807)	24.74735 (16121122)	
3602347.5	29.38335 (15020321)	22.13453 (17021104)	22.45283
(17021408)	19.45590 (17021408)	19.56785 (16040807)	
3602097.5	24.91396 (16121418)	20.25852 (15021419)	17.80775
(15121506)	18.25388 (17021408)	15.53240 (17021408)	
3601847.5	21.68940 (15021622)	18.47635 (17011319)	15.77057
(16121220)	15.72107 (17120621)	15.55810 (17021408)	
3601597.5	19.35519 (15121602)	17.06840 (15011921)	15.28123
(15022808)	13.30441 (15121506)	14.90721 (17021408)	
3601347.5	18.44535 (16112308)	15.65678 (15010918)	14.39482
(15022808)	12.02683 (16121220)	13.41710 (17120621)	
3601097.5	17.13344 (16112308)	14.66312 (15020321)	13.44754
(16022321)	13.35549 (15022808)	11.10651 (15121506)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP:	HAUL	*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
		INCLUDING SOURCE(S):
, L0001592	, L0001593	, L0001594
	, L0001595	, L0001596
, L0001600	, L0001601	, L0001602
	, L0001603	, L0001604
, L0001608	, L0001609	, L0001610
	, L0001611	, L0001612
, L0001616	, L0001617	, . . .

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) | 509118.86 509368.86 509618.86
509868.86 510118.86
-----
3606097.5 | 6.18716 (17020109) 11.44787 (16092207) 7.79725
(17121809) 8.17552 (17121809) 6.28024 (17121809)
3605847.5 | 10.52856 (16092207) 23.88792 (16021524) 8.69975
(17121809) 6.69514 (17121809) 6.31272 (17032908)
3605597.5 | 18.35758 (16100201) 23.15642 (17040402) 15.59447
(17090523) 12.40607 (15082707) 5.79447 (15082707)
3605347.5 | 28.28805 (17040402) 27.78543 (17090523) 27.61008
(17071906) 8.96731 (15110508) 4.90422 (17122309)
3605097.5 | 8.38242 (17121809) 7.13394 (17032908) 8.79337
(15110508) 15.66423 (17110207) 9.44163 (16040707)
3604847.5 | 7.25738 (17032908) 8.61796 (17122309) 13.99714
(16040707) 18.27482 (16040707) 18.40887 (16040707)
3604597.5 | 19.87624 (16040707) 21.39649 (16040707) 17.34000
(16040707) 13.83380 (16040707) 13.59319 (16040707)
3604347.5 | 15.51211 (17082707) 14.94225 (17082707) 14.76323
(16040707) 16.05333 (16040707) 14.56808 (16040707)
3604097.5 | 23.74264 (15062407) 17.33342 (16040707) 13.15870
(16040707) 8.94121 (15062407) 8.28648 (15062407)
3603847.5 | 23.72354 (15091922) 13.07841 (17082707) 6.94115
(15061907) 7.10571 (15061907) 6.53927 (15061907)
3603597.5 | 15.30258 (16040807) 13.03770 (15022408) 9.02581
(16090707) 6.86258 (17091507) 6.23972 (17082908)
3603347.5 | 11.55020 (16040807) 14.04665 (16040807) 26.06332
(16040807) 12.19098 (15022408) 17.15419 (15022408)
3603097.5 | 10.82472 (16041107) 27.75796 (15041924) 31.68290
(15041924) 25.32510 (16040807) 25.66974 (16040807)
3602847.5 | 29.53994 (16012801) 29.84768 (15011222) 27.79942
(17120919) 27.00061 (15012020) 29.51040 (17022601)
3602597.5 | 26.78352 (15022202) 22.83480 (17021020) 24.39473
(15121507) 22.86238 (16121123) 26.30862 (16121123)
3602347.5 | 23.92949 (16040807) 23.14828 (16040807) 21.95405
(15022408) 17.97648 (17022805) 18.63570 (17022806)
3602097.5 | 13.75701 (16122817) 19.94462 (16040807) 23.67192
(16040807) 22.38310 (16040807) 22.06361 (15022408)
3601847.5 | 13.68513 (17021408) 13.41883 (16122817) 13.64385
(16040807) 18.42809 (16040807) 23.35742 (16040807)
3601597.5 | 14.23800 (17021408) 11.90331 (17021408) 11.67766
(16122817) 10.93920 (16122817) 13.52780 (16040807)
3601347.5 | 13.71828 (17021408) 12.64579 (17021408) 9.91227
(17021919) 10.65050 (16122817) 10.57793 (16122817)
3601097.5 | 12.28928 (17120621) 12.54293 (17021408) 10.43698
(17021408) 9.78341 (17021919) 9.61009 (15013119)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HAUL ***
INCLUDING SOURCE(S): L0001590 , L0001591
, L0001592 , L0001593 , L0001594 ,

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L0001595 , L0001596 , L0001597 , L0001598 , L0001599
, L0001600 , L0001601 , L0001602 , L0001603 , L0001604 , L0001605 , L0001606 , L0001607
, L0001608 , L0001609 , L0001610 , L0001611 , L0001612 , L0001613 , L0001614 , L0001615
, L0001616 , L0001617 , . . . ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) | 510368.86 510618.86 510868.86
511118.86
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3606097.5 | 5.96171 (17032908) 5.58694 (15082707) 4.73510
(15082707) 3.23466 (15082707)
3605847.5 | 5.75707 (15082707) 4.48374 (15082707) 2.78573
(15082707) 4.37332 (17122309)
3605597.5 | 4.08968 (15082707) 4.61976 (17122309) 6.40124
(17122309) 7.58434 (17122309)
3605347.5 | 6.98157 (17122309) 8.24397 (17122309) 10.48728
(16040707) 13.81759 (16040707)
3605097.5 | 14.16191 (16040707) 16.65771 (16040707) 16.63774
(16040707) 15.50238 (16040707)
3604847.5 | 16.15875 (16040707) 14.47701 (16040707) 14.08559
(16040707) 13.93422 (16040707)
3604597.5 | 14.52256 (16040707) 14.38902 (16040707) 12.51622
(16040707) 9.54056 (16040707)
3604347.5 | 11.02582 (16040707) 7.13676 (16040707) 5.86326
(16090707) 5.48531 (16090707)
3604097.5 | 7.73453 (15062407) 7.26308 (15062407) 6.85564
(15062407) 6.49989 (15062407)
3603847.5 | 5.97542 (16090707) 5.97028 (16090707) 5.83113
(16090707) 5.59286 (16090707)
3603597.5 | 5.89493 (17082908) 5.51428 (17030408) 5.41165
(17030408) 5.29739 (17030408)
3603347.5 | 12.21003 (15062407) 6.38112 (15062407) 6.13744
(15062407) 5.92080 (15062407)
3603097.5 | 11.38465 (15022408) 9.29978 (15022408) 5.62294
(15022408) 4.73053 (17122709)
3602847.5 | 23.11022 (16040807) 11.58791 (16040807) 10.65081
(15022408) 9.27996 (15022408)
3602597.5 | 11.55469 (15011223) 11.61236 (16040807) 12.27139
(16040807) 10.52721 (16040807)
3602347.5 | 21.91796 (15011501) 13.08094 (15031607) 10.07234
(16040807) 13.22288 (16040807)
3602097.5 | 19.31083 (15022408) 16.98575 (16040807) 17.80527
(16040807) 18.96233 (16040807)
3601847.5 | 23.00492 (16040807) 19.12270 (16040807) 17.44996
(15022408) 15.99124 (15022408)
3601597.5 | 21.22530 (16040807) 19.69808 (16040807) 21.54859
(16040807) 16.47862 (16040807)
3601347.5 | 9.53717 (17022804) 12.15670 (16040807) 16.41676
(16040807) 19.47810 (16040807)
3601097.5 | 8.39488 (16122817) 9.02679 (16122817) 8.23320
(16040807) 13.76123 (16040807)

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HAUL ***
 INCLUDING SOURCE(S): L0001590 , L0001591
 , L0001592 , L0001593 , L0001594 ,
 L0001595 , L0001596 , L0001597 , L0001598 , L0001599
 , L0001600 , L0001601 , L0001602 ,
 L0001603 , L0001604 , L0001605 , L0001606 , L0001607
 , L0001608 , L0001609 , L0001610 ,
 L0001611 , L0001612 , L0001613 , L0001614 , L0001615
 , L0001616 , L0001617 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	78.72627 (17022805)	
507708.67	3603932.32	131.98249 (16120518)	
506203.59	3603369.23	75.19801 (17122608)	
507919.87	3604794.52	29.31814 (16090705)	
507037.89	3604916.08	34.49175 (15021508)	

*** AERMOD - VERSION 18081 ***
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 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HMA1 ***
 INCLUDING SOURCE(S): HMA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***
 ** CONC OF TAC IN MICROGRAMS/M**3
 **

Y-COORD (METERS)	X-COORD (METERS)
504868.86	504118.86
	505118.86
	504368.86
	504618.86

3606097.5	2.55969 (15071922)	2.59591 (17090106)	2.69895
(16042007)	3.36712 (17040507)	3.88933 (17040507)	
3605847.5	2.57235 (17120303)	2.50585 (16112503)	2.57026
(17111308)	3.00367 (16042007)	3.42281 (17040507)	
3605597.5	2.56859 (15101122)	2.68634 (17122409)	2.88960
(17122409)	2.93307 (17122409)	3.10241 (17111308)	
3605347.5	2.80390 (15040307)	2.71364 (17090707)	2.75339
(17122409)	2.91519 (17122409)	3.32266 (17122409)	
3605097.5	3.63404 (15040307)	3.59989 (15040307)	3.46569
(15040307)	3.04432 (15040307)	3.00045 (17122409)	
3604847.5	3.84133 (15040307)	3.99750 (15040307)	4.02153
(15040307)	4.05453 (15040307)	4.25913 (15040307)	

3604597.5	3.59335 (17092707)	3.70665 (17092707)	3.86865
(15040307)	4.26309 (15040307)	4.73031 (15040307)	
3604347.5	3.92121 (16040507)	4.04698 (16040507)	4.22241
(16040507)	4.42653 (16040507)	4.66956 (16040507)	
3604097.5	3.47723 (16040507)	3.74577 (16040507)	3.90690
(16040507)	4.12868 (16040507)	4.39868 (16040507)	
3603847.5	3.30635 (17021608)	3.45667 (17021608)	3.69043
(17021608)	3.77718 (17021608)	3.99233 (17021608)	
3603597.5	3.06104 (15021808)	3.18536 (15021808)	3.37869
(15021808)	3.51818 (15021808)	3.59732 (15021808)	
3603347.5	2.85304 (15021808)	2.88751 (15021808)	2.90374
(15021808)	2.85718 (15021808)	2.78482 (15021808)	
3603097.5	2.50626 (15111907)	2.51400 (15111224)	2.57844
(16093005)	2.58382 (16093005)	2.80955 (15092907)	
3602847.5	2.47184 (15102923)	2.65179 (15092907)	3.04429
(15092907)	3.36662 (15092907)	3.68261 (15092907)	
3602597.5	3.02173 (15092907)	3.28897 (15092907)	3.57049
(15092907)	3.74654 (15092907)	3.83071 (15092907)	
3602347.5	3.30913 (15092907)	3.40844 (15092907)	3.42388
(15092907)	3.59045 (17092807)	3.96659 (17092807)	
3602097.5	3.09287 (15092907)	3.37779 (17092807)	3.64896
(17092807)	3.78907 (17092807)	4.03345 (15092707)	
3601847.5	3.38075 (17092807)	3.49824 (17092807)	3.64578
(15092707)	3.89151 (15092707)	4.00116 (15092707)	
3601597.5	3.36263 (15092707)	3.59879 (15092707)	3.69644
(15092707)	3.63894 (15092707)	3.37133 (15092707)	
3601347.5	3.46425 (15092707)	3.45910 (15092707)	3.30115
(15092707)	2.97816 (15092707)	2.66145 (17102519)	
3601097.5	3.19980 (15092707)	2.97935 (15092707)	2.63942
(15092707)	2.57589 (17102519)	2.60086 (16092705)	

*** AERMOD - VERSION 18081 ***
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 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HMA1 ***
 INCLUDING SOURCE(S): HMA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***
 ** CONC OF TAC IN MICROGRAMS/M**3
 **

Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86
	505618.86
	506368.86

3606097.5	4.62644 (17040507)	4.80355 (17040507)	4.35063
(17040507)	3.31739 (17040507)	4.00911 (16022608)	
3605847.5	4.22023 (17040507)	4.87616 (17040507)	5.25187
(17040507)	4.63112 (17040507)	3.72625 (17040507)	
3605597.5	3.52469 (16042007)	4.19342 (17040507)	5.14818
(17040507)	5.76728 (17040507)	5.20332 (17040507)	
3605347.5	3.37620 (17122409)	3.52303 (17111308)	4.06224
(16042007)	5.13171 (17040507)	6.07280 (17040507)	
3605097.5	3.38147 (17122409)	3.88775 (17122409)	3.95250
(17122409)	4.06460 (17111308)	4.79392 (17040507)	
3604847.5	3.76523 (15040307)	3.50385 (15040307)	4.01322
(17122409)	4.43193 (17122409)	4.66543 (17122409)	

Otay Hills Quarry AERMOD Output File (HRA)

3604597.5	4.52328 (15040307)	4.72042 (15040307)	4.47932
(15040307)	4.50581 (15040307)	4.35698 (17122409)	
3604347.5	4.87094 (16040507)	4.99825 (16040507)	4.86661
(16040507)	4.60686 (15040307)	4.83950 (15040307)	
3604097.5	4.70462 (16040507)	5.22467 (16040507)	5.43490
(16040507)	5.02981 (16040507)	4.66753 (16040507)	
3603847.5	4.21324 (17021608)	4.26775 (17021608)	4.34772
(15090707)	4.64140 (15090707)	4.87899 (15090707)	
3603597.5	3.74850 (15021808)	3.77286 (15021808)	3.76027
(15021808)	3.76246 (15021808)	3.77488 (15021808)	
3603347.5	2.74104 (17120403)	2.88960 (17120403)	3.01455
(17120403)	3.44906 (15092907)	3.85707 (15092907)	
3603097.5	3.20862 (15092907)	3.74812 (15092907)	4.13803
(15092907)	4.64161 (15092907)	4.76575 (15092907)	
3602847.5	3.95479 (15092907)	4.25854 (15092907)	4.26385
(15092907)	4.82304 (17092807)	5.24131 (17092807)	
3602597.5	3.88653 (17092807)	4.39376 (17092807)	4.61214
(17092807)	4.99678 (15092707)	5.22520 (15092707)	
3602347.5	4.22899 (17092807)	4.51599 (15092707)	4.73912
(15092707)	4.56861 (15092707)	3.78022 (15092707)	
3602097.5	4.27310 (15092707)	4.27607 (15092707)	3.98218
(15092707)	3.21338 (15092707)	2.71303 (17120405)	
3601847.5	3.82137 (15092707)	3.40067 (15092707)	2.71858
(15092707)	2.54780 (17120405)	2.52391 (17110223)	
3601597.5	2.91627 (15092707)	2.69765 (16092705)	2.57394
(15021219)	2.58463 (15090306)	2.87695 (16022508)	
3601347.5	2.67205 (16092705)	2.55964 (16110805)	2.56512
(15090306)	2.70617 (16022508)	3.17879 (16022508)	
3601097.5	2.52341 (16103122)	2.52098 (15090306)	2.68883
(17102503)	3.03247 (16022508)	3.16129 (16022508)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA1 ***
INCLUDING SOURCE(S): HMA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	4.05516 (16022608)	4.25685 (17041607)	4.87409
(17041607)	5.56105 (17021508)	6.84094 (17021508)	
3605847.5	4.12292 (16022608)	4.20022 (17041607)	5.03563
(17041607)	5.06010 (17041607)	6.34532 (17021508)	
3605597.5	4.21567 (17040507)	4.49385 (15041807)	4.80030
(17041607)	6.00243 (17041607)	5.56852 (17031608)	
3605347.5	6.24433 (17040507)	4.80357 (17040507)	4.85822
(15041807)	4.99733 (17041607)	5.32826 (17041607)	
3605097.5	6.18391 (17040507)	6.98659 (17040507)	6.11674
(17040507)	6.25563 (15041807)	6.26102 (17041607)	
3604847.5	4.76439 (17111308)	5.99198 (17040507)	7.09385
(17040507)	7.33958 (15042907)	8.09206 (15041807)	

3604597.5	5.20323 (17122409)	5.66857 (17122409)	5.81401
(15042907)	7.86929 (15042907)	9.35749 (15042907)	
3604347.5	4.51731 (15040307)	4.40428 (17122009)	5.68231
(17122409)	6.80317 (17122409)	8.16572 (15042907)	
3604097.5	4.67706 (15090707)	4.96808 (15090707)	5.15792
(17120517)	5.53473 (17120517)	7.00000 (15021403)	
3603847.5	4.92072 (15090707)	5.28093 (15090707)	5.31992
(15090707)	5.65594 (15010809)	6.91666 (15012603)	
3603597.5	3.54923 (15090707)	3.38759 (15090707)	3.84548
(15031518)	4.69698 (15031518)	6.23200 (15031419)	
3603347.5	4.03842 (15092907)	3.57749 (15092907)	3.83882
(16022808)	4.63454 (16122120)	5.01695 (17041707)	
3603097.5	4.74875 (17092807)	4.73052 (15092707)	4.08609
(15092707)	4.28018 (17041707)	4.10316 (17041707)	
3602847.5	5.46023 (15092707)	4.98390 (15092707)	3.62928
(17041707)	3.88020 (16010309)	4.55764 (16010309)	
3602597.5	4.36944 (15092707)	3.26026 (15092707)	3.59272
(16010309)	4.25258 (16010309)	4.41908 (16091807)	
3602347.5	2.87744 (17120405)	3.15304 (16010309)	3.85081
(16010309)	3.91884 (16091807)	5.96743 (16091807)	
3602097.5	2.76268 (16010309)	3.39536 (16010309)	3.55907
(16010309)	5.21070 (16091807)	6.59086 (16091807)	
3601847.5	3.01911 (16010309)	3.34754 (16022508)	4.18857
(16091807)	5.86385 (16091807)	6.46033 (16091807)	
3601597.5	3.31127 (16022508)	3.33672 (16091807)	4.90572
(16091807)	6.01802 (16091807)	5.90161 (16091807)	
3601347.5	3.20240 (16022508)	4.04112 (16091807)	5.35173
(16091807)	5.89526 (16091807)	5.21547 (16091807)	
3601097.5	3.29299 (16091807)	4.57114 (16091807)	5.47990
(16091807)	5.51015 (16091807)	4.54205 (16091807)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA1 ***
INCLUDING SOURCE(S): HMA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	22.48610 (17020920)	18.91654 (17011402)	26.70938
(16060301)	7.86249 (15010103)	20.58177 (15010103)	
3605847.5	5.68053 (17021508)	5.09184 (16083107)	21.36000
(16020207)	29.86205 (15010907)	10.60108 (17120924)	
3605597.5	7.55938 (16012519)	6.21739 (17021508)	5.70135
(16083107)	4.58340 (15011409)	4.81047 (15122306)	
3605347.5	6.87631 (17021508)	6.14280 (17021508)	16.26128
(16020207)	34.94186 (15010907)	4.51342 (16083007)	
3605097.5	6.06372 (16012809)	5.84308 (17021508)	26.34813
(15121906)	14.40949 (15112808)	50.89630 (15021924)	
3604847.5	7.49702 (17041607)	7.01178 (16012809)	60.72362
(16120106)	18.15386 (15112808)	5.30442 (16111708)	

Otay Hills Quarry AERMOD Output File (HRA)

3604597.5	8.81300 (15041807)	9.58985 (16122206)	93.85902
(15022305)	23.29915 (15112808)	7.99456 (16111708)	
3604347.5	10.60696 (15042907)	13.68618 (15010602)	17.69346
(16122324)	62.37232 (16120120)	100.58658 (15012022)	
3604097.5	10.99151 (17011824)	14.81935 (15010601)	29.74173
(17021718)	15.50757 (16010312)	11.39026 (17012017)	
3603847.5	10.23889 (15031421)	16.97447 (15012602)	27.60085
(16110919)	31.99706 (15111605)	23.99897 (16013119)	
3603597.5	9.76864 (16122120)	8.39817 (15110323)	8.56249
(15122610)	20.89528 (16041618)	136.11854 (16011523)	
3603347.5	4.99333 (17041707)	5.57747 (15092119)	6.98242
(17112705)	7.88935 (15041720)	46.95558 (17121307)	
3603097.5	4.56425 (16010309)	4.80459 (15092119)	5.64581
(15123109)	6.43575 (15083007)	6.88637 (15120809)	
3602847.5	3.91527 (16091807)	4.03625 (16012209)	5.12506
(15123109)	5.21044 (15083007)	5.52087 (17122509)	
3602597.5	5.85207 (16091807)	4.14983 (16091807)	4.72040
(16121509)	4.52383 (15091207)	5.02149 (17122509)	
3602347.5	6.31826 (16091807)	4.00009 (16091807)	4.40936
(16121509)	4.39414 (15091207)	4.91203 (17031208)	
3602097.5	5.96031 (16091807)	3.94493 (15091307)	4.07799
(16121509)	4.02217 (15091207)	5.59411 (17031208)	
3601847.5	5.25789 (16091807)	3.92736 (15091307)	3.82454
(16121509)	3.71094 (15091207)	5.68693 (17031208)	
3601597.5	4.43155 (16091807)	3.84719 (15091307)	3.56688
(16121509)	3.62893 (16082907)	5.60165 (17031208)	
3601347.5	3.68790 (16091807)	3.65385 (15091307)	3.40071
(15082607)	3.55381 (16082907)	5.26940 (17031208)	
3601097.5	3.32241 (17111908)	3.46654 (15091307)	3.25710
(15082607)	3.47808 (16082907)	4.74268 (17031208)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HMA1
 INCLUDING SOURCE(S): HMA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	4.10841 (15112808)	32.80317 (15122821)	3.60320
(16083007)	2.24208 (16083007)	1.48431 (17091007)	
3605847.5	13.05468 (15021924)	5.64513 (16083007)	5.02388
(16083007)	2.64287 (17091007)	2.11176 (17121809)	
3605597.5	8.62198 (16120120)	8.27607 (15121319)	29.04317
(17021903)	40.30223 (16021524)	2.90364 (16081907)	
3605347.5	5.95515 (16083007)	5.33879 (17091007)	6.18313
(16121519)	25.52328 (17040402)	3.63612 (15082707)	
3605097.5	9.53902 (15122821)	4.19081 (16092207)	31.98443
(17040402)	24.05619 (16120221)	10.14056 (15121624)	
3604847.5	4.72226 (17091007)	2.81585 (17012509)	4.96658
(15082707)	4.21445 (15082707)	23.47201 (15121624)	

3604597.5	5.77226 (16092207)	5.55066 (15082707)	3.03559
(16082307)	2.84168 (16082307)	6.49156 (16040707)	
3604347.5	58.03903 (15121624)	51.58057 (17110207)	7.69552
(16040707)	2.60632 (16041207)	2.39255 (16041207)	
3604097.5	32.83853 (17021918)	70.20364 (15120702)	11.46949
(17062901)	2.45157 (16042722)	2.05261 (16042722)	
3603847.5	17.57984 (16012319)	48.09615 (17022520)	28.40142
(15082523)	6.37011 (15062407)	3.82385 (17030408)	
3603597.5	40.73181 (15011301)	70.93389 (15012119)	58.13029
(15021919)	46.08006 (15060206)	24.30350 (15013107)	
3603347.5	47.45133 (17040307)	75.54279 (16120121)	6.81646
(17122709)	60.36460 (17022805)	9.62934 (15121817)	
3603097.5	56.78942 (15021604)	8.82459 (17061807)	6.68202
(17061807)	5.22204 (15022609)	5.00133 (17122709)	
3602847.5	7.50095 (16122809)	6.81780 (17061807)	7.38943
(17061807)	6.53749 (17061807)	5.55967 (15022609)	
3602597.5	5.79024 (16122809)	5.64303 (16122809)	6.43432
(17122909)	6.87351 (17061807)	6.00704 (17061807)	
3602347.5	4.28746 (17122509)	5.53257 (16122809)	5.77866
(17122909)	5.80787 (17122909)	6.08743 (17061807)	
3602097.5	4.36070 (17031208)	4.74262 (16122809)	5.12730
(17071707)	5.50750 (17122909)	6.07955 (17122909)	
3601847.5	5.42071 (17031208)	3.77853 (16122809)	5.18789
(17082907)	5.03644 (17082907)	5.26707 (17122909)	
3601597.5	5.93214 (17031208)	3.85903 (17031208)	4.49405
(17082907)	5.42657 (17082907)	4.75397 (17082907)	
3601347.5	6.06541 (17031208)	4.59615 (17031208)	3.53094
(17082907)	5.13759 (17082907)	5.33192 (17082907)	
3601097.5	5.87314 (17031208)	4.98673 (17031208)	3.14549
(17082607)	4.38941 (17082907)	5.26644 (17082907)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HMA1
 INCLUDING SOURCE(S): HMA1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			

3606097.5	1.49266 (16081907)	1.22511 (16081907)	1.34381
(15082707)	1.50431 (15082707)		
3605847.5	2.10715 (17121809)	1.43616 (15082707)	1.56998
(15082707)	1.53330 (15082707)		
3605597.5	1.54923 (15082707)	1.66472 (15082707)	1.55051
(15082707)	1.41858 (16082307)		
3605347.5	2.62653 (17032908)	2.41193 (15082707)	2.47785
(16082307)	1.92111 (16082307)		
3605097.5	3.31700 (15082707)	2.86505 (16082307)	2.16521
(16082307)	1.96422 (16082307)		
3604847.5	12.45592 (17110207)	5.45382 (16091707)	3.30469
(16040707)	5.37648 (16040707)		

Otay Hills Quarry AERMOD Output File (HRA)

3604597.5	6.59691 (16040707)	19.31502 (16030702)	9.58555
(16030702)	3.26641 (17082707)		
3604347.5	2.43399 (17082707)	3.78792 (17082707)	2.48578
(17082707)	2.20931 (17082707)		
3604097.5	2.03577 (17082707)	1.94588 (17082707)	1.92409
(17082707)	1.89972 (17082707)		
3603847.5	3.95487 (17030408)	1.80371 (17010309)	1.68735
(15062207)	1.76550 (15062407)		
3603597.5	24.24991 (15013107)	4.45035 (15062407)	3.03392
(17122709)	2.08835 (17082908)		
3603347.5	40.33279 (16121123)	9.05895 (15091922)	2.60548
(17082908)	2.40734 (17082908)		
3603097.5	40.44110 (15042106)	4.25632 (17122709)	3.90209
(17122709)	2.36257 (15022408)		
3602847.5	4.51800 (15022609)	4.15039 (16020517)	3.61110
(15022408)	3.49894 (17122709)		
3602597.5	7.63482 (17011718)	6.07113 (17030301)	3.22973
(17062207)	13.04927 (15011301)		
3602347.5	5.81745 (17061807)	4.75970 (15022609)	21.32778
(16120121)	5.78301 (15022021)		
3602097.5	6.03029 (17061807)	4.94831 (17061807)	4.14325
(17061807)	4.40389 (15022609)		
3601847.5	5.50540 (17122909)	4.98140 (17061807)	4.46496
(17061807)	3.77721 (17061807)		
3601597.5	4.97442 (17102808)	4.39208 (17061807)	4.67416
(17061807)	4.05839 (17061807)		
3601347.5	4.29595 (17102808)	4.15256 (17102808)	3.98725
(17061807)	4.21586 (17061807)		
3601097.5	4.49295 (17082907)	4.19313 (17102808)	3.87865
(17102808)	3.83166 (17061807)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA1 ***
INCLUDING SOURCE(S): HMA1 ,

POINTS *** *** DISCRETE CARTESIAN RECEPTOR

		** CONC OF TAC		IN MICROGRAMS/M**3	
		**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD	
- - - - -					
507708.67	3603932.32	8.03150	(16010406)		
507919.87	3604794.52	7.45429	(17041607)		
507037.89	3604916.08	7.26884	(17040507)		

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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA2 ***
INCLUDING SOURCE(S): HMA2 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

		** CONC OF TAC		IN MICROGRAMS/M**3	
		**			
Y-COORD (METERS)				X-COORD (METERS)	
504868.86	504118.86	504368.86	504618.86		
- - - - -					

3606097.5	13.86878 (15010408)	14.46111 (15011008)	17.21832
(16120805)	20.38327 (16012908)	21.20910 (17020308)	
3605847.5	17.29911 (15040607)	16.68262 (15040607)	16.67602
(15010408)	18.39482 (15011008)	22.91829 (16012908)	
3605597.5	16.09221 (15040607)	18.75038 (15040607)	21.11800
(15040607)	21.29983 (15040607)	22.21849 (15010408)	
3605347.5	16.41439 (17012508)	16.08092 (15011608)	17.43344
(15011608)	20.04690 (15040607)	24.74569 (15040607)	
3605097.5	17.99776 (16021108)	17.89784 (16122808)	19.35936
(17012508)	20.18267 (17012508)	21.29603 (15011608)	
3604847.5	21.69327 (15040307)	23.61998 (15040307)	23.77715
(15040307)	22.83055 (15040307)	25.07889 (16122808)	
3604597.5	18.45789 (17092707)	20.14875 (17092707)	21.61967
(17092707)	22.99317 (17092707)	27.57930 (15040307)	
3604347.5	20.51841 (16040507)	21.49525 (16040507)	22.64019
(16040507)	23.75392 (16040507)	25.15727 (16011421)	
3604097.5	16.44700 (17121406)	18.57515 (17121406)	20.03801
(17121406)	22.41263 (17011708)	25.49924 (17011708)	
3603847.5	21.12182 (17021608)	22.54894 (17021608)	24.71428
(17021608)	25.90216 (17021608)	28.24841 (17021608)	
3603597.5	15.53035 (15021102)	16.80836 (15021102)	19.10835
(16012807)	21.26288 (16012807)	22.96698 (16012807)	
3603347.5	15.73369 (17122908)	17.03101 (16010308)	18.83065
(16010308)	20.28872 (17021402)	22.39205 (17011719)	
3603097.5	15.06345 (15012720)	16.41474 (15012720)	17.89808
(16021602)	20.23733 (16021602)	21.54430 (16012803)	
3602847.5	14.62090 (16012803)	15.91541 (16011702)	17.88073
(17120906)	19.33785 (17120906)	21.72004 (15092907)	
3602597.5	14.58448 (15011506)	18.14135 (15092907)	22.50664
(15092907)	24.99604 (15092907)	24.59771 (15092907)	
3602347.5	20.83910 (15092907)	21.20973 (15092907)	19.27178
(15092907)	19.43308 (17092807)	25.77216 (17092807)	
3602097.5	15.29337 (15092907)	18.34437 (17092807)	22.86015
(17092807)	24.11070 (17092807)	29.48208 (15092707)	
3601847.5	20.60580 (17092807)	21.45269 (17092807)	24.64559
(15092707)	29.16538 (15092707)	28.61423 (15092707)	
3601597.5	21.41659 (15092707)	25.78453 (15092707)	26.27941
(15092707)	22.09855 (15092707)	14.55501 (15092707)	
3601347.5	24.40910 (15092707)	22.04167 (15092707)	16.42013
(15092707)	10.39809 (17122302)	10.97576 (15022607)	
3601097.5	17.53641 (15092707)	11.83785 (15092707)	9.33903
(17122105)	10.04596 (15012201)	10.75752 (17012504)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

Otay Hills Quarry AERMOD Output File (HRA)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA2 ***
INCLUDING SOURCE(S): HMA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS)
506118.86	506368.86		505868.86

3606097.5	28.72003 (17040507)	29.44086 (17040507)	28.59026
(17020108)	28.13590 (16121408)	42.06024 (16120208)	
3605847.5	26.24874 (17020308)	28.25895 (17040507)	34.51517
(17040507)	32.34689 (17020108)	32.93331 (16121408)	
3605597.5	24.32986 (15011008)	30.59762 (16012908)	33.97900
(17020308)	39.11745 (17040507)	36.89505 (17020108)	
3605347.5	25.51012 (15121608)	28.29757 (15010408)	32.60569
(16011506)	40.87830 (16012908)	42.42823 (15021008)	
3605097.5	23.35257 (15011608)	29.55424 (15040607)	33.24555
(15121608)	37.60430 (15010408)	44.83609 (16012908)	
3604847.5	24.08551 (17012508)	28.08841 (17012508)	32.83355
(15011608)	36.37377 (17012703)	44.21675 (15121608)	
3604597.5	28.48979 (15040307)	31.00842 (15040307)	32.76705
(16122808)	36.78498 (16122808)	45.33278 (17012508)	
3604347.5	29.24138 (16011421)	33.17151 (15122708)	35.94180
(15122708)	36.34980 (17122422)	43.68395 (15020702)	
3604097.5	29.38311 (17011708)	36.32611 (17011708)	40.73041
(17011708)	40.75271 (17011708)	45.39013 (17011708)	
3603847.5	30.87959 (17021608)	33.80160 (17122608)	35.67041
(17122608)	40.94605 (17122608)	45.94442 (17122608)	
3603597.5	26.54723 (15011603)	29.78888 (17122908)	33.44399
(17122908)	38.60874 (17122908)	47.68088 (16010308)	
3603347.5	24.98434 (17011719)	28.13206 (15012720)	31.91338
(16021602)	37.44520 (16012803)	44.90729 (16011702)	
3603097.5	23.76350 (16011702)	27.95592 (17120906)	30.85976
(15011506)	37.17755 (16021406)	43.96484 (17121720)	
3602847.5	27.13367 (15092907)	30.89965 (15092907)	30.07100
(17122824)	36.44873 (17010708)	43.70975 (17121308)	
3602597.5	22.76146 (17010704)	30.03348 (17092807)	33.17841
(17092807)	45.41294 (15092707)	46.63175 (15092707)	
3602347.5	28.40766 (17092807)	36.39487 (15092707)	39.88516
(15092707)	30.98108 (15092707)	22.43277 (15022607)	
3602097.5	33.83308 (15092707)	30.22114 (15092707)	19.62522
(15092707)	18.58008 (15012201)	20.42091 (17021905)	
3601847.5	21.46943 (15092707)	14.58972 (17122105)	15.84790
(15121422)	17.30218 (17021905)	18.41884 (17121505)	
3601597.5	12.44316 (15022607)	13.60006 (15121422)	14.60595
(16121224)	15.80431 (17121505)	16.84875 (15120324)	
3601347.5	11.89740 (17012504)	12.74054 (16121224)	13.59087
(17121505)	14.40684 (15120324)	15.31509 (17010801)	
3601097.5	11.43639 (16121224)	12.01916 (17121505)	12.81444
(15013101)	13.63604 (17010801)	14.35313 (16122704)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA2 ***
INCLUDING SOURCE(S): HMA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS)
507368.86	507618.86		507118.86

3606097.5	49.67187 (16120208)	37.68635 (16010908)	64.82030
(17021308)	71.51082 (15021508)	71.41514 (17021320)	
3605847.5	47.76218 (16120208)	54.74831 (16120208)	50.17017
(16010908)	85.48397 (15021508)	81.80361 (15121303)	
3605597.5	39.05285 (16121408)	54.32813 (16120208)	56.05278
(16120208)	95.44604 (16010223)	92.24484 (15021508)	
3605347.5	46.24282 (15121803)	49.93470 (17020108)	60.81402
(16120208)	67.49816 (15121708)	69.26546 (17021308)	
3605097.5	56.03749 (17020308)	61.05362 (15120308)	74.86507
(17020108)	85.18477 (16120208)	91.49279 (16010908)	
3604847.5	52.90036 (16020408)	71.70640 (16012908)	84.77845
(15021008)	115.74052 (17020108)	140.86225 (16120208)	
3604597.5	55.22680 (15011608)	65.11825 (15012401)	85.47988
(16020408)	129.46308 (17020308)	173.95114 (17020108)	
3604347.5	52.35531 (16011108)	65.35474 (16122808)	84.68917
(17012508)	114.53814 (15011608)	165.12555 (16020408)	
3604097.5	53.11217 (17011708)	66.95966 (16120722)	87.67020
(16011421)	107.29501 (17020524)	153.09798 (15020702)	
3603847.5	51.18597 (17122608)	61.84083 (17122608)	75.36912
(17122608)	101.53786 (15021102)	148.82710 (15021102)	
3603597.5	54.05188 (17011719)	63.94294 (15012720)	79.74354
(16021602)	99.93397 (17120906)	137.06293 (17121720)	
3603347.5	54.26438 (15011506)	60.77655 (16021406)	77.35713
(17122824)	107.34765 (17121308)	99.09050 (16021107)	
3603097.5	52.58454 (17010708)	61.58984 (17121308)	69.23653
(15092707)	55.17527 (16011206)	64.86181 (16020405)	
3602847.5	58.28430 (15092707)	46.46305 (15092707)	41.22979
(15121422)	46.04936 (16020405)	49.88069 (17010801)	
3602597.5	28.07688 (17122302)	32.19318 (15121422)	35.98061
(17121505)	38.17709 (17010801)	41.97501 (17011624)	
3602347.5	25.25185 (17012504)	27.53205 (17121505)	29.98977
(16011601)	32.70049 (17012722)	37.68768 (17022103)	
3602097.5	21.69517 (17121505)	24.13370 (15120324)	25.70614
(16122704)	28.61548 (17040807)	32.27966 (15021805)	
3601847.5	19.86441 (15120324)	21.31356 (16022007)	22.51953
(17011624)	25.87511 (16011119)	40.45921 (17020408)	
3601597.5	17.74100 (16021923)	19.17225 (17012722)	25.24925
(17040807)	24.30468 (15041007)	46.42164 (17020408)	
3601347.5	16.13471 (16011202)	19.19834 (17040807)	20.05141
(17040807)	28.50863 (17020408)	44.61768 (17020408)	
3601097.5	15.04526 (17011624)	22.23415 (17040807)	20.81022
(15041007)	35.77348 (17020408)	38.28436 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

Otay Hills Quarry AERMOD Output File (HRA)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA2 ***
INCLUDING SOURCE(S): HMA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) |
508618.86 507868.86 508118.86 508368.86

3606097.5	33.93713 (15082706)	52.51259 (17022408)	14.58119
(16112208)	16.72995 (17032607)	39.66109 (17032607)	
3605847.5	71.05581 (17021508)	82.19090 (16121101)	40.29309
(16060301)	35.61130 (16091507)	75.87309 (17032607)	
3605597.5	93.35884 (17021508)	62.01781 (16121101)	60.78446
(15122121)	65.82737 (16010501)	91.50799 (17011124)	
3605347.5	66.32646 (17021508)	64.77734 (16021807)	58.60725
(17022408)	48.23668 (16091507)	111.30143 (16122307)	
3605097.5	102.35319 (15021508)	121.38562 (17070706)	38.33500
(17022408)	58.97153 (17032607)	24.40912 (15121322)	
3604847.5	182.97125 (17013021)	163.98071 (16020419)	50.40924
(17022408)	84.64116 (17032607)	26.47177 (16111708)	
3604597.5	209.79192 (15120408)	191.23300 (15021508)	80.89411
(15092607)	119.87849 (17032607)	32.68927 (16111708)	
3604347.5	259.81366 (15021008)	401.95992 (16120708)	226.89077
(16071506)	120.95574 (17121006)	60.14452 (15022118)	
3604097.5	282.09993 (17012508)	498.93479 (16020408)	1191.41332
(15120107)	1262.26977 (16121519)	309.92818 (16061006)	
3603847.5	260.25557 (17122908)	450.42706 (17011719)	1607.03492
(16021107)	2018.97481 (16121122)	257.51479 (17052506)	
3603597.5	227.73058 (17121308)	220.16013 (17021905)	387.57867
(16010102)	260.83622 (15071806)	207.40296 (16013009)	
3603347.5	108.06119 (16020405)	131.71467 (17011624)	200.10836
(17122619)	263.35650 (16122021)	84.42306 (15010817)	
3603097.5	77.06580 (16122704)	98.53431 (16021904)	116.45180
(17122005)	164.48778 (17121306)	144.72686 (17010406)	
3602847.5	63.29693 (17022103)	95.33193 (17020408)	77.37904
(16022802)	90.00641 (17122218)	87.64176 (17010624)	
3602597.5	51.49670 (15021805)	65.00228 (17020408)	58.93892
(16012923)	67.54898 (15021621)	65.09771 (17011319)	
3602347.5	61.16264 (17020408)	43.20310 (17020905)	45.76832
(17010402)	53.09198 (16022219)	51.75782 (16122021)	
3602097.5	59.49764 (17020408)	35.46720 (17122619)	36.63916
(17121803)	43.59136 (16022219)	42.72534 (15020321)	
3601847.5	47.84035 (17020408)	29.73781 (15022601)	30.87076
(17121803)	36.44602 (16022219)	35.73029 (16121418)	
3601597.5	34.17164 (17020408)	26.10834 (16010118)	26.20847
(15120902)	31.08042 (17122205)	31.00423 (17121306)	
3601347.5	24.17060 (17111908)	22.74673 (17122005)	23.46752
(15120902)	27.08016 (17122205)	28.10385 (16112308)	
3601097.5	20.30735 (17111908)	20.35147 (16122020)	21.30505
(15120902)	23.93637 (17122205)	26.94764 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA2 ***
INCLUDING SOURCE(S): HMA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) |
509868.86 509118.86 509368.86 509618.86

3606097.5	7.06607 (17032607)	17.56412 (16111708)	8.76612
(16111708)	7.25117 (17020109)	7.26184 (16092207)	
3605847.5	10.89299 (15121322)	62.36804 (15080402)	12.33935
(17091007)	6.67542 (16092207)	9.19326 (17121809)	
3605597.5	61.54313 (15122821)	58.26053 (15092321)	39.16276
(16100201)	19.71106 (16092207)	10.56050 (17121809)	
3605347.5	82.28970 (17060105)	79.99575 (16101307)	77.12969
(16021524)	14.15743 (17012509)	8.43269 (17032908)	
3605097.5	23.55465 (16083007)	12.65269 (16092207)	17.58608
(17011903)	43.59581 (17032121)	13.34786 (15110508)	
3604847.5	12.99026 (16092207)	16.75870 (17121809)	11.38269
(17032908)	9.54370 (16042804)	14.06092 (16082307)	
3604597.5	21.26739 (17121809)	14.14528 (15082707)	14.90032
(17032608)	24.79700 (17032608)	36.42140 (16040707)	
3604347.5	32.06268 (15082707)	37.41708 (17032608)	57.43061
(16040707)	42.74409 (16040707)	21.78387 (16040707)	
3604097.5	140.33105 (16040707)	49.46590 (17082707)	25.74173
(17091207)	21.20334 (16090707)	18.76254 (16090707)	
3603847.5	138.32797 (17012817)	67.55101 (17012817)	33.26566
(16052106)	22.03081 (15062407)	24.85995 (17042907)	
3603597.5	99.96839 (16040807)	46.05199 (15022408)	38.87972
(17122709)	25.02564 (16121017)	21.39419 (15020117)	
3603347.5	79.43940 (16013009)	51.10159 (16040807)	129.88023
(16040807)	45.84009 (15022408)	69.59961 (15012119)	
3603097.5	46.95532 (16122424)	205.46524 (17040307)	111.34767
(17022804)	133.15747 (17011308)	124.37693 (16121122)	
3602847.5	180.52083 (17120621)	86.25864 (16010421)	75.30907
(16121120)	84.74990 (16122817)	68.36676 (17121101)	
3602597.5	63.77963 (17010406)	79.69391 (17021408)	67.54847
(16010421)	63.41758 (16121120)	63.68171 (15013018)	
3602347.5	49.16991 (16121220)	60.13447 (17120621)	63.28637
(17021408)	51.23372 (16010601)	48.30539 (16121120)	
3602097.5	43.87649 (15022808)	38.63183 (17122806)	52.61724
(15020908)	45.35507 (16121022)	81.52187 (15011201)	
3601847.5	35.33202 (16022321)	34.15576 (16121220)	38.77773
(17120621)	42.34707 (17021408)	39.30514 (16121022)	
3601597.5	30.46120 (15011921)	36.11042 (15022808)	26.93007
(17122806)	35.77018 (17120621)	36.58254 (17021408)	
3601347.5	27.04374 (17031208)	33.76566 (15022808)	23.55184
(16121220)	26.33718 (17120621)	32.40351 (15020908)	
3601097.5	25.94926 (17031208)	25.30379 (15022808)	26.00708
(15022808)	21.53787 (16092807)	27.27408 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

Otay Hills Quarry AERMOD Output File (HRA)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA2 ***
INCLUDING SOURCE(S): HMA2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)	CONC (YMMDDHH)	X-COORD (METERS)
511118.86	510618.86	510868.86	
3606097.5 (17121809)	8.61958 (17121809)	8.56642 (17121809)	6.01917
3605847.5 (15082707)	6.09718 (17032908)	6.52105 (17032908)	6.64701
3605597.5 (15082707)	9.45189 (17121809)	7.42110 (15082707)	5.92113
3605347.5 (17122309)	6.02457 (15082707)	5.44840 (15082707)	5.91685
3605097.5 (17122309)	7.37643 (17032908)	10.03534 (17122309)	12.19321
3604847.5 (16040707)	3.41109 (15082707)	23.67758 (16040707)	31.67822
3604597.5 (16040707)	8.11582 (15082707)	31.39979 (16040707)	19.63241
3604347.5 (17082707)	8.88918 (17122309)	12.88171 (17082707)	12.32405
3604097.5 (16090707)	6.71584 (16042804)	12.03005 (16090707)	12.03005
3603847.5 (15062407)	16.07961 (16040707)	16.78972 (15062407)	15.56855
3603597.5 (15061907)	19.73037 (17032608)	14.44904 (15061907)	12.65702
3603347.5 (17122709)	31.27438 (16040707)	12.90327 (16011417)	9.49742
3603097.5 (15022408)	40.41178 (16040707)	25.81802 (15022408)	12.18366
3602847.5 (15022408)	10.74585 (16040707)	40.08660 (16040807)	33.50041
3602597.5 (16040807)	12.70170 (17082707)	26.12656 (16040807)	38.21388
3602347.5 (16071324)	11.40069 (16090707)	63.78850 (17010220)	33.22302
3602097.5 (16121203)	16.25916 (16090707)	37.28922 (17122124)	37.71559
3601847.5 (17122124)	11.56870 (17030408)	32.39077 (17122518)	30.03130
3601597.5 (17122518)	19.72984 (17042907)	29.68418 (17011224)	29.04532
3601347.5 (17011224)	14.52115 (15062407)	24.14428 (16010421)	24.99693
3601097.5 (16010421)	17.25027 (15061907)	24.18793 (17021822)	21.67953
	10.85364 (15061907)		
	31.39447 (15091922)		
	7.43562 (17122709)		
	39.46465 (15022408)		
	10.57021 (17122709)		
	86.73609 (16040807)		
	26.58228 (15022408)		
	57.46961 (16010101)		
	33.93984 (16040807)		
	52.33171 (15013018)		
	53.63961 (16040807)		
	87.54427 (17040307)		
	35.03642 (17022804)		
	66.79058 (15011201)		
	29.17220 (16122817)		
	33.12960 (16121022)		
	24.75912 (17122124)		
	29.66351 (17021408)		
	23.97401 (17122518)		
	26.59369 (17021408)		
	22.88089 (17011224)		

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*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA2 ***
INCLUDING SOURCE(S): HMA2 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

Y-COORD (M)	X-COORD (M)	CONC (YMMDDHH)	X-COORD (M)
507708.67	508226.78	798.56166 (15122708)	
507919.87	3603955.63	194.90977 (17122608)	
	506203.59	39.44461 (16012803)	
	3604794.52	159.30560 (15123006)	
	507037.89	77.97388 (15021008)	

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA3 ***
INCLUDING SOURCE(S): HMA3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)	CONC (YMMDDHH)	X-COORD (METERS)
504868.86	504118.86	504368.86	504618.86
3606097.5 (16012908)	13.92244 (16020408)	14.82695 (15011008)	17.96998
3605847.5 (16020408)	20.40336 (17020308)	20.50685 (17020308)	16.75356
3605597.5 (15040607)	17.00968 (15040607)	16.02632 (15040607)	20.86695
3605347.5 (15040607)	18.75659 (15011008)	23.61640 (16012908)	17.73351
3605097.5 (17012508)	16.60383 (15040607)	18.96777 (15040607)	19.77734
3604847.5 (15040307)	20.47378 (15040607)	22.22924 (16020408)	23.23948
3604597.5 (17092707)	16.33435 (17012508)	16.40786 (15011608)	21.53558
3604347.5 (16040507)	20.52058 (15040607)	24.63859 (15040607)	22.33543
3604097.5 (17011708)	17.03531 (16122808)	17.69412 (15011519)	20.58316
3603847.5 (17021608)	20.12992 (17012508)	21.66118 (15011608)	24.67330
3603597.5 (15021102)	22.24963 (15040307)	23.69761 (15040307)	19.15227
	21.61973 (15040307)	24.74964 (16122808)	
	19.00148 (17092707)	20.43420 (17092707)	
	23.27652 (15040307)	28.89361 (15040307)	
	20.66954 (16040507)	21.44930 (16040507)	
	23.11277 (16040507)	25.56378 (16011421)	
	16.69037 (17121406)	18.86575 (17011708)	
	22.96317 (17011708)	26.02601 (17011708)	
	21.03006 (17021608)	22.48002 (17021608)	
	25.91129 (17021608)	28.32031 (17021608)	
	15.62995 (15021102)	16.99720 (15021102)	
	21.35336 (16012807)	23.23836 (16012807)	

Otay Hills Quarry AERMOD Output File (HRA)

3603347.5	15.89924 (17122908)	17.30897 (17122908)	19.02045
(16010308)	20.54354 (16010308)	22.49783 (17021402)	
3603097.5	15.15270 (17011719)	16.55802 (15012720)	17.99077
(16021602)	20.56397 (16021602)	21.59111 (16012803)	
3602847.5	14.65681 (16012803)	15.96139 (16012803)	17.98462
(16011702)	19.57431 (17120906)	21.28609 (15011506)	
3602597.5	14.63819 (15011506)	17.69581 (15092907)	22.25373
(15092907)	25.09053 (15092907)	25.10182 (15092907)	
3602347.5	20.84278 (15092907)	21.48180 (15092907)	19.78438
(15092907)	19.02660 (17092807)	25.63298 (17092807)	
3602097.5	15.75572 (15092907)	18.04659 (17092807)	22.78140
(17092807)	24.35009 (17092807)	29.31635 (15092707)	
3601847.5	20.56219 (17092807)	21.64635 (17092807)	24.47305
(15092707)	29.25268 (15092707)	28.96921 (15092707)	
3601597.5	21.24408 (15092707)	25.79683 (15092707)	26.50949
(15092707)	22.45827 (15092707)	14.88158 (15092707)	
3601347.5	24.55125 (15092707)	22.31982 (15092707)	16.72490
(15092707)	10.48562 (17122302)	11.06939 (15022607)	
3601097.5	17.80266 (15092707)	12.07240 (15092707)	9.40676
(17122105)	10.12004 (15012201)	10.84093 (17012504)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HMA3 ***
 INCLUDING SOURCE(S): HMA3 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)	505368.86	505618.86
506118.86	506368.86	505868.86

3606097.5	29.45423 (17040507)	27.80277 (17040507)	28.47799
(17020108)	28.14111 (16121408)	44.31396 (16120208)	
3605847.5	26.22504 (17020308)	30.07385 (17040507)	33.51934
(17040507)	32.86545 (17020108)	33.26969 (16121408)	
3605597.5	24.95842 (16011506)	30.94053 (16012908)	32.81644
(17020308)	39.45400 (17040507)	38.47774 (17020108)	
3605347.5	25.59893 (15121608)	28.35664 (16020408)	33.77148
(16012908)	41.26831 (17020308)	43.24313 (15021008)	
3605097.5	23.59008 (15040607)	29.77263 (15040607)	33.67023
(15121608)	37.72883 (16020408)	47.40309 (16012908)	
3604847.5	24.90894 (17012508)	28.05867 (17012508)	33.05226
(15011608)	36.68649 (17012703)	45.50148 (15121608)	
3604597.5	28.97463 (15040307)	30.34302 (15040307)	33.11400
(16122808)	36.76464 (17012508)	45.29584 (17012508)	
3604347.5	29.30834 (16011421)	33.52897 (15122708)	36.47118
(17020524)	36.90487 (16020401)	44.21614 (15020702)	
3604097.5	29.84529 (17011708)	36.67860 (17011708)	40.80753
(17011708)	40.50044 (17011708)	44.59921 (17011708)	
3603847.5	31.65225 (17122608)	34.84279 (17122608)	36.92883
(17122608)	42.59363 (17122608)	48.12850 (17122608)	
3603597.5	26.59117 (15011603)	29.63177 (17122908)	33.63707
(17122908)	39.34777 (17122908)	48.52477 (16010308)	

3603347.5	25.27489 (17011719)	28.42538 (15012720)	32.29458
(16021602)	37.47938 (16012803)	45.38021 (16011702)	
3603097.5	23.85265 (16011702)	28.15140 (17120906)	31.29199
(15011506)	37.58502 (16021406)	44.55501 (17121720)	
3602847.5	26.84967 (15092907)	31.21008 (15092907)	30.43117
(17122824)	36.95418 (17010708)	44.55737 (17121308)	
3602597.5	22.93859 (17010704)	29.77803 (17092807)	33.59464
(17092807)	45.40634 (15092707)	47.46207 (15092707)	
3602347.5	28.71786 (17092807)	36.26441 (15092707)	40.32156
(15092707)	31.71345 (15092707)	22.70976 (15022607)	
3602097.5	34.04668 (15092707)	30.74378 (15092707)	20.13413
(15092707)	18.78055 (15012201)	20.66932 (17021905)	
3601847.5	21.91412 (15092707)	14.73945 (17122302)	15.99939
(15121422)	17.48919 (17021905)	18.64600 (17121505)	
3601597.5	12.54618 (15022607)	13.72504 (15121422)	14.74933
(16121224)	15.97796 (17121505)	17.04379 (15120324)	
3601347.5	11.99454 (17012504)	12.85325 (16121224)	13.72543
(17121505)	14.56742 (15120324)	15.43358 (17010801)	
3601097.5	11.52833 (16121224)	12.12762 (17121505)	12.92115
(15013101)	13.75647 (17010801)	14.47356 (16122704)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HMA3 ***
 INCLUDING SOURCE(S): HMA3 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)	506618.86	506868.86
507368.86	507618.86	507118.86

3606097.5	46.83821 (16120208)	37.75279 (16010908)	66.96696
(17021308)	66.01003 (15021508)	77.47003 (16012808)	
3605847.5	50.19079 (16120208)	50.31744 (16120208)	49.44026
(15122808)	86.75259 (15021508)	82.13155 (17010724)	
3605597.5	40.00846 (16121408)	56.84721 (16120208)	53.92420
(15121708)	92.92875 (15120107)	86.84483 (15011120)	
3605347.5	47.36087 (17020108)	49.10972 (16121408)	63.18229
(16120208)	65.38240 (16120708)	71.79656 (15021508)	
3605097.5	54.39602 (17020308)	60.52922 (16011607)	70.28941
(17020108)	87.23878 (16120208)	88.53132 (16010908)	
3604847.5	53.06023 (16020408)	73.35225 (16012908)	85.09002
(15021008)	112.41763 (17020108)	140.26567 (16120208)	
3604597.5	54.45790 (15011608)	67.70378 (15121608)	85.32686
(16020408)	128.48947 (17020308)	181.74741 (17020108)	
3604347.5	53.88253 (16011108)	65.17007 (16122808)	85.06991
(17012508)	114.98541 (17012703)	169.86409 (16012908)	
3604097.5	53.29444 (16120722)	67.47327 (16011421)	88.46716
(16011421)	109.80564 (16020401)	162.67102 (16122808)	
3603847.5	54.23671 (17122608)	66.24581 (17122608)	82.16736
(17122608)	108.94824 (17122608)	153.20388 (17122608)	
3603597.5	54.55950 (16010308)	64.83806 (15012720)	82.68999
(16021602)	101.79520 (17120906)	142.55472 (16021406)	

Otay Hills Quarry AERMOD Output File (HRA)

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3603347.5 | 54.86459 (15011506) 62.01611 (16021406) 79.39671
(17122824) 111.15035 (17121308) 104.89231 (16021107)
3603097.5 | 53.10756 (17010708) 63.09649 (17121308) 70.49858
(15092707) 56.60293 (16011206) 66.71387 (16020405)
3602847.5 | 58.62215 (15092707) 47.83630 (15092707) 42.00959
(15121422) 47.01580 (16020405) 51.06698 (17022221)
3602597.5 | 28.52000 (17122302) 32.74026 (15121422) 36.69671
(17121505) 38.94736 (17010801) 42.90146 (17011624)
3602347.5 | 25.60823 (17012504) 27.98384 (17121505) 30.54748
(17010801) 33.32188 (17012722) 38.33717 (16011119)
3602097.5 | 22.00093 (17121505) 24.42878 (15120324) 26.05279
(16122704) 29.55417 (17040807) 32.88906 (15021805)
3601847.5 | 20.10257 (15120324) 21.65238 (16122704) 22.86690
(17011624) 26.27937 (16011119) 42.81554 (17020408)
3601597.5 | 17.91658 (16021923) 19.36565 (17012722) 25.55852
(17040807) 24.86139 (15041007) 47.56873 (17020408)
3601347.5 | 16.35649 (17012722) 19.91354 (17040807) 19.92023
(16011119) 30.28018 (17020408) 44.49507 (17020408)
3601097.5 | 15.22543 (17011624) 22.23635 (17040807) 21.27011
(15041007) 37.09982 (17020408) 37.32098 (17020408)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA3 ***
INCLUDING SOURCE(S): HMA3 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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** CONC OF TAC IN MICROGRAMS/M**3
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```

Y-COORD (METERS)	X-COORD (METERS)
508618.86	508368.86

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3606097.5 | 36.30037 (16120206) 54.11961 (17022408) 15.29386
(16112208) 19.76594 (17032607) 37.72257 (17032607)
3605847.5 | 68.57194 (17070706) 77.88682 (15022305) 42.50038
(16060301) 37.12323 (16091507) 69.11249 (17032607)
3605597.5 | 90.64850 (17021508) 62.60657 (16121101) 62.14553
(15122121) 72.38216 (17032607) 90.64460 (17011124)
3605347.5 | 73.47830 (17021508) 62.78399 (16121101) 57.18130
(16060301) 47.77687 (16091507) 114.63038 (16121520)
3605097.5 | 92.95243 (15021508) 118.26188 (15010104) 33.07681
(17022408) 62.56940 (17032607) 25.00103 (15121322)
3604847.5 | 184.95785 (15011121) 183.30961 (16012808) 45.32969
(17022408) 81.85428 (17032607) 26.50535 (16111708)
3604597.5 | 218.32908 (15123008) 166.53728 (15021508) 65.18562
(15092607) 97.18009 (17032607) 27.86196 (16111708)
3604347.5 | 258.30651 (17020108) 403.44636 (16120708) 234.65636
(15081703) 110.45452 (15121322) 55.38139 (15022118)
3604097.5 | 290.25060 (17012508) 570.94684 (17020308) 968.84700
(17010208) 1106.67434 (17020508) 294.89151 (17060424)
3603847.5 | 259.15641 (17022301) 511.04615 (17122908) 2129.44936
(17121308) 1877.75821 (16121123) 275.27774 (15012717)
3603597.5 | 241.98511 (17121308) 237.30202 (17021905) 424.66086
(17122823) 266.19513 (17012108) 151.30343 (16013009)

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3603347.5 | 112.63553 (16020405) 143.04082 (17022103) 210.88487
(16010118) 271.07109 (17011319) 80.91944 (17020419)
3603097.5 | 79.45341 (16122704) 102.41114 (16012324) 120.02936
(16022802) 168.65858 (16121418) 166.47636 (17120621)
3602847.5 | 65.50871 (17022103) 95.37503 (17020408) 79.19250
(16012923) 91.98103 (15021622) 88.16953 (15011507)
3602597.5 | 52.56734 (16021904) 60.64102 (17020408) 60.10973
(17010402) 68.66919 (17122218) 66.21630 (15021419)
3602347.5 | 63.92349 (17020408) 44.40404 (17122619) 46.45814
(17121803) 54.61167 (15021621) 52.62715 (15011921)
3602097.5 | 59.38594 (17020408) 35.87364 (16011319) 37.89848
(15120902) 43.41503 (15021621) 42.92005 (17123106)
3601847.5 | 46.07407 (17020408) 30.43956 (16010118) 32.54499
(15120902) 36.68044 (16022219) 36.03441 (16121418)
3601597.5 | 32.01842 (17020408) 26.35626 (17122005) 28.20480
(15120902) 31.49943 (16022219) 31.37421 (17121306)
3601347.5 | 23.75403 (17111908) 22.92202 (16122020) 25.00946
(15120902) 27.22968 (16022219) 27.47613 (15021622)
3601097.5 | 19.93864 (17122619) 20.56653 (16122020) 22.52605
(15120902) 24.08984 (17122205) 26.29373 (16112308)

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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA3 ***
INCLUDING SOURCE(S): HMA3 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

```

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509618.86

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3606097.5 | 6.34511 (16032803) 18.17356 (16111708) 8.38152
(16111708) 7.10486 (17020109) 7.32523 (16092207)
3605847.5 | 11.29304 (15121322) 63.11668 (15052306) 11.98352
(17091007) 6.81563 (16092207) 9.17607 (17121809)
3605597.5 | 63.46410 (15122821) 59.51354 (15092321) 40.08724
(16100201) 19.50022 (17121809) 10.43826 (17121809)
3605347.5 | 81.33150 (15080402) 81.75006 (16101307) 77.95399
(16021524) 13.90588 (17012509) 8.34742 (17032908)
3605097.5 | 22.34507 (16083007) 12.63271 (16092207) 17.26412
(17011903) 44.39802 (17032121) 13.24103 (15110508)
3604847.5 | 13.30746 (16092207) 16.45339 (17121809) 11.22077
(17032908) 9.27648 (16042804) 13.73018 (16082307)
3604597.5 | 20.77493 (17121809) 13.89085 (15082707) 13.35060
(17032608) 23.57286 (17032608) 34.27081 (16040707)
3604347.5 | 31.69830 (15082707) 35.60314 (17032608) 55.17597
(16040707) 44.57809 (16040707) 24.13758 (16040707)
3604097.5 | 152.33808 (16040707) 46.56276 (17082707) 24.17476
(16020417) 20.48712 (16090707) 18.70808 (16090707)
3603847.5 | 114.04549 (16021806) 59.86909 (15062407) 29.00262
(15012317) 22.72571 (15062407) 23.50768 (17042907)
3603597.5 | 85.16734 (15022408) 41.31976 (15122117) 36.71643
(17122709) 26.12023 (16121017) 19.85998 (15020117)

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Otay Hills Quarry AERMOD Output File (HRA)

3603347.5	83.36175 (16013009)	64.96310 (16040807)	119.19233
(16100807)	39.73253 (15022408)	69.54839 (15012119)	
3603097.5	53.14640 (16040518)	188.75697 (17040307)	110.58722
(17022804)	124.31612 (17011308)	124.99147 (16121122)	
3602847.5	187.46199 (15020908)	88.86886 (16010601)	77.39113
(17122124)	84.09689 (16121203)	69.83835 (17121101)	
3602597.5	67.23078 (16121008)	81.29389 (17021408)	68.48914
(16010601)	61.76916 (17122124)	64.05202 (16122817)	
3602347.5	49.99432 (16121220)	62.78047 (17120621)	59.79885
(17021408)	51.34284 (17011224)	46.62882 (16012022)	
3602097.5	44.44412 (15022808)	40.50574 (16121008)	53.78026
(15020908)	45.74448 (16121022)	79.16699 (15011201)	
3601847.5	36.01745 (15022808)	33.60108 (16121220)	41.55318
(17120621)	43.49773 (17021408)	37.99108 (16121022)	
3601597.5	30.75638 (17011319)	34.00210 (15022808)	27.99592
(16121008)	35.63967 (15020908)	35.89834 (17021408)	
3601347.5	26.82015 (15011921)	34.73067 (15022808)	23.43813
(17010406)	28.56535 (17120621)	32.59906 (15020908)	
3601097.5	25.96277 (17031208)	27.85515 (15022808)	23.59295
(15022808)	21.30349 (16121008)	27.79859 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HMA3 ***
 INCLUDING SOURCE(S): HMA3 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS)	510868.86
511118.86				

3606097.5	8.59495 (17121809)	8.48484 (17121809)	5.95442
(17121809)	6.05820 (17032908)		
3605847.5	9.35334 (17121809)	6.47283 (17032908)	6.59306
(15082707)	6.00295 (15082707)		
3605597.5	7.31298 (17032908)	7.35964 (15082707)	5.91327
(15082707)	3.44152 (15082707)		
3605347.5	8.05259 (15082707)	5.46434 (15082707)	5.69349
(17122309)	8.64782 (17122309)		
3605097.5	6.75872 (16042804)	9.70903 (17122309)	11.98199
(17122309)	15.05530 (16040707)		
3604847.5	19.17794 (17032608)	22.17486 (16040707)	30.70090
(16040707)	31.25614 (16040707)		
3604597.5	39.97756 (16040707)	32.40379 (16040707)	20.97993
(16040707)	11.81284 (16040707)		
3604347.5	12.04073 (17082707)	12.48475 (17082707)	12.15220
(17082707)	11.36819 (17082707)		
3604097.5	16.56226 (16090707)	14.46742 (16090707)	12.57661
(16090707)	11.03042 (17030408)		
3603847.5	18.44211 (15062407)	16.89337 (15062407)	15.60409
(15062407)	14.51253 (15062407)		
3603597.5	18.57184 (15061907)	14.80600 (15061907)	12.60434
(15061907)	10.58626 (15061907)		

3603347.5	32.60074 (15091922)	12.88539 (17082908)	8.84406
(17122709)	6.81832 (17122709)		
3603097.5	37.28796 (15022408)	21.69700 (15022408)	10.99025
(17122709)	10.51273 (17122709)		
3602847.5	94.33164 (15121020)	36.70060 (16040807)	33.00316
(15022408)	23.89656 (15022408)		
3602597.5	58.85024 (17062906)	30.35122 (16040807)	39.07080
(16040807)	31.40486 (16040807)		
3602347.5	52.86571 (15013018)	62.69790 (16010101)	33.36467
(16071324)	59.31035 (16040807)		
3602097.5	90.81543 (17040307)	37.62533 (15013018)	37.47065
(16121203)	33.93122 (17022804)		
3601847.5	65.80334 (17011224)	31.82142 (16121120)	29.93566
(16013009)	28.85920 (16122817)		
3601597.5	32.96447 (16010421)	29.63108 (17011224)	28.55167
(16121120)	25.77910 (16013009)		
3601347.5	28.18802 (17021408)	25.02950 (16010421)	24.78774
(17011224)	23.58427 (16121120)		
3601097.5	27.36856 (17021408)	24.53506 (16121022)	22.05074
(16010421)	22.54922 (17011224)		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HMA3 ***
 INCLUDING SOURCE(S): HMA3 ,
 *** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	900.39229 (16122808)	
507708.67	3603932.32	202.37109 (17011708)	
506203.59	3603369.23	39.59836 (16021602)	
507919.87	3604794.52	161.85175 (16021523)	
507037.89	3604916.08	77.18132 (15021008)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HMA4 ***
 INCLUDING SOURCE(S): HMA4 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS) 504618.86
504868.86	505118.86		
3606097.5	2.63222 (15071922)	2.66088 (17090106)	2.73264
(16042007)	3.40978 (17040507)	3.93235 (17040507)	
3605847.5	2.62004 (17120303)	2.57076 (16112503)	2.63372
(17102220)	3.04587 (16042007)	3.47397 (17040507)	
3605597.5	2.64059 (15101122)	2.72550 (17120303)	2.92859
(17122409)	2.96829 (17122409)	3.13906 (17111308)	
3605347.5	2.83843 (15040307)	2.73311 (17090707)	2.79095
(17122409)	2.95616 (17122409)	3.37069 (17122409)	
3605097.5	3.67907 (15040307)	3.64551 (15040307)	3.50966
(15040307)	3.07829 (15040307)	3.04058 (17122409)	
3604847.5	3.88151 (15040307)	4.04150 (15040307)	4.06625
(15040307)	4.10081 (15040307)	4.31326 (15040307)	
3604597.5	3.63830 (16040507)	3.72451 (17092707)	3.89931
(15040307)	4.30187 (15040307)	4.78011 (15040307)	
3604347.5	3.96381 (16040507)	4.09282 (16040507)	4.27319
(16040507)	4.48369 (16040507)	4.73512 (16040507)	
3604097.5	3.49439 (16040507)	3.76634 (16040507)	3.92878
(16040507)	4.15308 (16040507)	4.42672 (16040507)	
3603847.5	3.34081 (17021608)	3.49263 (17021608)	3.72994
(17021608)	3.81563 (17021608)	4.03288 (17021608)	
3603597.5	3.10577 (15021808)	3.22940 (15021808)	3.42259
(15021808)	3.55944 (15021808)	3.63307 (15021808)	
3603347.5	2.85517 (15021808)	2.88263 (15021808)	2.89034
(15021808)	2.83357 (15021808)	2.74956 (15021808)	
3603097.5	2.55830 (15111907)	2.57823 (16093005)	2.64518
(16093005)	2.63790 (16093005)	2.88059 (15092907)	
3602847.5	2.53271 (15102923)	2.70889 (15092907)	3.10305
(15092907)	3.42044 (15092907)	3.72664 (15092907)	
3602597.5	3.06602 (15092907)	3.32724 (15092907)	3.59979
(15092907)	3.76053 (15092907)	3.82404 (15092907)	
3602347.5	3.32682 (15092907)	3.41309 (15092907)	3.41217
(15092907)	3.63025 (17092807)	3.98716 (17092807)	
3602097.5	3.09261 (17092807)	3.40998 (17092807)	3.66479
(17092807)	3.78168 (17092807)	4.08178 (15092707)	
3601847.5	3.39443 (17092807)	3.49383 (17092807)	3.68800
(15092707)	3.91377 (15092707)	3.99662 (15092707)	
3601597.5	3.40145 (15092707)	3.62292 (15092707)	3.69978
(15092707)	3.61755 (15092707)	3.32402 (15092707)	
3601347.5	3.47338 (15092707)	3.44892 (15092707)	3.26994
(15092707)	2.92721 (15092707)	2.71177 (17102519)	
3601097.5	3.18034 (15092707)	2.94277 (15092707)	2.59034
(17102519)	2.60975 (16092705)	2.63071 (16092705)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA4
INCLUDING SOURCE(S): HMA4
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

**

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS) 505868.86
506118.86	506368.86		
3606097.5	4.67321 (17040507)	4.83657 (17040507)	4.35647
(17040507)	3.34188 (15041807)	4.06239 (16022608)	
3605847.5	4.27958 (17040507)	4.93518 (17040507)	5.29848
(17040507)	4.63964 (17040507)	3.69881 (17040507)	
3605597.5	3.57763 (16042007)	4.26149 (17040507)	5.22421
(17040507)	5.83395 (17040507)	5.22348 (17040507)	
3605347.5	3.42002 (17122409)	3.56720 (16042007)	4.12396
(16042007)	5.22118 (17040507)	6.16064 (17040507)	
3605097.5	3.43124 (17122409)	3.94827 (17122409)	4.00827
(17122409)	4.11788 (17111308)	4.89073 (17040507)	
3604847.5	3.80598 (15040307)	3.53988 (15040307)	4.07478
(17122409)	4.50389 (17122409)	4.73660 (17122409)	
3604597.5	4.56630 (15040307)	4.76898 (15040307)	4.51972
(15040307)	4.55044 (15040307)	4.41894 (17122409)	
3604347.5	4.94488 (16040507)	5.07966 (16040507)	4.94817
(16040507)	4.60881 (15040307)	4.84135 (15040307)	
3604097.5	4.73730 (16040507)	5.26750 (16040507)	5.48092
(16040507)	5.04695 (16040507)	4.67025 (16040507)	
3603847.5	4.25539 (17021608)	4.30591 (17021608)	4.38280
(15090707)	4.67796 (15090707)	4.91451 (15090707)	
3603597.5	3.77799 (15021808)	3.79115 (15021808)	3.76360
(15021808)	3.74663 (15021808)	3.73376 (15021808)	
3603347.5	2.79705 (17120403)	2.94751 (17120403)	3.07243
(17120403)	3.55150 (15092907)	3.93736 (15092907)	
3603097.5	3.27935 (15092907)	3.81811 (15092907)	4.19269
(15092907)	4.67414 (15092907)	4.73438 (15092907)	
3602847.5	3.98225 (15092907)	4.26391 (15092907)	4.23428
(15092907)	4.87418 (17092807)	5.23376 (17092807)	
3602597.5	3.94178 (17092807)	4.42558 (17092807)	4.60156
(17092807)	5.06004 (15092707)	5.22473 (15092707)	
3602347.5	4.22056 (17092807)	4.57272 (15092707)	4.75347
(15092707)	4.52597 (15092707)	3.67994 (15092707)	
3602097.5	4.29284 (15092707)	4.25713 (15092707)	3.92023
(15092707)	3.11504 (15092707)	2.76457 (17120405)	
3601847.5	3.78374 (15092707)	3.33157 (15092707)	2.70873
(16092705)	2.63966 (15021219)	2.61317 (17110223)	
3601597.5	2.84718 (15092707)	2.76955 (16092705)	2.63954
(16090906)	2.64966 (15090503)	2.96508 (16022508)	
3601347.5	2.72046 (16092705)	2.60507 (16090906)	2.62644
(15090503)	2.78825 (16022508)	3.22912 (16022508)	
3601097.5	2.59174 (17091905)	2.57899 (15090503)	2.75086
(17102503)	3.08722 (16022508)	3.16893 (16022508)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA4
INCLUDING SOURCE(S): HMA4
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS) 507118.86
507368.86	507618.86		
3606097.5	4.04670 (16022608)	4.33333 (17041607)	4.91785
(17021308)	5.73487 (17021508)	6.88409 (17021508)	
3605847.5	4.17158 (16022608)	4.30943 (17041607)	5.11692
(17041607)	5.04370 (17041607)	6.45045 (17021508)	
3605597.5	4.18713 (17040507)	4.54856 (15041807)	4.92098
(17041607)	6.05235 (17041607)	5.67249 (17031608)	
3605347.5	6.29556 (17040507)	4.77580 (17040507)	4.91365
(15041807)	5.10309 (17041607)	5.32407 (17041607)	
3605097.5	6.29566 (17040507)	7.07271 (17040507)	6.09620
(17040507)	6.33131 (15041807)	6.37310 (17041607)	
3604847.5	4.82992 (17111308)	6.11470 (17040507)	7.19975
(17040507)	7.43916 (15042907)	8.14857 (15041807)	
3604597.5	5.29033 (17122409)	5.76144 (17122409)	5.96143
(15042907)	8.07035 (15042907)	9.51003 (15042907)	
3604347.5	4.50426 (15040307)	4.48423 (17122009)	5.76256
(17122409)	6.90203 (17122409)	8.39355 (15042907)	
3604097.5	4.76330 (15090707)	5.06379 (15090707)	5.35386
(17120517)	5.84838 (17120517)	7.36688 (15021403)	
3603847.5	4.94635 (15090707)	5.29691 (15090707)	5.30941
(15090707)	5.69438 (15010809)	7.03372 (15012603)	
3603597.5	3.48692 (15090707)	3.33575 (17112808)	4.03941
(15031518)	4.84062 (15031419)	6.25263 (15031419)	
3603347.5	4.08471 (15092907)	3.59747 (16022808)	3.86786
(16022808)	4.66384 (16122120)	5.07023 (17041707)	
3603097.5	4.80294 (17092807)	4.85018 (15092707)	4.07730
(15092707)	4.29809 (17041707)	4.21496 (16010309)	
3602847.5	5.52539 (15092707)	4.93077 (15092707)	3.63076
(17041707)	4.04459 (16010309)	4.59997 (16010309)	
3602597.5	4.27945 (15092707)	3.11014 (15092707)	3.72982
(16010309)	4.31826 (16010309)	4.69811 (16091807)	
3602347.5	2.95103 (17120405)	3.26223 (16010309)	3.92144
(16010309)	4.19129 (16091807)	6.16003 (16091807)	
3602097.5	2.85007 (16010309)	3.46208 (16010309)	3.56345
(16010309)	5.43772 (16091807)	6.66857 (16091807)	
3601847.5	3.07972 (16010309)	3.37394 (16022508)	4.39530
(16091807)	6.01135 (16091807)	6.44684 (16091807)	
3601597.5	3.35320 (16022508)	3.51492 (16091807)	5.07226
(16091807)	6.09097 (16091807)	5.83105 (16091807)	
3601347.5	3.19238 (16022508)	4.20207 (16091807)	5.46954
(16091807)	5.90873 (16091807)	5.11474 (16091807)	
3601097.5	3.43703 (16091807)	4.70318 (16091807)	5.54820
(16091807)	5.47995 (16091807)	4.42932 (16091807)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA4
INCLUDING SOURCE(S): HMA4
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS) 508368.86
508618.86	508868.86		
3606097.5	24.13073 (17020920)	21.49832 (17011402)	25.90682
(16060301)	7.54342 (15010103)	18.48237 (16031023)	
3605847.5	5.95870 (16021807)	5.23399 (16083107)	23.15562
(15121702)	30.13421 (15010907)	12.62410 (17120924)	
3605597.5	8.73534 (15010807)	6.01431 (17021508)	5.69207
(16083107)	4.59732 (15011409)	5.50851 (15122306)	
3605347.5	7.06430 (17021508)	5.97698 (17021508)	18.83162
(16020207)	36.17552 (17020819)	4.73742 (16083007)	
3605097.5	6.21371 (16012809)	5.74279 (17022721)	23.05090
(15121906)	15.19871 (15112808)	49.19327 (15021924)	
3604847.5	7.50625 (17041607)	6.96112 (17022719)	61.16553
(16120106)	18.24095 (15112808)	5.30958 (16111708)	
3604597.5	8.97673 (17012220)	10.39238 (15011105)	92.92195
(15022305)	23.01978 (15112808)	7.65609 (16111708)	
3604347.5	10.78353 (15042907)	15.02694 (15010602)	18.01479
(16122324)	68.82292 (16120120)	96.48653 (15101307)	
3604097.5	11.79801 (17011824)	15.90721 (15010601)	30.53704
(16122323)	15.58150 (17012016)	14.66189 (17012017)	
3603847.5	11.21586 (15031421)	19.70710 (15012602)	16.54509
(16110907)	36.71462 (16020104)	22.69763 (16013119)	
3603597.5	9.83646 (16122120)	9.82472 (15110323)	9.02728
(15122610)	22.58295 (16041618)	131.20880 (17010220)	
3603347.5	4.89813 (17041707)	6.19733 (15092119)	6.67299
(17112705)	9.52397 (15041720)	51.59565 (15013001)	
3603097.5	4.54099 (16010309)	4.57288 (15092119)	5.79198
(15123109)	6.44984 (15083007)	7.06001 (15120809)	
3602847.5	4.09719 (16091807)	3.98941 (16012209)	5.19253
(15123109)	5.24563 (15083007)	5.47401 (17122509)	
3602597.5	5.91382 (16091807)	3.95399 (17052207)	4.87212
(16121509)	4.56004 (15083007)	5.08734 (17122509)	
3602347.5	6.24649 (16091807)	3.87896 (15091307)	4.52271
(16121509)	4.33000 (15091207)	4.94407 (17031208)	
3602097.5	5.81341 (16091807)	4.01951 (15091307)	4.16583
(16121509)	3.97925 (15091207)	5.68356 (17031208)	
3601847.5	5.08521 (16091807)	3.97400 (15091307)	3.89636
(16121509)	3.69459 (16082907)	5.81908 (17031208)	
3601597.5	4.26280 (16091807)	3.87516 (15091307)	3.62661
(16121509)	3.68564 (16082907)	5.76744 (17031208)	
3601347.5	3.55334 (17111908)	3.66746 (15091307)	3.44029
(16121509)	3.61529 (16082907)	5.44634 (17031208)	
3601097.5	3.29932 (17111908)	3.47248 (15091307)	3.28047
(16121509)	3.54275 (16082907)	4.91189 (17031208)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HMA4
INCLUDING SOURCE(S): HMA4
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS) 509618.86
509868.86	510118.86		
3606097.5	3.51636 (15112808)	32.67334 (15122821)	3.56788
(16083007)	2.17975 (16083007)	1.44420 (17091007)	
3605847.5	11.86774 (15021924)	5.66313 (16083007)	4.92722
(16083007)	2.64128 (16081907)	2.12356 (17121809)	
3605597.5	9.09138 (15033023)	9.73429 (16120518)	29.53945
(17021903)	39.80611 (16021524)	2.95195 (15082707)	
3605347.5	6.22768 (15121319)	6.47472 (17021903)	7.20915
(16121519)	23.60369 (17040402)	3.69182 (15082707)	
3605097.5	8.03659 (15122821)	4.28571 (16092207)	29.76809
(17040402)	24.08518 (16120221)	9.45731 (15121624)	
3604847.5	4.58420 (17091007)	2.75685 (17012509)	4.98960
(15082707)	4.13885 (15082707)	21.86857 (17110207)	
3604597.5	5.31035 (16092207)	5.52095 (15082707)	3.07435
(16082307)	2.82918 (16082307)	6.51874 (16040707)	
3604347.5	54.33144 (15121624)	46.94528 (15083124)	7.59264
(16040707)	2.61034 (16041207)	2.37690 (16041207)	
3604097.5	38.55909 (17122021)	65.84612 (15120702)	10.82240
(17062901)	2.48327 (16042722)	2.03756 (16042722)	
3603847.5	20.40744 (16121119)	50.17082 (16020418)	25.80319
(15082523)	6.32794 (15062407)	3.79528 (17030408)	
3603597.5	36.27134 (15011301)	66.94875 (15012119)	54.85497
(17040401)	44.19373 (15013107)	22.11164 (15013107)	
3603347.5	42.30264 (17010921)	74.02253 (16120121)	7.03201
(16021819)	58.97946 (17022805)	11.14840 (17021020)	
3603097.5	58.70932 (15021604)	8.76324 (17061807)	6.58983
(17061807)	5.20479 (15022609)	4.99647 (17122709)	
3602847.5	7.54351 (16122809)	6.93515 (17061807)	7.37950
(17061807)	6.43525 (17061807)	5.59182 (15022609)	
3602597.5	5.95887 (16122809)	5.62451 (16122809)	6.47799
(17122909)	6.87331 (17061807)	5.96241 (17061807)	
3602347.5	4.44448 (16122809)	5.59342 (16122809)	5.90310
(17122909)	5.81796 (17122909)	6.09232 (17061807)	
3602097.5	4.20005 (17031208)	4.84540 (16122809)	5.13660
(17082907)	5.58601 (17122909)	6.05238 (17122909)	
3601847.5	5.30350 (17031208)	3.88900 (16122809)	5.28380
(17082907)	5.00083 (17082907)	5.32262 (17122909)	
3601597.5	5.87057 (17031208)	3.69600 (17031208)	4.62842
(17082907)	5.45414 (17082907)	4.69436 (17082907)	
3601347.5	6.05017 (17031208)	4.45138 (17031208)	3.66993
(17082907)	5.21438 (17082907)	5.31654 (17082907)	
3601097.5	5.90153 (17031208)	4.87811 (17031208)	3.10294
(17082607)	4.49680 (17082907)	5.30178 (17082907)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HMA4
 INCLUDING SOURCE(S): HMA4 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

**

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS) 510868.86
511118.86			
3606097.5	1.49981 (16081907)	1.20842 (16081907)	1.38425
(15082707)	1.52883 (15082707)		
3605847.5	2.10095 (17121809)	1.47913 (15082707)	1.59233
(15082707)	1.53415 (15082707)		
3605597.5	1.59407 (15082707)	1.68160 (15082707)	1.54255
(15082707)	1.44648 (16082307)		
3605347.5	2.60941 (17032908)	2.46562 (17122309)	2.50193
(16082307)	1.93064 (16082307)		
3605097.5	3.23958 (15082707)	2.87685 (16082307)	2.16090
(16082307)	1.94909 (16082307)		
3604847.5	11.04042 (17110207)	5.52244 (16040707)	3.29152
(16040707)	5.35664 (16040707)		
3604597.5	6.56907 (16040707)	17.84430 (16030702)	8.62650
(16030702)	3.28097 (17082707)		
3604347.5	2.45782 (17082707)	3.77671 (17082707)	2.48968
(17082707)	2.21712 (17082707)		
3604097.5	2.03596 (17082707)	1.94632 (17082707)	1.92003
(17082707)	1.89204 (17082707)		
3603847.5	3.90569 (17030408)	1.79912 (17010309)	1.71509
(15062207)	1.78987 (15062407)		
3603597.5	22.27752 (15013107)	4.38990 (15062407)	3.04148
(17122709)	2.09539 (17082908)		
3603347.5	41.33372 (16121123)	8.25882 (15091922)	2.60342
(17082908)	2.40851 (17082908)		
3603097.5	39.02572 (15042106)	4.24089 (17122709)	3.19370
(15022408)	2.35667 (15022408)		
3602847.5	4.47566 (15022609)	3.91212 (16020517)	3.58467
(15022408)	3.49048 (17122709)		
3602597.5	8.48314 (17011718)	3.16639 (15022609)	3.24965
(17062207)	11.86897 (15011301)		
3602347.5	5.75845 (17061807)	4.79069 (15022609)	23.13265
(16120121)	6.62117 (15022021)		
3602097.5	6.01939 (17061807)	4.92918 (17061807)	4.11173
(17061807)	4.43899 (15022609)		
3601847.5	5.48450 (17061807)	4.99239 (17061807)	4.45255
(17061807)	3.75291 (17061807)		
3601597.5	5.01166 (17122909)	4.42593 (17061807)	4.68824
(17061807)	4.05068 (17061807)		
3601347.5	4.34896 (17102808)	4.15469 (17102808)	4.01599
(17061807)	4.22922 (17061807)		
3601097.5	4.45244 (17082907)	4.23199 (17102808)	3.87520
(17102808)	3.85977 (17061807)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HMA4
 INCLUDING SOURCE(S): HMA4 ,
 *** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD
(M)	Y-COORD (M)	CONC	(YYMMDDHH)	
508226.78	3603955.63	28.04363	(16111020)	
507708.67	3603932.32	8.37761	(15012603)	
506203.59	3603369.23	3.53549	(15092907)	
507919.87	3604794.52	7.42761	(17041607)	
507037.89	3604916.08	7.37288	(17040507)	
*** AERMOD - VERSION 18081 ***				
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*** AERMET - VERSION 18081 ***				
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HSI1
INCLUDING SOURCE(S): HSI1
*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504868.86	504618.86
505118.86	504368.86

3606097.5	13.39435	(16020408)	14.21513	(15011008)	17.08015
(16012908)	19.45427	(16012908)	19.96490	(17020308)	
3605847.5	16.47889	(15040607)	15.46334	(15040607)	16.03580
(16020408)	17.82551	(15011008)	22.25935	(16012908)	
3605597.5	16.34433	(15040607)	18.47518	(15040607)	20.11538
(15040607)	19.60049	(15040607)	20.97070	(16020408)	
3605347.5	15.42022	(17012508)	15.78963	(15011608)	17.52145
(15040607)	20.02019	(15040607)	23.66785	(15040607)	
3605097.5	15.99069	(16122808)	16.85302	(17010407)	18.90612
(17012508)	18.95703	(17012508)	20.61505	(15011608)	
3604847.5	21.92474	(15040307)	22.65228	(15040307)	21.51918
(15040307)	20.36804	(16122808)	22.65213	(16122808)	
3604597.5	18.91385	(17092707)	19.78926	(17092707)	20.21546
(17092707)	24.19186	(15040307)	28.78938	(15040307)	
3604347.5	19.77448	(16040507)	20.06518	(16040507)	20.34961
(16040507)	21.08333	(16011421)	23.93127	(16011421)	
3604097.5	16.52332	(17011708)	18.60083	(17011708)	20.09327
(17011708)	22.11512	(17011708)	24.63767	(17011708)	
3603847.5	19.12296	(17021608)	20.39523	(17021608)	22.30741
(17021608)	23.39554	(17021608)	26.15111	(17122608)	
3603597.5	16.07737	(17021608)	16.30779	(17021608)	18.14319
(15021102)	20.20354	(15021102)	21.96741	(15021102)	
3603347.5	15.01305	(17122908)	16.69043	(17122908)	18.52034
(17122908)	20.04881	(17122908)	21.82113	(16010308)	
3603097.5	14.49459	(17021402)	15.88738	(17011719)	17.17736
(15012720)	19.69645	(15012720)	21.07530	(16021602)	
3602847.5	14.28682	(16021602)	15.11343	(16012803)	17.14492
(16012803)	18.59712	(16011702)	20.44492	(17120906)	
3602597.5	14.07516	(17120906)	15.21937	(17120906)	17.78070
(15092907)	22.41974	(15092907)	25.72744	(15092907)	
3602347.5	18.58807	(15092907)	21.22575	(15092907)	22.08897
(15092907)	20.43713	(15092907)	19.99391	(17092807)	

3602097.5	18.64778	(15092907)	16.27334	(15092907)	18.68534
(17092807)	23.45179	(17092807)	25.16069	(17092807)	
3601847.5	17.49095	(17092807)	21.10034	(17092807)	21.91861
(17092807)	25.76926	(15092707)	30.55159	(15092707)	
3601597.5	19.79512	(17092807)	22.27085	(15092707)	26.52313
(15092707)	26.70429	(15092707)	21.65680	(15092707)	
3601347.5	23.65314	(15092707)	24.79073	(15092707)	21.88584
(15092707)	15.70069	(15092707)	10.84576	(17122105)	
3601097.5	21.55692	(15092707)	17.06170	(15092707)	11.11811
(15092707)	9.78918	(17122105)	10.46913	(15121422)	
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: HSI1
INCLUDING SOURCE(S): HSI1
*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86
506368.86	505618.86

3606097.5	28.01520	(17040507)	28.04760	(17040507)	27.09960
(17020108)	26.65403	(16121408)	39.38118	(16120208)	
3605847.5	24.87062	(17020308)	27.91562	(17040507)	32.93940
(17040507)	30.63122	(17020108)	30.95196	(16121408)	
3605597.5	23.33666	(16011506)	28.99172	(16012908)	31.20205
(17020308)	37.53571	(17040507)	34.79412	(17020108)	
3605347.5	24.02154	(15121608)	26.49954	(16020408)	31.19070
(16011506)	38.06443	(17020308)	39.49294	(15021008)	
3605097.5	23.04002	(15040607)	28.47818	(15040607)	31.24796
(15121608)	34.80269	(16020408)	43.02749	(16012908)	
3604847.5	23.88451	(17012508)	26.07765	(17012508)	30.56420
(15011608)	33.78078	(17012703)	41.68109	(15121608)	
3604597.5	27.76480	(15040307)	28.36936	(16122808)	30.64162
(16122808)	34.99212	(17012508)	40.86880	(17012508)	
3604347.5	27.39920	(15122708)	31.18131	(17122422)	33.66900
(16020401)	34.30976	(15020702)	41.32480	(16011108)	
3604097.5	27.66561	(17011708)	33.05471	(17011708)	35.74843
(17011708)	36.24255	(16120722)	40.17275	(16120722)	
3603847.5	30.14658	(17122608)	33.12821	(17122608)	35.21189
(17122608)	40.48636	(17122608)	45.79295	(17122608)	
3603597.5	24.96427	(15021102)	27.25220	(16012807)	30.28357
(16012807)	35.11485	(15011603)	44.80389	(17122908)	
3603347.5	23.96446	(16010308)	26.54720	(17011719)	30.26791
(17011719)	35.93271	(15012720)	42.14208	(16021602)	
3603097.5	22.41945	(16021602)	26.25242	(16012803)	29.18021
(16011702)	35.13340	(15011506)	41.24749	(16021406)	
3602847.5	22.44344	(15011506)	28.10727	(15092907)	32.19958
(15092907)	33.94050	(17122824)	40.92982	(17010708)	
3602597.5	26.15132	(15092907)	24.87118	(17010704)	30.95278
(17092807)	35.61548	(17092807)	49.18034	(15092707)	
3602347.5	27.14862	(17092807)	29.73683	(17092807)	38.41708
(15092707)	40.95453	(15092707)	28.62927	(15092707)	

Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	30.91078 (15092707)	35.08989 (15092707)	30.40274
(15092707)	18.39296 (17122302)	19.74620 (15121422)	
3601847.5	28.69098 (15092707)	20.67035 (15092707)	15.32965
(17122105)	16.93259 (15121422)	18.18388 (16121224)	
3601597.5	13.59954 (15092707)	13.05667 (15022607)	14.33209
(17012504)	15.55904 (16121224)	16.52421 (17121505)	
3601347.5	11.56483 (15012201)	12.50980 (17012504)	13.40386
(16020405)	14.23679 (17121505)	15.14253 (15120324)	
3601097.5	11.18231 (17021905)	11.88632 (16020405)	12.69756
(17121505)	13.44682 (15120324)	13.98665 (16021923)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HSI1 ***
 INCLUDING SOURCE(S): HSI1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	48.84683 (16120208)	35.71214 (15121708)	54.27004
(17021308)	71.93083 (15021508)	65.63838 (17010724)	
3605847.5	44.52626 (16120208)	54.25348 (16120208)	46.88035
(16010908)	76.18156 (15021508)	71.03407 (15121303)	
3605597.5	36.49148 (17020202)	50.42228 (16120208)	56.60279
(16120208)	66.36384 (15122808)	94.86119 (15021508)	
3605347.5	42.58337 (15121803)	46.48938 (17020108)	56.23327
(16120208)	61.50841 (15121708)	61.37332 (17021308)	
3605097.5	50.45554 (17020308)	54.85463 (15120308)	67.05358
(17020108)	77.37080 (16120208)	82.89813 (15121708)	
3604847.5	48.04628 (16020408)	65.44671 (16012908)	75.29448
(15021008)	100.24335 (17020108)	123.39370 (16120208)	
3604597.5	48.54985 (17121424)	60.66259 (15121608)	74.65474
(16020408)	110.93345 (17020308)	148.22032 (17020108)	
3604347.5	50.13996 (16122808)	57.61245 (17012508)	73.00235
(15011608)	97.62818 (15012401)	135.57327 (16011506)	
3604097.5	48.59982 (16011421)	60.60399 (15122708)	77.81100
(17020524)	94.43963 (17013020)	137.35468 (16122808)	
3603847.5	51.87794 (17122608)	63.10595 (17122608)	78.13258
(17122608)	102.97146 (17122608)	144.17624 (17122608)	
3603597.5	52.05749 (17122908)	60.14627 (17122908)	73.42702
(17011719)	90.55019 (15012720)	121.43305 (16012803)	
3603347.5	49.70031 (16012803)	56.71562 (17120906)	71.55378
(16021406)	94.37324 (17122824)	112.70096 (17121308)	
3603097.5	48.24256 (17121720)	56.61451 (17010708)	67.09195
(17121308)	73.28061 (16021107)	61.21005 (15121422)	
3602847.5	48.25851 (17121308)	58.77359 (15092707)	43.69009
(15092707)	44.73447 (15121422)	49.05466 (17121505)	
3602597.5	43.53700 (15092707)	30.64992 (16011206)	35.27546
(17012504)	36.98588 (17121505)	41.56872 (16122704)	
3602347.5	24.08407 (15022607)	27.10400 (17021905)	29.51839
(17121505)	31.81299 (16021923)	34.84061 (17011624)	

3602097.5	21.38067 (16121224)	23.58766 (17121505)	25.39394
(17010801)	27.61190 (17012722)	32.22640 (17022103)	
3601847.5	19.40255 (17121505)	21.19911 (17010801)	22.12294
(16122704)	26.69591 (17040807)	27.91611 (15021805)	
3601597.5	17.53276 (16121724)	18.98197 (16122704)	20.01875
(17011624)	23.09227 (17040807)	34.31562 (17020408)	
3601347.5	16.01342 (16022007)	17.15540 (16120304)	23.98266
(17040807)	22.59482 (15041007)	41.32547 (17020408)	
3601097.5	14.90913 (17012722)	18.88744 (17040807)	18.86850
(17040807)	24.59120 (17020408)	42.19647 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HSI1 ***
 INCLUDING SOURCE(S): HSI1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	39.82677 (17070706)	42.38511 (15022002)	21.75987
(17022408)	13.59710 (16112208)	37.52249 (17032607)	
3605847.5	82.06420 (16012808)	97.16082 (16120908)	52.14041
(17022408)	36.65391 (15111919)	86.99694 (17032607)	
3605597.5	81.94393 (17021508)	55.21500 (16021807)	57.46684
(16120106)	64.73617 (15010907)	98.49132 (17020819)	
3605347.5	59.29464 (15021508)	64.18750 (17021508)	72.24850
(17022408)	34.80516 (16112208)	123.63902 (17120924)	
3605097.5	97.56780 (15021508)	144.98087 (16012808)	40.34930
(17022408)	28.12850 (16112208)	40.29483 (17032607)	
3604847.5	185.36183 (17021107)	171.24414 (15121303)	80.29808
(17022408)	38.97411 (16112208)	24.26344 (17032607)	
3604597.5	182.89554 (15120408)	168.33252 (15021508)	64.93680
(15013009)	69.80334 (17032607)	34.20985 (16111708)	
3604347.5	200.75483 (15021008)	283.85723 (15120408)	259.30127
(17102907)	204.79966 (17032607)	59.97908 (17022620)	
3604097.5	215.01361 (15011608)	382.11333 (16012908)	723.83013
(15121708)	952.85079 (15122908)	409.20281 (16021003)	
3603847.5	223.93629 (17122608)	375.58527 (17122608)	1043.49906
(17011708)	5053.92701 (17122021)	395.95850 (15061006)	
3603597.5	190.15973 (16021406)	295.02244 (17121308)	375.34627
(17010801)	431.60056 (16021308)	198.91027 (16013009)	
3603347.5	108.18335 (16021107)	131.00154 (15120324)	213.78441
(16012324)	308.68936 (15021621)	108.61602 (16022919)	
3603097.5	74.61688 (16020219)	94.78155 (17022103)	122.61036
(16010204)	183.69342 (16022219)	167.32121 (15011507)	
3602847.5	58.87376 (17012722)	74.92739 (15021805)	82.44901
(17122619)	101.08519 (17122205)	97.06947 (16022321)	
3602597.5	51.34797 (17022103)	79.18329 (17020408)	61.99889
(16010118)	73.49016 (17122205)	70.96242 (17123106)	
3602347.5	41.99000 (15021805)	65.05865 (17020408)	47.90826
(17122005)	57.45771 (17121519)	56.18032 (16121418)	

Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	51.03222 (17020408)	43.94673 (17020408)	38.49461
(16122020)	46.15390 (15121123)	45.30407 (17121306)	
3601847.5	54.37901 (17020408)	30.67493 (17020905)	32.03574
(16022802)	38.34232 (15121123)	37.54584 (15021622)	
3601597.5	47.44914 (17020408)	26.62214 (17122619)	27.10634
(16012923)	32.60555 (15121123)	32.67007 (16112308)	
3601347.5	37.01135 (17020408)	22.96508 (15022601)	23.63737
(16012923)	28.16411 (15121123)	30.35029 (16112308)	
3601097.5	26.31992 (17020408)	20.62917 (16010118)	21.08483
(17010402)	24.75845 (15121123)	27.42128 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HSI1 ***
 INCLUDING SOURCE(S): HSI1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	19.70808 (17032607)	13.55301 (15121322)	10.30933
(16111708)	7.76218 (17020109)	5.88281 (17020109)	
3605847.5	13.00380 (17032607)	66.51995 (15033023)	16.51825
(16083007)	7.55379 (17020109)	8.31031 (16092207)	
3605597.5	69.34435 (15021924)	64.50203 (17060105)	37.36329
(15092321)	18.22530 (15022123)	10.39377 (17121809)	
3605347.5	98.70586 (15033023)	86.43193 (16120518)	86.42292
(17022521)	19.75121 (16092207)	10.46709 (17121809)	
3605097.5	25.66321 (16083007)	11.24996 (17020109)	24.21020
(16092207)	50.78926 (17090523)	12.76261 (15110508)	
3604847.5	19.31278 (16111708)	16.38036 (16092207)	14.04440
(17121809)	11.51208 (15022724)	14.35724 (15022818)	
3604597.5	21.33153 (16092207)	17.16998 (17121809)	12.11903
(15082707)	13.22530 (17032608)	20.58075 (17032608)	
3604347.5	40.08637 (17012305)	33.93965 (15022818)	41.08873
(17032608)	50.02192 (16040707)	43.52089 (16040707)	
3604097.5	123.99643 (16040707)	76.09678 (16040707)	29.94840
(16040707)	18.88556 (17082707)	17.16806 (16090707)	
3603847.5	169.92867 (15061006)	83.13214 (15021202)	36.27693
(17030408)	25.32857 (17030408)	20.76844 (15062407)	
3603597.5	97.83619 (15022408)	51.27599 (17122709)	38.70856
(17010520)	29.93714 (15020117)	22.29899 (15061907)	
3603347.5	101.53877 (16013009)	67.16336 (16040807)	145.98462
(16100807)	39.22390 (15022408)	84.20672 (17040401)	
3603097.5	55.22195 (17020419)	148.91007 (17122124)	123.43337
(17022804)	144.56828 (17011308)	140.34588 (16121122)	
3602847.5	144.54005 (17120621)	96.84200 (16121022)	81.76141
(16121120)	93.87702 (16121203)	74.45905 (17121101)	
3602597.5	69.87338 (16121220)	86.34356 (15020908)	71.11193
(16010421)	66.81481 (16121120)	67.15345 (16122817)	
3602347.5	53.52917 (17010624)	57.08590 (17120621)	68.83555
(17021408)	54.00734 (16010421)	50.49407 (17122518)	

3602097.5	43.61316 (15021419)	41.34645 (17010406)	53.74950
(17120621)	50.15557 (17021408)	84.46427 (15011201)	
3601847.5	37.18583 (15011921)	37.45126 (15022808)	35.36208
(16121008)	44.88502 (15020908)	40.87111 (16121022)	
3601597.5	31.77047 (16122021)	38.00056 (15022808)	28.56989
(17010406)	36.76531 (17120621)	38.35626 (17021408)	
3601347.5	28.11986 (17031208)	29.39283 (15022808)	25.21554
(16121220)	25.49819 (16121008)	32.56249 (15020908)	
3601097.5	24.47401 (16121418)	23.98595 (17011319)	30.21518
(15022808)	21.61517 (16092807)	26.81986 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HSI1 ***
 INCLUDING SOURCE(S): HSI1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			

3606097.5	7.97753 (16092207)	8.75970 (17121809)	7.69953
(17121809)	5.89235 (17032908)		
3605847.5	9.51561 (17121809)	8.43012 (17121809)	6.52306
(17032908)	6.50902 (15082707)		
3605597.5	9.32890 (17121809)	7.25791 (17032908)	7.05571
(15082707)	5.25624 (15082707)		
3605347.5	8.10941 (17032908)	7.43096 (15082707)	4.67999
(15082707)	5.89943 (17122309)		
3605097.5	7.42312 (15082707)	5.99493 (17122309)	9.68185
(17122309)	11.61665 (17122309)		
3604847.5	13.36784 (16082307)	13.76762 (17122309)	21.01252
(16040707)	29.07168 (16040707)		
3604597.5	31.85318 (16040707)	37.83202 (16040707)	32.02280
(16040707)	21.82778 (16040707)		
3604347.5	25.92166 (16040707)	12.68444 (16040707)	11.22385
(17082707)	11.32747 (17082707)		
3604097.5	17.02205 (16090707)	16.01764 (16090707)	14.65085
(16090707)	13.19417 (16090707)		
3603847.5	18.61259 (15062407)	16.91004 (15062407)	15.52579
(15062407)	14.37448 (15062407)		
3603597.5	21.26310 (15061907)	16.59632 (15061907)	13.78454
(17042907)	12.05166 (17042907)		
3603347.5	37.98863 (15091922)	13.67157 (17082908)	8.38790
(17122709)	6.88556 (15061907)		
3603097.5	38.08901 (15022408)	20.61365 (15022408)	11.59186
(17122709)	10.79556 (17122709)		
3602847.5	107.19227 (15121020)	38.12158 (16040807)	33.97996
(15022408)	23.57018 (15022408)		
3602597.5	69.55508 (15031607)	30.37832 (16040807)	40.44386
(16040807)	32.41423 (16040807)		
3602347.5	55.88291 (15013018)	69.77406 (17010220)	36.90323
(16071324)	60.02546 (16040807)		

Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	91.95002 (17040307)	38.42694 (17122124)	38.91125
(16121203)	36.04788 (17022804)		
3601847.5	68.03329 (16010601)	33.74168 (17122518)	30.97737
(17122124)	29.92892 (16122817)		
3601597.5	35.07835 (16121022)	30.55287 (17011224)	30.01669
(17122518)	25.60055 (17122124)		
3601347.5	31.97515 (17021408)	24.77045 (16121022)	25.89571
(17011224)	24.75508 (17122518)		
3601097.5	28.12387 (15020908)	25.51698 (17021408)	22.17983
(16010421)	23.48039 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: HSI1 ***
 INCLUDING SOURCE(S): HSI1 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD
(M)	Y-COORD (M)	CONC	(YYMMDDHH)	
508226.78	3603955.63	520.39090	(17012508)	
507708.67	3603932.32	156.29842	(16120722)	
506203.59	3603369.23	37.84539	(15012720)	
507919.87	3604794.52	175.40270	(15122808)	
507037.89	3604916.08	69.32181	(15021008)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD	X-COORD (METERS)
(METERS)	
504868.86	504368.86
	504618.86

3606097.5	20.45167 (17020308)	20.59087 (17010508)	24.05508
(17040507)	25.20870 (17040507)	25.00513 (17020108)	
3605847.5	18.56234 (16012908)	21.93345 (17020308)	22.86665
(17020308)	25.90000 (17040507)	29.04381 (17040507)	

3605597.5	21.27733 (16020408)	20.47343 (16020408)	22.27855
(17020308)	26.36180 (17020308)	27.12420 (17010508)	
3605347.5	30.66902 (15120108)	26.08573 (15120108)	24.49257
(16020408)	23.25915 (16020408)	27.56670 (17020308)	
3605097.5	39.11596 (15120108)	39.56945 (15120108)	37.23430
(15120108)	31.95717 (15120108)	28.62237 (16020408)	
3604847.5	34.93303 (15120108)	40.77868 (15120108)	44.85404
(15120108)	46.77567 (15120108)	46.29202 (15120108)	
3604597.5	24.12780 (17032907)	28.46668 (15120108)	36.66038
(15120108)	45.79669 (15120108)	55.38477 (15120108)	
3604347.5	28.54035 (15012708)	29.25804 (15012708)	29.72644
(15012708)	29.81420 (17032907)	38.02820 (15120108)	
3604097.5	27.24234 (16020508)	30.33317 (15012708)	33.16176
(15012708)	36.21095 (15012708)	39.14742 (15012708)	
3603847.5	21.16912 (16020508)	24.62587 (16020508)	29.02894
(16020508)	32.71014 (16020508)	37.58960 (16020508)	
3603597.5	24.01142 (15013008)	25.57050 (15013008)	27.88918
(15013008)	29.89519 (15013008)	31.45199 (15013008)	
3603347.5	27.06938 (17121208)	28.95893 (17121208)	31.11944
(17121208)	33.28440 (17121208)	35.79832 (17121208)	
3603097.5	26.86109 (17121208)	28.64318 (17121208)	30.62318
(17121208)	33.45038 (17121208)	35.56861 (17121208)	
3602847.5	18.30246 (16121222)	20.41002 (17121708)	23.26708
(17121708)	25.99521 (17121708)	29.09679 (17121708)	
3602597.5	23.21429 (17121708)	24.75987 (17121708)	26.45017
(17121708)	27.72907 (17121708)	28.76309 (17121708)	
3602347.5	18.54207 (17121708)	19.75279 (15021021)	21.19652
(15021021)	22.31762 (15021021)	24.04434 (15121719)	
3602097.5	17.59129 (15121719)	19.07066 (17122621)	20.49319
(16010301)	22.08181 (17021924)	23.96459 (17021924)	
3601847.5	17.79771 (17021924)	19.44123 (15092907)	22.29783
(15092907)	24.10138 (15092907)	24.35817 (15092907)	
3601597.5	21.63279 (15092907)	22.01337 (15092907)	20.87428
(15011108)	23.63862 (15011108)	25.37637 (15011108)	
3601347.5	18.56726 (15011108)	20.39443 (15011108)	22.94244
(17092807)	24.44777 (17092807)	31.80499 (15092707)	
3601097.5	21.70673 (17092807)	22.83464 (17092807)	28.49871
(15092707)	33.72424 (15092707)	34.23052 (15092707)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD	X-COORD (METERS)
(METERS)	
506118.86	505368.86
	505618.86
	505868.86

3606097.5	26.97878 (17020108)	33.58633 (15032407)	51.89053
(16120208)	55.84499 (16120208)	45.65134 (16120208)	
3605847.5	27.06713 (17020108)	30.59056 (17020108)	37.61718
(15032407)	53.81111 (16120208)	58.71142 (16120208)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	31.36050 (17040507)	29.30816 (17040507)	35.22557
(17020108)	43.10812 (15032407)	59.27920 (16120208)	
3605347.5	30.65737 (17020308)	32.76576 (15021008)	33.87140
(15120308)	39.72135 (17020108)	48.59981 (15032407)	
3605097.5	27.05305 (16012908)	34.41773 (17020308)	36.34167
(17010508)	39.11455 (15120308)	44.16922 (17020108)	
3604847.5	40.05730 (15120108)	34.07860 (16020408)	35.11072
(17020308)	41.54528 (17020308)	45.14427 (15021008)	
3604597.5	56.84414 (15120108)	57.19328 (15120108)	51.63383
(15120108)	41.67068 (16020408)	45.87867 (17020308)	
3604347.5	50.67455 (15120108)	63.45774 (15120108)	71.41690
(15120108)	73.36198 (15120108)	69.08112 (15120108)	
3604097.5	41.56935 (15012708)	44.93051 (15012708)	53.76141
(15120108)	69.28226 (15120108)	86.14197 (15120108)	
3603847.5	43.11984 (15012708)	48.68911 (15012708)	52.52180
(15012708)	58.14543 (15012708)	61.28138 (15012708)	
3603597.5	34.08805 (15013008)	35.65665 (15013008)	40.53046
(16020508)	48.79058 (16020508)	59.37161 (16020508)	
3603347.5	38.67246 (17121208)	41.97159 (17121208)	45.76944
(17121208)	50.89507 (17121208)	56.52790 (17121208)	
3603097.5	38.34094 (17121208)	42.19153 (17121208)	45.86482
(17121208)	51.44266 (17121208)	57.76255 (17121208)	
3602847.5	32.56083 (17121708)	37.04310 (17121708)	41.03709
(17121708)	46.44712 (17121708)	52.06953 (17121708)	
3602597.5	29.48573 (17121708)	30.58030 (15021021)	33.37503
(15021021)	37.21680 (15121719)	43.11695 (16010301)	
3602347.5	26.72508 (17122621)	29.95240 (16010301)	32.88069
(17010103)	36.51538 (17011921)	41.56325 (15011108)	
3602097.5	26.12397 (17012206)	28.64335 (16122906)	34.76068
(15011108)	38.95816 (15011108)	44.55695 (16031707)	
3601847.5	28.17399 (15011108)	31.28762 (15011108)	35.26136
(16031707)	41.82024 (16031707)	43.78735 (16031707)	
3601597.5	28.47187 (16031707)	35.65638 (15092707)	39.88585
(15092707)	36.73536 (15092707)	35.96226 (15032207)	
3601347.5	36.46148 (15092707)	35.44238 (15092707)	30.69619
(15032207)	28.91558 (15032207)	24.95121 (17122924)	
3601097.5	29.54337 (15092707)	26.33593 (15032207)	23.47664
(15032207)	22.24084 (15010718)	23.81877 (16032607)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: OFFRD
 INCLUDING SOURCE(S): OFFRD ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	34.87513 (16120708)	49.98719 (15021508)	78.68445
(15021508)	51.46143 (15021508)	76.82642 (17021508)	
3605847.5	44.57524 (16120208)	35.90560 (17021401)	68.36187
(15021508)	81.07656 (15021508)	72.64117 (17021508)	

3605597.5	62.26997 (16120208)	49.32928 (16120708)	49.79667
(15021508)	95.09636 (15021508)	62.04499 (15021508)	
3605347.5	70.17882 (16120208)	66.70055 (16120208)	54.61905
(16120708)	62.73359 (15021508)	68.96992 (15021508)	
3605097.5	55.42896 (15032407)	79.14136 (16120208)	81.26103
(16120208)	58.58313 (16120708)	87.06635 (15021508)	
3604847.5	49.10082 (17020108)	65.29630 (15032407)	90.14972
(16120208)	88.88747 (16120208)	85.08401 (15021508)	
3604597.5	51.68478 (17010508)	55.84864 (15120308)	77.04425
(15032407)	102.72580 (17013108)	108.68741 (16120708)	
3604347.5	55.84088 (15120108)	60.08079 (17020308)	66.02320
(15021008)	91.98702 (15032407)	125.14766 (17013108)	
3604097.5	97.14191 (15120108)	96.71592 (15120108)	81.49757
(15120108)	80.51345 (17010508)	106.43012 (15032407)	
3603847.5	77.18496 (15120108)	107.11825 (15120108)	132.38031
(15120108)	142.34266 (15120108)	129.83677 (15120108)	
3603597.5	71.18340 (15012708)	84.28023 (15012708)	99.01815
(15012708)	134.11621 (15120108)	189.14018 (15120108)	
3603347.5	64.65574 (15013008)	71.48245 (15013008)	84.12800
(15013008)	100.30490 (15013008)	129.23946 (15012708)	
3603097.5	64.66745 (17121208)	72.32569 (17121208)	82.51615
(17121208)	96.83644 (17121208)	117.91930 (17121208)	
3602847.5	56.96271 (17121708)	58.78593 (17121708)	61.26358
(17121708)	69.69429 (16122802)	90.59629 (15011108)	
3602597.5	45.51583 (16122802)	51.68104 (15011108)	67.34095
(15011108)	83.29691 (16031707)	104.69440 (16031707)	
3602347.5	49.89861 (15011108)	59.44506 (16031707)	71.78024
(16031707)	72.39187 (15032207)	67.07128 (15032207)	
3602097.5	52.82976 (16031707)	54.78010 (16031707)	54.58070
(15032207)	45.77851 (17011023)	56.61190 (15010508)	
3601847.5	43.86360 (15032207)	41.13664 (15032207)	37.24743
(17020101)	45.16369 (15010508)	52.59428 (16052806)	
3601597.5	30.50498 (15032207)	31.57288 (17020101)	37.29403
(15010508)	38.73226 (16052806)	48.93242 (16052806)	
3601347.5	27.03796 (17020101)	31.71747 (15010508)	31.11263
(15012007)	41.14351 (16052806)	38.65634 (15123108)	
3601097.5	27.49210 (15010508)	27.05988 (17012624)	34.01334
(16052806)	34.95436 (16052806)	34.40817 (15011308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: OFFRD
 INCLUDING SOURCE(S): OFFRD ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	54.56035 (16120908)	50.31878 (17020823)	23.53580
(17022408)	17.23038 (15123009)	19.56535 (17032607)	
3605847.5	72.08435 (16120908)	69.85353 (16120908)	53.27827
(17022408)	49.20937 (15100707)	60.34458 (15010103)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	86.19457 (16012808)	77.45243 (16120908)	51.93329
(17022408)	55.42865 (15010907)	66.23564 (15010103)	
3605347.5	67.37318 (17021508)	78.72654 (16120908)	69.18388
(15121906)	53.09216 (16060301)	75.33024 (17032607)	
3605097.5	64.56991 (17021508)	120.93335 (16120908)	32.97970
(17022408)	23.23647 (15123009)	42.07406 (17032607)	
3604847.5	117.98863 (15021508)	113.27191 (16012808)	67.02095
(17022408)	25.50722 (15123009)	48.06490 (17032607)	
3604597.5	118.59831 (15021508)	127.17463 (16012808)	62.76294
(17022408)	28.28277 (15123009)	52.32177 (17032607)	
3604347.5	121.86813 (16120708)	121.65777 (15021508)	228.83417
(16120908)	102.19986 (16060301)	54.34375 (17032607)	
3604097.5	160.60302 (17013108)	142.29290 (16120708)	193.71597
(16120908)	172.46825 (16021204)	191.05432 (16121520)	
3603847.5	135.95877 (15032407)	216.39746 (17013108)	206.24019
(16100607)	269.18899 (16120908)	247.25963 (15122821)	
3603597.5	225.95527 (15120108)	245.51860 (15120108)	339.39170
(17013108)	498.56669 (16120908)	58.10260 (17032607)	
3603347.5	176.50724 (15012708)	313.10882 (15120108)	441.41168
(15120108)	386.10177 (16120908)	76.68215 (16040707)	
3603097.5	151.17589 (17121208)	209.39163 (17121208)	328.14759
(17121208)	397.45112 (15120608)	456.90533 (17040307)	
3602847.5	134.11467 (16031707)	187.58000 (16031707)	219.10085
(16052806)	354.75703 (15120608)	373.45230 (15121508)	
3602597.5	106.63025 (15032207)	109.06444 (16052806)	172.14260
(17122108)	227.68749 (15120608)	208.61686 (17010608)	
3602347.5	74.22080 (15010508)	98.79570 (16052806)	132.54038
(17122108)	165.05702 (15120608)	145.63522 (17010608)	
3602097.5	72.32652 (16052806)	80.79399 (17012608)	89.91516
(17122108)	126.53061 (15120608)	107.81987 (17062106)	
3601847.5	56.41258 (16052806)	80.82934 (17020408)	66.73503
(16012208)	100.59028 (15120608)	87.67602 (17062106)	
3601597.5	49.35538 (15011308)	79.11195 (17020408)	60.52270
(15011408)	82.21945 (15120608)	71.96378 (17062106)	
3601347.5	60.66291 (17020408)	66.36022 (17020408)	54.77657
(15011408)	68.69599 (15120608)	62.50062 (17010308)	
3601097.5	67.19199 (17020408)	50.74743 (17020408)	49.39583
(15011408)	58.47235 (15120608)	55.18156 (17010308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: OFFRD ***

INCLUDING SOURCE(S): OFFRD ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	37.34843 (17032607)	22.70630 (16031023)	6.00793
(16092808)	8.31864 (16111708)	10.24990 (17020109)	
3605847.5	37.89594 (17032607)	65.11480 (16121520)	13.27436
(16083007)	9.48098 (16111708)	11.84039 (17020109)	

3605597.5	75.21665 (17032607)	68.26032 (16121520)	56.55051
(15122821)	23.70128 (17020109)	12.02486 (17020109)	
3605347.5	85.10373 (17120924)	71.03306 (15021924)	60.54395
(15122821)	26.93076 (17020109)	10.93278 (16092207)	
3605097.5	28.49140 (17032607)	9.32255 (16083007)	27.71862
(17020109)	58.13771 (17022521)	15.92148 (16092207)	
3604847.5	22.13871 (17032607)	12.31075 (17020109)	15.39535
(17020109)	16.16252 (16092207)	17.58119 (17012509)	
3604597.5	15.46135 (17032607)	16.74661 (17020109)	13.44154
(17020109)	17.06288 (17121809)	14.35993 (17121809)	
3604347.5	30.57990 (17020109)	35.00877 (17020109)	18.51097
(17121809)	15.65182 (17121809)	11.80339 (17032908)	
3604097.5	88.28177 (15092321)	40.47308 (17121809)	27.46668
(17012609)	12.09651 (17032908)	13.50895 (17122309)	
3603847.5	153.41222 (16072606)	74.23337 (17032121)	28.97976
(17100708)	25.31404 (16040707)	29.83400 (16040707)	
3603597.5	39.23523 (16040707)	38.24466 (17122309)	38.12786
(17122309)	34.30148 (16040707)	29.19369 (16040707)	
3603347.5	57.16914 (16040707)	71.52516 (16040707)	121.95314
(15120702)	37.10455 (16121409)	85.07778 (16020303)	
3603097.5	81.17311 (16040807)	182.16197 (15013107)	126.14039
(15013107)	120.61825 (16020418)	101.42765 (16020418)	
3602847.5	326.75974 (17040307)	153.68949 (16123020)	117.10824
(15012119)	113.59899 (16012801)	89.38968 (16012801)	
3602597.5	215.09197 (17021408)	192.71379 (17040307)	118.76091
(17011308)	95.74927 (16012023)	84.04900 (17022805)	
3602347.5	155.45673 (15121508)	134.82071 (17021408)	141.27638
(17040307)	86.19202 (15031607)	80.56045 (17011308)	
3602097.5	117.79850 (15121508)	114.49126 (17021408)	84.54067
(17040307)	109.22242 (17040307)	92.12398 (17040307)	
3601847.5	87.21043 (17010608)	91.73949 (15121508)	98.05801
(17021408)	67.54639 (17040307)	88.59648 (17040307)	
3601597.5	75.68170 (17010608)	78.72582 (15121508)	64.30910
(16010602)	76.48689 (17021408)	55.85546 (17040307)	
3601347.5	60.43154 (17010608)	56.22718 (15121508)	62.34744
(15121508)	64.54180 (17021408)	57.00304 (17021408)	
3601097.5	45.85617 (17010608)	50.28702 (17010608)	56.94493
(15121508)	45.74578 (16010602)	59.34502 (17021408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: OFFRD ***

INCLUDING SOURCE(S): OFFRD ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			

3606097.5	11.04648 (17020109)	8.41936 (17020109)	7.79237
(17121809)	10.76582 (17121809)		
3605847.5	10.21795 (17020109)	7.54946 (17121809)	11.11818
(17121809)	12.06162 (17121809)		

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	8.08429 (17020109)	11.44990 (17121809)	12.82289
(17121809)	10.79118 (17121809)		
3605347.5	11.73758 (17121809)	13.68579 (17121809)	11.49830
(17121809)	9.28043 (17032908)		
3605097.5	14.66688 (17121809)	12.31264 (17121809)	9.95074
(17032908)	8.68206 (17032908)		
3604847.5	19.92835 (17012609)	10.94241 (15110508)	8.68841
(17032908)	8.39579 (17100708)		
3604597.5	12.30482 (15110508)	17.78357 (17100708)	19.28971
(17100708)	11.16888 (17122309)		
3604347.5	10.65367 (17100708)	12.22441 (17122309)	14.34439
(17122309)	20.15691 (16040707)		
3604097.5	19.18725 (16040707)	25.20609 (16040707)	28.84818
(16040707)	29.38930 (16040707)		
3603847.5	32.00492 (16040707)	30.28631 (16040707)	24.65098
(16040707)	17.38063 (16040707)		
3603597.5	27.26460 (17082707)	13.51944 (17082707)	13.08835
(17082707)	12.53817 (16121409)		
3603347.5	51.24760 (16020303)	24.97293 (16090707)	13.40404
(16121409)	12.73985 (17030408)		
3603097.5	30.58153 (15062407)	14.49997 (15062407)	13.97988
(15062407)	13.50210 (15062407)		
3602847.5	89.17272 (16121201)	14.91145 (17082908)	10.72087
(15061907)	9.67388 (15061907)		
3602597.5	89.20065 (15012119)	17.59780 (15022408)	16.03218
(17122709)	19.58283 (17062607)		
3602347.5	82.54408 (16040807)	79.65815 (15022202)	54.97422
(15022408)	65.56755 (15012119)		
3602097.5	80.83551 (15031607)	65.34766 (16040807)	66.83176
(16040807)	54.59432 (16040807)		
3601847.5	82.14939 (17040307)	52.65247 (15031607)	49.12191
(17011308)	58.50101 (16040807)		
3601597.5	74.95623 (17040307)	55.88073 (17040307)	43.37570
(15031607)	40.24362 (15031607)		
3601347.5	47.32510 (17040307)	60.44325 (17040307)	49.91527
(17040307)	35.70244 (17010220)		
3601097.5	41.53019 (17021408)	40.85141 (17040307)	51.73242
(17040307)	45.56035 (17040307)		

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

508226.78	3603955.63	170.65179	(16120708)		
507708.67	3603932.32	102.24106	(17010508)		
506203.59	3603369.23	51.65731	(15013008)		
507919.87	3604794.52	111.38441	(15021508)		
507037.89	3604916.08	85.96162	(16120208)		

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF TAC		IN MICROGRAMS/M**3	
Y-COORD	(METERS)	X-COORD (METERS)	
504868.86	504118.86	504368.86	504618.86

3606097.5	13.30784 (16020408)	15.31428 (16120805)	18.31666
(16012908)	19.85120 (17020308)	22.49814 (17040507)	
3605847.5	15.60096 (15040607)	15.23229 (15010408)	15.90346
(16020408)	19.47919 (16120805)	23.52203 (16012908)	
3605597.5	17.35142 (15040607)	18.71009 (15040607)	19.34061
(15040607)	20.09240 (15010408)	21.58825 (15011008)	
3605347.5	16.01362 (15011608)	17.34961 (15040607)	19.19275
(15040607)	20.71520 (15040607)	23.12812 (15040607)	
3605097.5	16.22611 (17010407)	18.34085 (17012508)	19.62964
(17012508)	19.34292 (15011608)	20.90200 (15040607)	
3604847.5	22.36111 (15040307)	21.80991 (15040307)	19.58204
(16122808)	20.28327 (16122808)	24.80319 (17012508)	
3604597.5	19.43686 (17092707)	19.65568 (15040307)	23.25245
(15040307)	27.08163 (15040307)	30.36170 (15040307)	
3604347.5	19.28330 (16040507)	19.02150 (16040507)	19.82766
(16011421)	22.13742 (15122708)	25.43169 (15122708)	
3604097.5	17.46585 (17011708)	19.64824 (17011708)	20.96821
(17011708)	22.99924 (16040507)	25.49958 (16040507)	
3603847.5	17.93614 (17021608)	19.10120 (17021608)	21.99618
(15010808)	23.87440 (15010808)	27.51138 (15010808)	
3603597.5	18.55507 (17021608)	19.09078 (17021608)	20.18793
(17021608)	20.92594 (15011703)	22.91343 (15021102)	
3603347.5	15.42841 (15011603)	17.15081 (17122908)	19.36934
(17122908)	21.30741 (17122908)	23.41452 (17122908)	
3603097.5	15.22607 (17021402)	16.49018 (17011719)	18.08466
(17011719)	20.89996 (15012720)	22.17019 (16021602)	
3602847.5	15.04150 (16021602)	15.97306 (16021602)	18.00008
(16012803)	19.48540 (16011702)	21.46396 (17120906)	
3602597.5	14.63544 (16011702)	16.01396 (17120906)	17.76896
(15011506)	22.36398 (15092907)	26.48630 (15092907)	
3602347.5	18.49330 (15092907)	21.63162 (15092907)	23.08813
(15092907)	21.92641 (15092907)	20.34954 (17010708)	
3602097.5	19.68597 (15092907)	17.55087 (15092907)	18.65664
(17092807)	23.97805 (17092807)	26.35159 (17092807)	
3601847.5	17.53652 (17092807)	21.57268 (17092807)	22.81886
(17092807)	26.33188 (15092707)	31.72896 (15092707)	
3601597.5	20.55159 (17092807)	22.66801 (15092707)	27.32811
(15092707)	27.78953 (15092707)	22.64997 (15092707)	
3601347.5	24.27585 (15092707)	25.66884 (15092707)	22.79306
(15092707)	16.37199 (15092707)	11.37868 (17122105)	
3601097.5	22.37766 (15092707)	17.76091 (15092707)	11.56210
(15092707)	10.23045 (17122105)	10.99608 (15121422)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS)	505868.86
506118.86	506368.86			

3606097.5	29.41131 (17040507)	24.95607 (17020108)	26.51704
(17020108)	26.44732 (16120208)	45.13912 (16120208)	
3605847.5	24.46235 (17020308)	31.97652 (17040507)	30.12693
(17040507)	30.88929 (17020108)	30.81993 (16120624)	
3605597.5	26.62853 (16012908)	30.60212 (17020308)	33.47487
(17040507)	37.56067 (17040507)	37.22335 (17020108)	
3605347.5	25.29695 (15010408)	27.84261 (15011008)	36.24506
(16012908)	39.17571 (17020308)	43.44549 (17040507)	
3605097.5	24.75260 (15040607)	28.94290 (15121608)	33.18306
(15010408)	37.50162 (16011506)	47.76623 (17020308)	
3604847.5	24.37755 (17012508)	26.62409 (15011608)	31.46603
(17012703)	36.67926 (15121608)	44.83291 (15010408)	
3604597.5	26.64194 (15040307)	29.70535 (16122808)	30.99218
(17012508)	36.46148 (17012508)	43.01117 (15011608)	
3604347.5	29.32885 (17122422)	33.46839 (16020401)	36.20750
(15020702)	36.06458 (16011108)	45.37981 (16122808)	
3604097.5	28.23894 (16040507)	34.62953 (16120722)	38.36116
(16120722)	37.93935 (16011421)	42.36998 (16011421)	
3603847.5	31.80384 (15010808)	35.09162 (15010808)	37.14179
(15010808)	42.88190 (15010808)	48.18068 (15010808)	
3603597.5	26.55472 (15021102)	29.19048 (15021102)	32.27354
(15021102)	37.62941 (16012807)	47.55735 (16012807)	
3603347.5	25.74566 (16010308)	28.61963 (16010308)	32.36076
(17011719)	38.94522 (15012720)	46.48353 (16021602)	
3603097.5	24.23875 (16021602)	27.94316 (16012803)	31.32954
(16011702)	38.23119 (17120906)	45.16320 (17122623)	
3602847.5	23.71710 (15011506)	28.14618 (15092907)	33.67945
(15092907)	36.75432 (17122824)	44.84774 (17010708)	
3602597.5	27.85350 (15092907)	26.76254 (17122824)	31.68968
(17092807)	38.01314 (17092807)	52.33990 (15092707)	
3602347.5	27.83817 (17092807)	31.42399 (17092807)	40.09875
(15092707)	43.60232 (15092707)	30.51127 (15092707)	
3602097.5	31.83996 (15092707)	36.78503 (15092707)	32.25589
(15092707)	19.61467 (17122302)	21.19224 (15121422)	
3601847.5	30.08844 (15092707)	21.75537 (15092707)	16.23631
(17122105)	17.99636 (15121422)	19.34412 (16121224)	
3601597.5	14.20617 (15092707)	13.76654 (15022607)	15.17652
(17012504)	16.49648 (16020405)	17.40834 (17121505)	
3601347.5	12.15437 (15012201)	13.15376 (17012504)	14.16926
(16020405)	14.94212 (17121505)	15.86560 (16121724)	
3601097.5	11.76735 (17021905)	12.50112 (16020405)	13.29960
(17121505)	14.11616 (15120324)	14.71148 (16022007)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS)	507118.86
507368.86	507618.86			

3606097.5	42.94116 (16120208)	35.82541 (16010908)	65.94213
(15021508)	64.07201 (15021508)	70.60998 (17021508)	
3605847.5	50.65301 (16120208)	45.11262 (16120208)	48.30930
(15122808)	84.36931 (15021508)	74.34971 (17010724)	
3605597.5	37.16706 (16121408)	56.57157 (16120208)	50.95403
(15121708)	94.43013 (15120107)	79.61980 (15021508)	
3605347.5	49.16755 (17020108)	45.95965 (16121408)	61.48302
(16120208)	59.62936 (16010908)	69.89836 (15021508)	
3605097.5	51.56011 (15021008)	61.42264 (17020108)	69.04039
(16121408)	83.35602 (16120208)	83.18042 (15122808)	
3604847.5	54.79719 (16012908)	70.95188 (17020308)	80.05297
(16011607)	101.29433 (16121408)	128.18818 (16120208)	
3604597.5	52.60078 (15012401)	67.52175 (15010408)	93.79778
(16012908)	115.20612 (15021008)	147.06513 (17020108)	
3604347.5	50.95710 (16122808)	62.08853 (17012508)	77.95317
(17012703)	117.00022 (15010408)	180.51289 (17020308)	
3604097.5	51.38935 (15122708)	66.46159 (16020401)	87.10908
(17013020)	110.65913 (16122808)	153.59613 (17012508)	
3603847.5	52.76372 (15010808)	64.61244 (15010808)	79.87777
(17011708)	112.31822 (17011708)	168.29614 (17011708)	
3603597.5	56.19493 (17122908)	67.99041 (17122908)	86.05419
(17122908)	102.72456 (17011719)	144.63994 (16021602)	
3603347.5	54.46023 (16012803)	62.54380 (16011702)	80.92362
(17122623)	109.67243 (17121720)	132.52643 (17121308)	
3603097.5	52.81098 (16121801)	62.37008 (17010708)	76.69965
(17121308)	84.22060 (16021107)	70.32673 (15121422)	
3602847.5	53.79598 (17121308)	63.13235 (15092707)	47.52944
(15092707)	50.01077 (17012504)	54.72598 (15013101)	
3602597.5	46.72505 (15092707)	33.44957 (16011206)	38.84497
(17021905)	40.47352 (15013101)	45.64042 (16122704)	
3602347.5	25.97244 (15022607)	29.32124 (17021905)	31.72893
(15013101)	34.65810 (17022221)	37.53080 (17010503)	
3602097.5	22.94861 (16121224)	25.11240 (17121505)	27.06441
(17010801)	29.71071 (16120304)	34.40504 (16011119)	
3601847.5	20.52237 (17121505)	22.81702 (17010801)	23.79948
(17012722)	29.17617 (17040807)	30.29839 (17020408)	
3601597.5	18.70793 (17010801)	20.17754 (16122704)	21.22645
(17040807)	24.11575 (17022603)	41.73910 (17020408)	
3601347.5	17.03532 (16122704)	18.20417 (16120304)	24.79830
(17040807)	24.61052 (15041007)	45.74515 (17020408)	
3601097.5	15.82333 (17012722)	21.31736 (17040807)	18.94871
(17022603)	30.29617 (17020408)	43.19131 (17020408)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

*** CONC OF TAC IN MICROGRAMS/M**3
 **
 Y-COORD | X-COORD (METERS)
 (METERS) |
 508618.86 507868.86 508118.86 508368.86
 508618.86 508868.86

3606097.5	28.77577 (16120206)	49.68246 (17022408)	15.25037
(17022408)	12.63940 (16091507)	39.74429 (17032607)	
3605847.5	64.43297 (17021508)	76.25347 (16121101)	37.77747
(17022408)	29.87516 (16091507)	83.74028 (17032607)	
3605597.5	88.19268 (17021508)	56.50544 (16121101)	54.18516
(17012203)	92.25874 (15010907)	80.89314 (17032607)	
3605347.5	69.40178 (17021508)	59.46269 (16021807)	59.48599
(17022408)	42.19473 (16091507)	94.13013 (17011124)	
3605097.5	90.16746 (15021508)	101.10954 (17070706)	37.60765
(17022408)	41.23712 (17032607)	22.33988 (15021124)	
3604847.5	145.55139 (16021523)	130.72960 (17021508)	46.94643
(17022408)	62.05028 (17032607)	14.36607 (15022208)	
3604597.5	279.94630 (16120708)	149.49646 (15021508)	72.52672
(15092607)	102.63214 (17032607)	35.73077 (16111708)	
3604347.5	247.44021 (17020108)	326.03124 (16010908)	163.98829
(15081703)	172.01634 (17032607)	52.77768 (15022723)	
3604097.5	266.86751 (15121608)	477.43385 (17020108)	610.59463
(17010208)	866.04571 (16120120)	251.29162 (17120708)	
3603847.5	280.44913 (17011708)	453.37924 (16011421)	1580.10645
(15011608)	1528.65693 (17021703)	219.75343 (15022201)	
3603597.5	242.04641 (15011506)	388.58906 (17121308)	570.90449
(17012722)	350.74868 (17012108)	157.44110 (16040807)	
3603347.5	130.65225 (16021107)	157.51028 (15120324)	277.13203
(17122823)	378.94157 (15011921)	97.34341 (16040518)	
3603097.5	86.54888 (15120324)	114.98047 (17022103)	144.31955
(17122619)	211.23269 (15021622)	215.96585 (17120621)	
3602847.5	65.87343 (16120304)	90.91207 (17020408)	90.99220
(17122005)	106.97070 (17122218)	103.39697 (15011507)	
3602597.5	56.54915 (16011119)	84.46569 (17020408)	67.73406
(16122020)	76.89260 (15021621)	74.61238 (16022321)	
3602347.5	48.65325 (17020408)	57.42066 (17020408)	51.12228
(16012923)	60.66312 (16022219)	58.00059 (16122021)	
3602097.5	60.12327 (17020408)	38.83337 (17020905)	40.45266
(16012923)	48.24057 (16022219)	47.17855 (15020321)	
3601847.5	56.28005 (17020408)	32.37443 (17122619)	33.68086
(17010402)	39.74947 (17122205)	38.91940 (16121418)	
3601597.5	44.35619 (17020408)	27.85239 (15022601)	28.26649
(17010402)	33.74745 (17122205)	33.66544 (15021622)	
3601347.5	31.99927 (17020408)	24.38321 (16010118)	24.75740
(17121803)	28.99275 (17122205)	29.92307 (16112308)	
3601097.5	23.09549 (17111908)	21.66903 (17122005)	22.09386
(17121803)	25.35742 (17122205)	28.37651 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

*** CONC OF TAC IN MICROGRAMS/M**3
 **
 Y-COORD | X-COORD (METERS)
 (METERS) |
 509868.86 509118.86 509368.86 509618.86
 509868.86 510118.86

3606097.5	12.26471 (17032607)	12.40963 (16083007)	9.96006
(16111708)	7.57663 (17020109)	5.36309 (17020109)	
3605847.5	10.85540 (16010705)	58.21333 (15122821)	14.81578
(16083007)	6.99393 (17020109)	8.45363 (16092207)	
3605597.5	53.58994 (15021924)	48.54764 (17060105)	23.49319
(16101307)	17.37215 (16092207)	10.32804 (17121809)	
3605347.5	75.07484 (15122821)	67.27192 (15092321)	65.91587
(16072606)	18.06066 (16092207)	9.91529 (17121809)	
3605097.5	25.45861 (16083007)	11.39493 (15022224)	22.52757
(16092207)	38.15511 (17090523)	12.54473 (15110508)	
3604847.5	13.66138 (17020109)	15.41580 (16092207)	13.03768
(17121809)	10.37302 (15082707)	12.99843 (15082707)	
3604597.5	21.67372 (16092207)	15.63396 (17121809)	11.52788
(15082707)	11.75924 (17122309)	18.57116 (17032608)	
3604347.5	29.51742 (15082707)	27.86667 (15022818)	35.64405
(17032608)	45.05462 (16040707)	44.38700 (16040707)	
3604097.5	73.69451 (17012417)	73.73977 (16040707)	37.89735
(16040707)	16.94350 (17082707)	16.39086 (17082707)	
3603847.5	91.98842 (17060406)	55.46024 (17030408)	35.97404
(17091507)	24.32153 (17030408)	19.47436 (17030408)	
3603597.5	54.49247 (15020317)	42.56248 (15020117)	34.83916
(15020117)	26.16208 (15061907)	23.54406 (15061907)	
3603347.5	131.22700 (16111408)	83.02816 (16040807)	105.09628
(15022408)	33.96624 (17122709)	60.46907 (15091922)	
3603097.5	67.19793 (15021708)	213.85845 (16011523)	124.57558
(16121121)	124.38686 (16012023)	115.96371 (15022202)	
3602847.5	228.64811 (17021408)	102.69852 (17011224)	88.70229
(17122124)	118.81017 (17022804)	87.03645 (16040807)	
3602597.5	77.10286 (16121008)	89.18547 (17021408)	77.15908
(17011224)	73.56960 (17122124)	69.37675 (16121203)	
3602347.5	55.51372 (16121220)	69.54700 (17120621)	64.04661
(16121022)	56.38641 (17011224)	53.75611 (17122124)	
3602097.5	47.07043 (15022808)	44.60873 (16121008)	58.71544
(15020908)	48.94048 (16121022)	83.25576 (17021919)	
3601847.5	38.63470 (15021419)	36.67922 (16121220)	45.60826
(17120621)	46.87131 (17021408)	40.42469 (16010421)	
3601597.5	33.02008 (17011319)	36.55090 (15022808)	30.18111
(16121008)	38.88459 (15020908)	37.42214 (17021408)	
3601347.5	28.68767 (16122021)	35.98349 (15022808)	24.92497
(17010406)	30.94387 (17120621)	34.57457 (15020908)	
3601097.5	27.08281 (17031208)	27.66067 (15022808)	25.30605
(15022808)	22.72503 (16121008)	29.54668 (17120621)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)	CONC (YYMMDDHH)
511118.86	510618.86	510868.86
3606097.5 (17121809)	7.89711 (16092207)	8.65656 (17121809)
3605847.5 (17032908)	5.83588 (17032908)	7.39747
3605597.5 (15082707)	9.42322 (17121809)	6.43578
3605347.5 (15082707)	6.40086 (15082707)	7.12606 (17032908)
3605097.5 (17122309)	8.89009 (17121809)	6.90248
3604847.5 (16040707)	5.13459 (15082707)	7.23074 (15082707)
3604597.5 (17082707)	7.91253 (17032908)	4.57474
3604347.5 (16090707)	5.58925 (17122309)	9.18892
3603847.5 (15062407)	7.19128 (15082707)	5.63489 (17122309)
3603597.5 (17042907)	11.22800 (17122309)	13.23276 (17122309)
3603347.5 (15061907)	12.84623 (16082307)	18.62173
3603097.5 (17122709)	27.09529 (16040707)	36.15000 (16040707)
3602847.5 (15022408)	28.24190 (16040707)	32.82391
3602597.5 (16040807)	23.81649 (16040707)	10.15601
3602347.5 (15062224)	29.37425 (16040707)	15.63960 (16040707)
3602097.5 (17022804)	10.61206 (17082707)	14.38049
3601847.5 (15013018)	15.19116 (16090707)	14.98065 (17030408)
3601597.5 (16012022)	13.36552 (16090707)	13.73373
3601347.5 (17021621)	16.73366 (17030408)	14.40614
3601097.5 (16010421)	12.84506 (15062407)	14.51689 (15061907)
3600847.5 (15040307)	24.69870 (16052106)	14.40614
3600597.5 (16010421)	12.22080 (17042907)	13.67926 (15020117)
3600347.5 (16010421)	25.94969 (15120117)	8.39980
3600097.5 (16010421)	8.61371 (15061907)	11.47095
3600047.5 (16010421)	26.70227 (15022408)	11.47095
3600097.5 (16010421)	10.03393 (17122709)	36.69077 (15022408)
3600047.5 (16010421)	91.94530 (16040807)	28.21663
3600097.5 (16010421)	15.77164 (15022408)	38.18605
3600047.5 (16010421)	51.31463 (16060106)	39.64848 (16040807)
3600097.5 (16010421)	30.82034 (15022408)	65.73465 (15031607)
3600047.5 (16010421)	56.49748 (16122817)	31.22988
3600097.5 (16010421)	70.86430 (16040807)	38.79647
3600047.5 (16010421)	87.10222 (17040307)	41.24022 (15013018)
3600097.5 (16010421)	35.79342 (17121101)	33.19282 (16012022)
3600047.5 (16010421)	72.52429 (17021919)	32.21197
3600097.5 (16010421)	30.76795 (16121203)	29.39989
3600047.5 (16010421)	36.91527 (16010421)	31.25271 (17021621)
3600097.5 (16010421)	27.56216 (16013009)	25.97887
3600047.5 (16010421)	29.56675 (16121022)	26.71205 (16010421)
3600097.5 (16010421)	24.25506 (16121120)	26.03441 (16121022)
3600047.5 (16010421)	29.00056 (17021408)	23.04566
3600097.5 (16010421)	23.84816 (17021621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	797.89248 (16012908)	
507708.67	3603932.32	185.03762 (17020524)	
506203.59	3603369.23	41.11588 (17011719)	
507919.87	3604794.52	139.96252 (15021508)	
507037.89	3604916.08	73.24242 (16011607)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: RAP1 ***
 INCLUDING SOURCE(S): RAP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)	CONC (YYMMDDHH)
504868.86	504118.86	504368.86
3606097.5 (16012908)	13.50439 (16020408)	14.81712 (16011506)
3605847.5 (16020408)	19.97911 (17020308)	20.92821 (17040507)
3605597.5 (15040607)	16.20583 (15040607)	15.33435 (15010408)
3605347.5 (15040607)	18.98762 (16011506)	23.52205 (16012908)
3605097.5 (15040607)	17.04743 (15040607)	18.83888 (15040607)
3604847.5 (15040607)	20.15771 (15010408)	21.68174 (16020408)
3604597.5 (17012508)	15.69485 (15012821)	16.40238 (15040607)
3604347.5 (15040307)	20.66166 (15040607)	23.83669 (15040607)
3604097.5 (15040307)	16.27393 (15011519)	17.91897 (17012508)
3603847.5 (15040307)	18.99707 (15011608)	20.77476 (15011608)
3603597.5 (15040307)	22.59260 (15040307)	22.76031 (15040307)
3603347.5 (15040307)	20.78745 (16122808)	23.98815 (17012508)
3603097.5 (15040307)	19.52983 (17092707)	20.09671 (17092707)
3602847.5 (15040307)	26.10773 (15040307)	30.39151 (15040307)

Otay Hills Quarry AERMOD Output File (HRA)

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3604347.5 | 19.98386 (16040507) 20.05950 (16040507) 20.10803
(16040507) 22.08884 (16011421) 25.32273 (15122708)
3604097.5 | 17.27582 (17011708) 19.53736 (17011708) 20.99997
(17011708) 23.06421 (17011708) 25.68644 (17011708)
3603847.5 | 19.12768 (17021608) 20.42737 (17021608) 22.42569
(17021608) 23.94774 (17122608) 27.60533 (17122608)
3603597.5 | 17.13227 (17021608) 17.46354 (17021608) 18.87046
(15021102) 21.13955 (15021102) 23.06176 (15021102)
3603347.5 | 15.46653 (17122908) 17.30664 (17122908) 19.34701
(17122908) 21.03420 (17122908) 22.87893 (16010308)
3603097.5 | 15.05183 (17021402) 16.48662 (17011719) 17.82342
(15012720) 20.70142 (15012720) 22.07659 (16021602)
3602847.5 | 14.81973 (16021602) 15.67447 (16012803) 17.91189
(16012803) 19.42653 (16011702) 21.37013 (17120906)
3602597.5 | 14.58333 (17120906) 15.78548 (17120906) 18.46317
(15092907) 23.25899 (15092907) 26.59923 (15092907)
3602347.5 | 19.18265 (15092907) 21.85052 (15092907) 22.62883
(15092907) 20.76466 (15092907) 21.17125 (17092807)
3602097.5 | 18.98270 (15092907) 16.43424 (15092907) 19.62424
(17092807) 24.34253 (17092807) 25.69932 (17092807)
3601847.5 | 18.25996 (17092807) 21.80055 (17092807) 22.30728
(17092807) 27.06547 (15092707) 31.50388 (15092707)
3601597.5 | 20.12481 (17092807) 23.36579 (15092707) 27.37795
(15092707) 26.98418 (15092707) 21.26251 (15092707)
3601347.5 | 24.47037 (15092707) 25.20520 (15092707) 21.75765
(15092707) 15.16524 (15092707) 11.26922 (17122105)
3601097.5 | 21.62827 (15092707) 16.73221 (15092707) 10.60514
(15092707) 10.11930 (15022607) 10.92805 (15121422)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: RAP1 ***
INCLUDING SOURCE(S): RAP1 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) | 505368.86 505618.86 505868.86
506118.86 506368.86
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3606097.5 | 29.48367 (17040507) 26.24919 (17040507) 27.38661
(17020108) 26.86519 (16121408) 43.82557 (16120208)
3605847.5 | 25.28433 (17020308) 30.97349 (17040507) 32.14425
(17040507) 31.50119 (17020108) 31.69129 (16121408)
3605597.5 | 25.34239 (16011506) 30.28970 (17020308) 31.38076
(17010508) 38.78277 (17040507) 37.21235 (17020108)
3605347.5 | 25.32447 (15010408) 27.46098 (16020408) 35.09116
(16012908) 40.25767 (17020308) 42.85234 (17040507)
3605097.5 | 24.33048 (15040607) 29.20025 (15040607) 33.10918
(15010408) 36.30547 (15011008) 47.66383 (16012908)
3604847.5 | 24.58704 (17012508) 26.38208 (15011608) 31.34370
(17121424) 35.79292 (15012401) 44.49928 (15010408)
3604597.5 | 27.97349 (15040307) 29.85102 (16122808) 30.48152
(16122808) 36.72691 (17012508) 43.28229 (15011608)

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3604347.5 | 28.88359 (17020524) 33.17118 (17122422) 35.96906
(16020401) 35.27247 (15020702) 44.39042 (16011108)
3604097.5 | 28.83780 (17011708) 34.47238 (17011708) 38.40830
(16120722) 37.86200 (16120722) 41.68189 (16011421)
3603847.5 | 31.95249 (17122608) 35.22504 (17122608) 37.25329
(17122608) 43.04391 (17122608) 48.47721 (17122608)
3603597.5 | 26.47327 (15021102) 28.77663 (15021102) 32.00328
(16012807) 37.20273 (16012807) 48.15123 (17122908)
3603347.5 | 25.29535 (16010308) 28.04591 (17021402) 32.12748
(17011719) 38.58922 (15012720) 45.64480 (16021602)
3603097.5 | 23.53854 (16021602) 27.79333 (16012803) 30.92495
(16011702) 37.69611 (15011506) 44.62140 (16021406)
3602847.5 | 23.48635 (15011506) 29.37695 (15092907) 33.46018
(15092907) 36.34728 (17122824) 43.94923 (17010708)
3602597.5 | 26.85096 (15092907) 26.34369 (17010704) 32.70644
(17092807) 37.30794 (15092707) 52.43242 (15092707)
3602347.5 | 28.44065 (17092807) 30.54586 (17092807) 40.70436
(15092707) 41.88484 (15092707) 27.55612 (15092707)
3602097.5 | 32.57324 (15092707) 36.05450 (15092707) 30.13626
(15092707) 19.18418 (17122302) 20.97618 (15121422)
3601847.5 | 28.76175 (15092707) 19.95250 (15092707) 16.01320
(15022607) 17.67274 (15121422) 19.02018 (16020405)
3601597.5 | 12.92090 (17122302) 13.58493 (15012201) 14.99997
(17012504) 16.31824 (16020405) 17.00414 (17121505)
3601347.5 | 12.01340 (15012201) 12.94545 (17012504) 13.99955
(16020405) 14.63291 (17121505) 15.65156 (16121724)
3601097.5 | 11.66619 (17021905) 12.34032 (16020405) 13.04947
(17121505) 13.86939 (15120324) 14.54824 (16022007)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: RAP1 ***
INCLUDING SOURCE(S): RAP1 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

```

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

Y-COORD | X-COORD (METERS)
(METERS) | 506618.86 506868.86 507118.86
507368.86 507618.86
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3606097.5 | 46.11840 (16120208) 36.46452 (16010908) 64.82000
(17021308) 68.81916 (15021508) 68.42471 (17021320)
3605847.5 | 49.47835 (16120208) 49.67150 (16120208) 47.90580
(15122808) 84.12803 (15021508) 75.67690 (15121303)
3605597.5 | 38.02475 (16121408) 55.76152 (16120208) 51.49081
(15121708) 93.44828 (17013021) 86.97946 (15021508)
3605347.5 | 47.57684 (17020108) 46.58160 (16121408) 61.46015
(16120208) 61.35514 (15121708) 68.05557 (15021508)
3605097.5 | 50.63351 (17010508) 58.71761 (15121803) 68.49784
(16121408) 84.99557 (16120208) 84.90308 (16010908)
3604847.5 | 51.60377 (15011008) 71.84015 (17020308) 80.60235
(15120308) 103.44996 (17020108) 136.32185 (16120208)
3604597.5 | 52.43797 (17012703) 67.18417 (15121608) 86.89554
(16012908) 114.66813 (17020308) 160.63762 (17020108)

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Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	52.55567 (16122808)	62.38092 (17012508)	79.40702
(15011608)	116.17079 (15121608)	176.77198 (16012908)	
3604097.5	51.25251 (16011421)	65.66763 (17020524)	86.16635
(16020401)	106.71754 (16011108)	152.12294 (17012508)	
3603847.5	53.63938 (17122608)	65.86848 (17122608)	81.35938
(17122608)	110.23329 (17122608)	159.91990 (15010808)	
3603597.5	56.60562 (17122908)	66.23685 (17122908)	82.28597
(16010308)	100.46858 (15012720)	138.31441 (16012803)	
3603347.5	54.15712 (16012803)	61.93307 (17120906)	79.66983
(16021406)	106.35247 (17122824)	122.75766 (17121308)	
3603097.5	52.52622 (17121720)	62.30122 (17010708)	72.73394
(17121308)	77.69507 (16021107)	68.64124 (15121422)	
3602847.5	51.61621 (17121308)	61.83555 (15092707)	43.19950
(17122302)	48.62899 (17012504)	53.19996 (15120324)	
3602597.5	43.47926 (15092707)	32.68151 (15022607)	37.96091
(17021905)	39.62397 (15013101)	44.12418 (16122704)	
3602347.5	25.53654 (15012201)	28.80439 (16121224)	31.27028
(15013101)	33.88234 (16122704)	36.66577 (17010503)	
3602097.5	22.53716 (16121224)	24.61744 (15013101)	26.32841
(17010801)	29.02532 (16120304)	33.56252 (16011119)	
3601847.5	19.98315 (15013101)	22.40880 (17010801)	23.41999
(17012722)	28.90226 (17040807)	30.04944 (17020408)	
3601597.5	18.50670 (17010801)	19.79062 (16122704)	21.48837
(17040807)	23.70214 (17022603)	41.22513 (17020408)	
3601347.5	16.84865 (16122704)	17.89156 (16120304)	24.45969
(17040807)	24.38560 (15041007)	45.20052 (17020408)	
3601097.5	15.59050 (17012722)	21.35459 (17040807)	18.66361
(17022603)	30.00876 (17020408)	42.79108 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: RAP1
 INCLUDING SOURCE(S): RAP1 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
-	-	-	-
-	-	-	-

3606097.5	29.58395 (15082706)	48.26286 (17022408)	16.73224
(17022408)	12.16629 (16091507)	40.07478 (17032607)	
3605847.5	70.68983 (17021508)	82.04720 (16120908)	41.32554
(17022408)	28.92073 (16091507)	85.53775 (17032607)	
3605597.5	89.75517 (17021508)	55.84458 (16121101)	55.71630
(17012203)	94.63276 (15010907)	83.90671 (17032607)	
3605347.5	64.04338 (17021508)	63.04842 (16021807)	64.09221
(17022408)	41.46290 (16091507)	98.10529 (17011124)	
3605097.5	97.76625 (15021508)	104.78788 (17070706)	39.84592
(17022408)	38.99094 (17032607)	23.21971 (17032607)	
3604847.5	151.06630 (15011121)	133.81617 (16020419)	53.73137
(15092607)	60.51182 (17032607)	15.05989 (15022208)	
3604597.5	259.88111 (16120708)	170.98588 (15021508)	76.80061
(15092607)	106.17360 (17032607)	38.07857 (16111708)	

3604347.5	249.36803 (17020108)	352.51642 (16120708)	175.51725
(17021508)	196.04634 (17032607)	57.43609 (15022723)	
3604097.5	254.39398 (15121608)	466.86559 (15021008)	755.56902
(15120107)	841.73894 (16120120)	275.76631 (17120708)	
3603847.5	265.85610 (17011708)	462.16890 (17011708)	1500.87315
(15122708)	1865.27433 (17032007)	206.33261 (16051406)	
3603597.5	230.59954 (16021406)	340.99309 (16021107)	486.05251
(16120304)	290.86954 (15012817)	119.51227 (16040807)	
3603347.5	114.71457 (16011206)	148.12674 (17010801)	252.15442
(17122823)	350.73330 (15020321)	91.21559 (17020419)	
3603097.5	83.14522 (15120324)	109.03280 (17022103)	136.49901
(17122619)	197.56272 (17122218)	173.65309 (16121008)	
3602847.5	63.38196 (16120304)	88.60254 (17020408)	87.07344
(16010118)	102.75193 (15021621)	99.93036 (17010624)	
3602597.5	54.74132 (16011119)	82.88429 (17020408)	65.51690
(16122020)	74.91396 (16022219)	72.61242 (17011319)	
3602347.5	47.98052 (17020408)	57.15605 (17020408)	49.78020
(16022802)	59.17668 (16022219)	56.50664 (17123106)	
3602097.5	59.14794 (17020408)	37.86501 (17020905)	39.52394
(16012923)	47.08794 (17122205)	45.96021 (16121418)	
3601847.5	55.59597 (17020408)	31.77166 (17122619)	32.88542
(17010402)	38.98531 (17122205)	38.12786 (17121306)	
3601597.5	44.10346 (17020408)	27.28351 (15022601)	27.78893
(17010402)	33.00465 (17122205)	33.16950 (15021622)	
3601347.5	32.03559 (17020408)	23.93081 (16010118)	24.24218
(17121803)	28.34221 (17121519)	30.22699 (16112308)	
3601097.5	22.97158 (17111908)	21.27231 (17122005)	21.72331
(17121803)	25.03430 (17121519)	28.32518 (16112308)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: RAP1
 INCLUDING SOURCE(S): RAP1 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
-	-	-	-
-	-	-	-

3606097.5	12.93473 (17032607)	12.54560 (16083007)	10.03017
(16111708)	7.63204 (17020109)	5.31430 (17020109)	
3605847.5	11.15054 (16010705)	59.48576 (15122821)	14.83302
(16083007)	6.98182 (15022224)	8.61745 (16092207)	
3605597.5	55.50870 (15021924)	50.21711 (15052306)	25.06338
(16101307)	17.97351 (16092207)	10.51078 (17121809)	
3605347.5	77.52713 (15122821)	69.27574 (15092321)	68.22883
(16072606)	17.57614 (16092207)	9.73801 (17121809)	
3605097.5	25.87408 (16083007)	11.82794 (15022224)	22.21376
(16092207)	40.03742 (17090523)	13.01016 (15110508)	
3604847.5	13.91730 (17020109)	15.74572 (16092207)	12.72188
(17121809)	10.84954 (15022724)	13.68055 (15022818)	
3604597.5	23.34129 (16092207)	15.14916 (17121809)	11.13512
(15082707)	14.06409 (17032608)	19.87112 (17032608)	

Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	32.79543 (15082707)	29.67012 (15022818)	38.54932
(17032608)	49.36608 (16040707)	42.00302 (16040707)	
3604097.5	95.30456 (16091707)	70.01825 (16040707)	28.61202
(16040707)	18.20445 (17082707)	16.63181 (17082707)	
3603847.5	107.88886 (15061006)	60.14613 (15062407)	34.04941
(17030408)	24.36423 (17030408)	19.54785 (15062407)	
3603597.5	75.19261 (15022408)	44.63445 (16011417)	37.03263
(15020117)	24.46804 (16120817)	23.03981 (15061907)	
3603347.5	123.23216 (16111408)	81.41219 (16040807)	117.28434
(15022408)	32.44260 (17122709)	61.61531 (15091922)	
3603097.5	54.65337 (16040518)	210.90537 (17040307)	117.93374
(17121101)	124.51445 (15121020)	120.65873 (15022202)	
3602847.5	206.57366 (15020908)	99.34418 (16010601)	87.65573
(17122124)	115.94756 (16121203)	77.34698 (16121121)	
3602597.5	71.96207 (16121008)	88.64729 (17021408)	75.32293
(16010601)	69.97493 (17122124)	68.83782 (16122817)	
3602347.5	53.69078 (16121220)	66.82122 (17120621)	66.10287
(17021408)	55.46511 (17011224)	50.38875 (16012022)	
3602097.5	45.66717 (15022808)	42.17173 (16121008)	57.62647
(15020908)	49.18575 (16121022)	81.24784 (15011201)	
3601847.5	37.92386 (16022321)	36.62880 (16121220)	42.72170
(17120621)	45.87568 (17021408)	40.86495 (16121022)	
3601597.5	32.58247 (15011921)	37.80809 (15022808)	28.75288
(17122806)	37.77376 (17120621)	38.17912 (17021408)	
3601347.5	28.60714 (17031208)	34.70154 (15022808)	24.80946
(16121220)	28.70385 (17120621)	34.36969 (15020908)	
3601097.5	26.57502 (17031208)	25.34309 (15022808)	27.07353
(15022808)	22.18335 (16092807)	28.95484 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: RAP1
 INCLUDING SOURCE(S): RAP1 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS)	510868.86
511118.86				

3606097.5	7.95540 (16092207)	8.74379 (17121809)	7.29503
(17121809)	5.93482 (17032908)		
3605847.5	9.54857 (17121809)	7.95046 (17121809)	6.52939
(17032908)	6.44536 (15082707)		
3605597.5	8.74660 (17121809)	7.20439 (17032908)	6.87489
(15082707)	4.91137 (15082707)		
3605347.5	7.95681 (17032908)	7.08856 (15082707)	4.27455
(15082707)	6.17256 (17122309)		
3605097.5	6.88264 (15082707)	6.37355 (17122309)	9.89146
(17122309)	11.57345 (17122309)		
3604847.5	13.38758 (16082307)	13.67379 (17122309)	21.53140
(16040707)	29.03279 (16040707)		
3604597.5	32.22438 (16040707)	37.23691 (16040707)	31.19969
(16040707)	21.24384 (16040707)		

3604347.5	25.05054 (16040707)	12.38331 (16040707)	10.94553
(17082707)	11.09460 (17082707)		
3604097.5	16.43338 (16090707)	15.65267 (16090707)	14.46195
(16090707)	13.13256 (16090707)		
3603847.5	17.64374 (15062407)	16.11629 (15062407)	14.85957
(15062407)	13.80454 (15062407)		
3603597.5	21.10495 (16052106)	15.59448 (15061907)	13.82049
(17042907)	11.98592 (17042907)		
3603347.5	26.92972 (15120117)	13.47557 (17082908)	7.49755
(17122709)	7.54136 (15061907)		
3603097.5	32.46158 (15022408)	15.32487 (15022408)	11.54075
(17122709)	10.42534 (17122709)		
3602847.5	95.21674 (16040807)	35.61282 (15022408)	31.35644
(15022408)	19.45084 (15022408)		
3602597.5	53.00197 (17062906)	35.86333 (16040807)	39.80920
(16040807)	29.33742 (15022408)		
3602347.5	55.82529 (16122817)	63.30584 (15031607)	30.69029
(16071324)	66.60467 (16040807)		
3602097.5	90.25064 (17040307)	40.75195 (15013018)	39.28424
(16121203)	34.76856 (17123017)		
3601847.5	69.52672 (17011224)	33.52030 (16121120)	31.16234
(16013009)	30.61397 (16121203)		
3601597.5	35.15499 (16010421)	31.18445 (17011224)	30.05597
(16121120)	27.04397 (16013009)		
3601347.5	30.03190 (17021408)	26.11112 (16010421)	25.84363
(17011224)	24.70327 (16121120)		
3601097.5	28.30582 (17021408)	25.68114 (16121022)	22.91138
(16010421)	23.58260 (17021621)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: RAP1
 INCLUDING SOURCE(S): RAP1 ,
 *** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD
508226.78	3603955.63	707.07337 (15121608)	
507708.67	3603932.32	181.28747 (16011421)	
506203.59	3603369.23	40.70951 (15012720)	
507919.87	3604794.52	130.20954 (15021508)	
507037.89	3604916.08	73.64531 (15120308)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 *** ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: RMP

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): RMP ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) | 504118.86 504368.86 504618.86
504868.86 505118.86

3606097.5 | 22.09249 (16020408) 23.94218 (17020308) 28.03612
(17020308) 28.17394 (17010508) 30.77304 (15021008)
3605847.5 | 33.12289 (15120108) 26.97223 (15020808) 25.13131
(16020408) 30.01983 (17020308) 33.07140 (17020308)
3605597.5 | 50.63030 (15120108) 46.42018 (15120108) 39.19924
(15120108) 32.42354 (15020808) 30.48162 (16012908)
3605347.5 | 53.57840 (15120108) 58.93254 (15120108) 60.89936
(15120108) 58.04351 (15120108) 49.38022 (15120108)
3605097.5 | 39.15814 (15120108) 49.07709 (15120108) 60.29380
(15120108) 69.47618 (15120108) 74.92913 (15120108)
3604847.5 | 33.08931 (15012708) 32.73630 (15012708) 36.96373
(15120108) 50.39282 (15120108) 66.48724 (15120108)
3604597.5 | 34.91302 (15012708) 38.38280 (15012708) 41.64292
(15012708) 45.14370 (15012708) 49.72867 (15012708)
3604347.5 | 29.02402 (16020508) 33.29725 (16020508) 37.90044
(16020508) 42.64916 (16020508) 49.63118 (15012708)
3604097.5 | 26.86687 (15013008) 29.12391 (15013008) 30.37195
(15013008) 32.41495 (15013008) 34.47734 (15013008)
3603847.5 | 30.91763 (17121208) 33.26996 (17121208) 36.66500
(17121208) 38.82263 (17121208) 42.66200 (17121208)
3603597.5 | 34.52412 (17121208) 37.30553 (17121208) 40.89542
(17121208) 44.65382 (17121208) 48.44358 (17121208)
3603347.5 | 21.72311 (17121208) 23.37274 (17010904) 25.85647
(17122908) 29.62490 (17121708) 34.52682 (17121708)
3603097.5 | 27.82470 (17121708) 30.20484 (17121708) 32.59618
(17121708) 35.41434 (17121708) 36.90472 (17121708)
3602847.5 | 22.39400 (17121708) 23.02693 (15021021) 25.61114
(15021021) 27.27631 (15021021) 29.31287 (15122019)
3602597.5 | 20.51786 (15122019) 22.40681 (17122621) 24.42362
(17122621) 26.65802 (17021924) 28.95711 (17021924)
3602347.5 | 20.50601 (17021924) 21.78677 (15011806) 23.71380
(17012206) 25.51241 (16122906) 28.89912 (15011108)
3602097.5 | 21.95501 (15092907) 22.33356 (15092907) 24.65395
(15011108) 28.00098 (15011108) 30.57994 (15011108)
3601847.5 | 21.32492 (15011108) 23.48568 (15011108) 24.74395
(17121308) 28.85722 (16031707) 35.10084 (15092707)
3601597.5 | 22.04101 (17092807) 23.94298 (16031707) 30.04935
(15092707) 34.18971 (15092707) 33.69640 (15092707)
3601347.5 | 27.04204 (15092707) 30.74332 (15092707) 31.29790
(15092707) 27.99557 (15092707) 25.78547 (15032207)
3601097.5 | 29.34915 (15092707) 27.56962 (15092707) 22.50385
(15032207) 22.49079 (15032207) 19.62525 (15032207)

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: RMP ***

INCLUDING SOURCE(S): RMP ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) | 505368.86 505618.86 505868.86
506118.86 506368.86

3606097.5 | 29.90793 (15120308) 37.44853 (17020108) 45.26671
(15032407) 56.24454 (17013108) 60.81523 (16120208)
3605847.5 | 35.48062 (15021008) 36.30778 (15120308) 42.60962
(17020108) 50.90252 (15032407) 64.96444 (17013108)
3605597.5 | 38.08330 (17020308) 39.27352 (17010508) 44.11617
(15120308) 48.74982 (17020108) 58.61527 (15032407)
3605347.5 | 39.30205 (15020808) 39.55666 (17020308) 48.08255
(17020308) 52.35104 (15021008) 53.84541 (17020108)
3605097.5 | 73.06891 (15120108) 62.91124 (15120108) 48.81974
(16020408) 54.10669 (17020308) 59.09514 (15021008)
3604847.5 | 81.70941 (15120108) 93.17526 (15120108) 95.70688
(15120108) 84.12658 (15120108) 62.53913 (16020408)
3604597.5 | 48.04107 (15120108) 69.07305 (15120108) 94.32849
(15120108) 118.31956 (15120108) 129.97432 (15120108)
3604347.5 | 58.57401 (15012708) 66.71117 (15012708) 69.53732
(15012708) 68.82051 (15012708) 103.36156 (15120108)
3604097.5 | 41.75799 (16020508) 54.96651 (16020508) 65.45040
(16020508) 72.40373 (16020508) 86.71488 (15012708)
3603847.5 | 48.31155 (15013008) 52.87544 (15013008) 56.18820
(15013008) 64.19166 (15013008) 72.34978 (15013008)
3603597.5 | 53.85212 (17121208) 59.08647 (17121208) 65.76904
(17121208) 74.28481 (17121208) 87.43246 (17121208)
3603347.5 | 40.19623 (17121708) 46.93615 (17121708) 54.57928
(17121708) 64.52669 (17121708) 75.03059 (17121708)
3603097.5 | 37.63743 (17121708) 38.35024 (15021021) 42.66398
(15021021) 49.48592 (15122019) 58.72974 (17122621)
3602847.5 | 32.46513 (17122621) 36.95785 (16031807) 41.27390
(17021924) 48.74719 (17012206) 60.43072 (15011108)
3602597.5 | 32.10478 (17012206) 36.58954 (16122906) 44.15394
(15011108) 53.28464 (15011108) 67.87462 (16031707)
3602347.5 | 35.43934 (15011108) 39.64493 (15011108) 47.84298
(16031707) 56.59427 (16031707) 54.83344 (16031707)
3602097.5 | 36.23814 (16031707) 42.25542 (16031707) 45.25272
(15092707) 43.83756 (15032207) 41.75747 (15032207)
3601847.5 | 38.86275 (15092707) 36.30478 (15092707) 36.09098
(15032207) 32.59703 (15032207) 31.10214 (17011023)
3601597.5 | 29.78230 (15032207) 28.92442 (15032207) 24.50156
(15032207) 26.76018 (17011023) 29.60185 (16032607)
3601347.5 | 24.09790 (15032207) 21.51968 (17122924) 23.06266
(17020101) 25.52947 (16032607) 29.02361 (15010508)
3601097.5 | 19.38438 (17122924) 20.51663 (17020101) 22.82244
(16032607) 25.71274 (15010508) 24.11786 (15012007)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: RMP ***

Otay Hills Quarry AERMOD Output File (HRA)

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INCLUDING SOURCE(S):      RMP      ,
*** NETWORK ID: UCART1    ; NETWORK TYPE:
GRIDCART ***
** CONC OF TAC            IN MICROGRAMS/M**3
**
Y-COORD | X-COORD (METERS)
(METERS) |
507368.86 | 506618.86 506868.86 507118.86
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3606097.5 | 54.76875 (16120708) 42.35666 (15021508) 91.48116
(15021508) 72.95046 (15021508) 87.17936 (16012808)
3605847.5 | 65.53358 (16120208) 62.53111 (16120708) 65.43984
(15021508) 96.61066 (15021508) 74.24688 (17021508)
3605597.5 | 76.26535 (17013108) 70.09084 (16120208) 68.01631
(16120708) 104.34589 (15021508) 86.70541 (16100607)
3605347.5 | 69.56538 (15032407) 91.38201 (17013108) 81.72053
(16120708) 68.43405 (16120708) 86.88477 (15021508)
3605097.5 | 65.64440 (15120308) 84.36978 (15032407) 115.50687
(17013108) 107.03303 (16120708) 96.30989 (15021508)
3604847.5 | 75.06204 (17020308) 86.06713 (15021008) 105.38201
(15032407) 163.99439 (17013108) 182.31721 (16120708)
3604597.5 | 118.40693 (15120108) 85.34984 (16020408) 109.12183
(15021008) 140.49841 (17020108) 251.47992 (17013108)
3604347.5 | 149.29687 (15120108) 186.47146 (15120108) 181.14795
(15120108) 146.75392 (17020308) 183.56378 (15120308)
3604097.5 | 105.19703 (15012708) 123.92099 (15012708) 175.81296
(15120108) 281.83565 (15120108) 318.92284 (15120108)
3603847.5 | 82.16143 (15013008) 96.40148 (15013008) 121.35155
(16020508) 177.09467 (16020508) 269.50192 (15012708)
3603597.5 | 99.26815 (17121208) 114.47475 (17121208) 138.24684
(17121208) 166.25794 (17121208) 205.29398 (17121208)
3603347.5 | 84.78666 (17121708) 85.58403 (17121708) 101.27129
(15021021) 136.05962 (17021924) 169.68896 (15011108)
3603097.5 | 69.25840 (17021924) 79.67923 (17012206) 105.32364
(15011108) 140.90305 (16031707) 157.61796 (16031707)
3602847.5 | 76.24012 (15011108) 91.65752 (16031707) 105.58779
(16031707) 100.94451 (15032207) 93.01772 (16032607)
3602597.5 | 73.23037 (16031707) 74.17012 (15032207) 69.45873
(15032207) 67.89782 (16032607) 74.42034 (15012007)
3602347.5 | 55.65469 (15032207) 46.39144 (17122924) 53.33319
(16032607) 58.12518 (15010508) 70.00521 (16052806)
3602097.5 | 36.68096 (15010718) 42.37390 (16032607) 47.19602
(15010508) 53.86140 (16052806) 57.26588 (15123108)
3601847.5 | 34.78146 (16032607) 39.77005 (15010508) 41.28421
(16052806) 47.26827 (15123108) 49.28837 (15011308)
3601597.5 | 33.75483 (15010508) 32.82856 (15021520) 39.38502
(16052806) 39.68203 (16021102) 55.98985 (17020408)
3601347.5 | 27.76523 (15021520) 33.54758 (16052806) 35.37999
(15123108) 34.81154 (15123001) 62.13623 (17020408)
3601097.5 | 28.33194 (16052806) 30.23609 (16052806) 30.63477
(16021102) 42.26164 (17020408) 60.98860 (17020408)
*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: RMP ***
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INCLUDING SOURCE(S):      RMP      ,
*** NETWORK ID: UCART1    ; NETWORK TYPE:
GRIDCART ***
** CONC OF TAC            IN MICROGRAMS/M**3
**
Y-COORD | X-COORD (METERS)
(METERS) |
508618.86 | 507868.86 508118.86 508368.86
-----
3606097.5 | 33.45515 (16120206) 53.68935 (17022408) 17.95172
(15123009) 16.55259 (17032607) 40.10960 (17032607)
3605847.5 | 61.55319 (15010104) 80.60034 (16120908) 40.59883
(17022408) 30.14600 (16091507) 86.09119 (17032607)
3605597.5 | 83.03670 (17021508) 113.88324 (16120908) 73.10483
(15121702) 96.03413 (15010907) 88.09092 (17032607)
3605347.5 | 92.48148 (16012808) 120.94154 (16120908) 58.97557
(17022408) 40.03184 (16091507) 99.90380 (17011124)
3605097.5 | 96.08485 (16012808) 115.16747 (16120908) 35.55051
(17022408) 43.65689 (17032607) 33.22706 (17032607)
3604847.5 | 152.09047 (15021508) 155.16600 (16012808) 87.88551
(17022408) 59.46565 (17032607) 20.98705 (17032607)
3604597.5 | 214.21939 (16120708) 136.65335 (17021508) 62.37448
(15123009) 87.78600 (17032607) 26.66185 (16111708)
3604347.5 | 305.08743 (17013108) 276.58343 (16021523) 207.97239
(15022002) 141.83405 (17032607) 55.68843 (17020109)
3604097.5 | 292.26545 (15021008) 450.51054 (17013108) 613.67514
(16120908) 569.49139 (16121520) 286.45017 (16123006)
3603847.5 | 394.97709 (15012708) 677.54733 (15120108) 911.32898
(17022107) 1149.99807 (16072606) 277.65634 (15083124)
3603597.5 | 326.62029 (17121708) 484.38067 (17121708) 1258.68446
(15032207) 717.88568 (16040807) 108.80238 (15020117)
3603347.5 | 288.47438 (16031707) 305.34420 (15032207) 570.69869
(15032307) 622.68749 (15121508) 128.95651 (16013009)
3603097.5 | 145.27177 (16032607) 206.45892 (16052806) 243.83760
(15011408) 337.71720 (17062106) 354.50725 (17021408)
3602847.5 | 116.91567 (16052806) 160.23882 (17012608) 187.86277
(15011408) 186.62776 (17062106) 219.74612 (15121508)
3602597.5 | 96.95035 (15123108) 137.60955 (15032307) 150.73356
(15120608) 146.66541 (17010308) 133.35577 (17010608)
3602347.5 | 78.86912 (15011308) 93.78517 (15032307) 123.05143
(15120608) 116.78168 (17010308) 113.32898 (17010608)
3602097.5 | 79.87793 (15032307) 64.45235 (17021124) 101.99605
(15120608) 94.81324 (17010308) 84.17961 (17010608)
3601847.5 | 78.67494 (17020408) 53.37406 (15021703) 85.99879
(15120608) 78.43240 (17010308) 60.31939 (15020520)
3601597.5 | 67.70641 (17020408) 49.89583 (16012208) 73.35879
(15120608) 66.02926 (17010308) 54.37570 (17062106)
3601347.5 | 53.76807 (17020408) 45.57588 (16012208) 63.44957
(15120608) 56.35244 (17010308) 48.64386 (17062106)
3601097.5 | 39.84977 (17020408) 42.32379 (15011408) 55.60652
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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: RMP ***
```


Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): RMP ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 509118.86 509368.86 X-COORD (METERS) 509618.86

509868.86 510118.86

3606097.5 | 19.74193 (17032607) 13.17219 (16083007) 9.63975

(16111708) 11.22485 (17020109) 9.45697 (17020109)

3605847.5 | 14.19447 (17032607) 68.36119 (15122821) 17.44606

(16083007) 11.39403 (17020109) 8.76153 (17121809)

3605597.5 | 62.22341 (15021924) 55.10529 (15122821) 29.13201

(15092321) 19.70244 (17020109) 12.89691 (17121809)

3605347.5 | 83.08062 (15122821) 65.89753 (15092321) 69.75004

(17022521) 18.63261 (16092207) 14.66955 (17121809)

3605097.5 | 25.11766 (16083007) 15.93751 (17020109) 21.02842

(16092207) 39.86063 (17040402) 19.42306 (17012609)

3604847.5 | 18.46659 (17020109) 15.33945 (17121809) 19.03378

(17121809) 12.96572 (17032908) 18.38918 (15082707)

3604597.5 | 19.82945 (17020109) 22.70132 (17121809) 15.11966

(17032908) 11.58233 (17100708) 14.85724 (17122309)

3604347.5 | 32.85808 (17012609) 29.69171 (15082707) 18.82300

(17032608) 25.51733 (16040707) 40.28745 (16040707)

3604097.5 | 56.83186 (15022124) 44.47585 (16040707) 59.58261

(16040707) 45.64190 (16040707) 27.04998 (16040707)

3603847.5 | 151.26859 (16040707) 55.23305 (17032307) 45.05194

(17082707) 21.08184 (16090707) 18.52208 (16090707)

3603597.5 | 61.46391 (15061907) 42.19056 (16052106) 48.96668

(15062407) 30.94922 (17030408) 20.88072 (16052106)

3603347.5 | 108.17113 (16040807) 58.57687 (15022408) 112.03439

(15091922) 41.34226 (17122709) 71.52270 (17050123)

3603097.5 | 75.39774 (16013009) 251.65463 (15031607) 174.94180

(16012023) 137.27195 (17022805) 126.62164 (15012119)

3602847.5 | 276.38980 (17021408) 208.79270 (17040307) 117.52350

(15031607) 152.51311 (17011308) 109.46912 (16121122)

3602597.5 | 125.34337 (16010602) 117.43760 (17021408) 152.22489

(17040307) 102.47432 (17040307) 98.56656 (15031607)

3602347.5 | 120.49572 (15121508) 120.85715 (17021408) 81.08233

(17022803) 116.36953 (17040307) 88.02197 (17040307)

3602097.5 | 87.10140 (15121508) 77.93377 (15121508) 99.16161

(17021408) 65.32242 (15011201) 129.14038 (17040307)

3601847.5 | 66.43329 (17010608) 79.42360 (15121508) 67.68953

(17021408) 74.63336 (17021408) 55.88431 (15011201)

3601597.5 | 62.75574 (17010608) 64.88716 (15121508) 56.01794

(15121508) 68.09514 (17021408) 54.39249 (17021408)

3601347.5 | 54.03398 (17010608) 46.02027 (15121508) 57.18799

(15121508) 45.70113 (16010602) 60.81557 (17021408)

3601097.5 | 43.87423 (17010608) 41.86477 (17010608) 49.88658

(15121508) 42.76574 (15121508) 44.98238 (17021408)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: RMP ***

INCLUDING SOURCE(S): RMP ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 510368.86 510618.86 X-COORD (METERS) 510868.86

511118.86

3606097.5 | 8.89024 (17121809) 11.39121 (17121809) 11.06895

(17121809) 8.85630 (17121809)

3605847.5 | 12.08342 (17121809) 12.05823 (17121809) 9.40332

(17121809) 8.29338 (17032908)

3605597.5 | 13.24171 (17121809) 9.92208 (17121809) 8.88877

(17032908) 7.39181 (17032908)

3605347.5 | 10.66903 (17121809) 9.46988 (17032908) 7.30143

(17032908) 7.59613 (17100708)

3605097.5 | 10.11345 (17032908) 8.27096 (17100708) 8.59572

(17122309) 11.33498 (17122309)

3604847.5 | 12.37711 (16082307) 12.82268 (17122309) 14.46971

(17122309) 20.76791 (16040707)

3604597.5 | 17.34322 (16040707) 28.30231 (16040707) 33.79733

(16040707) 32.78120 (16040707)

3604347.5 | 41.74734 (16040707) 33.92683 (16040707) 23.76175

(16040707) 15.13585 (16040707)

3604097.5 | 14.41926 (17082707) 14.12906 (17082707) 13.33606

(17082707) 12.35589 (17082707)

3603847.5 | 16.18402 (16090707) 14.15007 (16090707) 13.37975

(17030408) 12.72256 (17030408)

3603597.5 | 18.31585 (15062407) 16.92408 (15062407) 15.76120

(15062407) 14.76428 (15062407)

3603347.5 | 29.52546 (17050123) 16.43668 (15061907) 12.19019

(15061907) 10.50441 (15061907)

3603097.5 | 35.87835 (17122709) 16.02945 (17122709) 13.75868

(17122709) 11.46712 (17122709)

3602847.5 | 95.06615 (15022202) 30.79204 (15022408) 18.69452

(15022408) 14.09274 (17122709)

3602597.5 | 90.26699 (16040807) 44.55862 (16040807) 33.53112

(15022408) 29.35071 (15022408)

3602347.5 | 82.47739 (15031607) 71.67081 (17011308) 40.03043

(16040807) 76.45826 (16040807)

3602097.5 | 84.89031 (17040307) 52.09031 (15031607) 57.57877

(15031607) 59.11121 (16040807)

3601847.5 | 113.08000 (17040307) 67.46385 (17040307) 41.51761

(17010220) 43.78557 (15031607)

3601597.5 | 49.16198 (15011201) 64.89881 (17040307) 62.10567

(17040307) 36.95649 (17040307)

3601347.5 | 40.43967 (17022803) 39.86790 (17040307) 55.41240

(17040307) 53.13859 (17040307)

3601097.5 | 50.89820 (17021408) 34.90972 (17022803) 35.28817

(17040307) 48.72245 (17040307)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: RMP ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): RMP ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ROAD ***

INCLUDING SOURCE(S): L0001431 , L0001432

, L0001433 , L0001434 , L0001435 ,

, L0001441 , L0001442 , L0001443 ,

, L0001449 , L0001450 , L0001451 ,

, L0001457 , L0001458 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

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

Y-COORD | X-COORD (METERS)

(METERS) |

504868.86 504118.86 504368.86 504618.86

3606097.5 | 14.17943 (15010408) 14.74516 (15011008) 17.44002

(16011506) 20.29319 (16012908) 20.84718 (17020308)

3605847.5 | 18.74001 (15040607) 17.68292 (15040607) 16.81713

(15010408) 18.68419 (15011008) 22.81866 (16012908)

3605597.5 | 17.17015 (15040607) 20.17329 (15040607) 22.61786

(15040607) 22.43291 (15040607) 22.19531 (15010408)

3605347.5 | 16.70738 (17012508) 16.07642 (15012821) 17.68449

(15040607) 21.12036 (15040607) 26.00328 (15040607)

3605097.5 | 17.71843 (15040307) 17.98856 (16122808) 19.24927

(17012508) 19.60870 (17012508) 20.19821 (15011608)

3604847.5 | 21.18380 (15040307) 22.69172 (15040307) 22.57279

(15040307) 21.72438 (15040307) 24.27512 (16122808)

3604597.5 | 17.99460 (17092707) 19.32032 (17092707) 20.40552

(17092707) 21.80793 (16020401) 25.46274 (15040307)

3604347.5 | 19.80750 (16040507) 20.46047 (16040507) 21.26807

(16040507) 22.08618 (16040507) 23.73012 (16011421)

3604097.5 | 16.13249 (17121406) 18.03378 (17121406) 19.33735

(17011708) 21.35513 (17011708) 23.93434 (17011708)

3603847.5 | 19.55706 (17021608) 20.47496 (17021608) 21.96538

(17021608) 22.42637 (17021608) 24.90924 (17122608)

3603597.5 | 15.30744 (15021102) 16.49131 (17022301) 18.58711

(17022301) 20.30938 (17022301) 21.80279 (15011603)

3603347.5 | 15.63424 (17122908) 16.90388 (16010308) 18.41294

(16010308) 19.41196 (15120303) 21.27253 (17011719)

3603097.5 | 15.10720 (15012720) 16.18943 (15012720) 17.48878

(16021602) 19.38998 (16021602) 20.61527 (16012803)

3602847.5 | 14.72987 (16012803) 15.88750 (16011702) 17.71239

(17120906) 18.87298 (15011506) 21.97118 (15092907)

3602597.5 | 14.72461 (15011506) 18.68365 (15092907) 22.53109

(15092907) 24.08736 (15092907) 22.99925 (15092907)

3602347.5 | 21.05689 (15092907) 20.89152 (15092907) 18.64683

(15092907) 20.09669 (17092807) 25.41010 (17092807)

3602097.5 | 15.05711 (15092907) 19.04297 (17092807) 23.08624

(17092807) 23.45906 (17092807) 30.29869 (15092707)

3601847.5 | 21.23047 (17092807) 21.49352 (17092807) 25.78508

(15092707) 29.83679 (15092707) 28.31576 (15092707)

3601597.5 | 22.61949 (15092707) 27.05701 (15092707) 26.85300

(15092707) 21.87286 (15092707) 14.13351 (15092707)

3601347.5 | 25.60664 (15092707) 22.38442 (15092707) 16.06463

(15092707) 10.94015 (17122302) 11.56325 (15022607)

3601097.5 | 17.52386 (15092707) 11.27242 (15092707) 9.91567

(17122105) 10.65244 (15012201) 11.42419 (17012504)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ROAD ***

INCLUDING SOURCE(S): L0001431 , L0001432

, L0001433 , L0001434 , L0001435 ,

, L0001441 , L0001442 , L0001443 ,

, L0001449 , L0001450 , L0001451 ,

, L0001457 , L0001458 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

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

Y-COORD | X-COORD (METERS)

(METERS) |

506118.86 505368.86 505618.86 505868.86

3606097.5 | 29.51206 (17040507) 29.50920 (17040507) 28.51081

(17020108) 27.63770 (16121408) 44.47639 (16120208)

3605847.5 | 25.93586 (17020308) 28.82535 (17040507) 33.99193

(17040507) 31.38573 (17020108) 31.66353 (16121408)

3605597.5 | 24.24732 (15011008) 29.64425 (16012908) 32.56889

(17020308) 37.84831 (17040507) 35.26230 (17020108)

3605347.5 | 26.33134 (15040607) 27.40003 (15010408) 31.47173

(16011506) 38.12243 (17020308) 40.25054 (17010508)

3605097.5 | 23.28841 (15040607) 30.19301 (15040607) 31.56152

(15121608) 34.97594 (16020408) 41.27334 (16012908)

Otay Hills Quarry AERMOD Output File (HRA)

3604847.5	22.60544 (17012508)	25.77067 (17012508)	29.58585
(15011608)	32.96379 (15040607)	39.91196 (15121608)	
3604597.5	25.09620 (15040307)	26.61280 (16011108)	28.92769
(16122808)	32.25536 (16122808)	38.65257 (17012508)	
3604347.5	27.06087 (16011421)	30.09517 (16011421)	31.70482
(17020524)	30.45102 (17020524)	35.79234 (16020401)	
3604097.5	27.08572 (17011708)	32.58174 (17011708)	35.71488
(17011708)	34.54005 (17011708)	36.64311 (17011708)	
3603847.5	28.10877 (17122608)	30.23695 (17122608)	31.15339
(17122608)	34.68748 (17122608)	37.40157 (17122608)	
3603597.5	25.12365 (17122908)	27.35308 (17122908)	29.54367
(17122908)	32.99268 (16010308)	39.22296 (16010308)	
3603347.5	23.18196 (15012720)	25.48965 (16021602)	28.02382
(16021602)	32.56281 (17021301)	37.75297 (17120906)	
3603097.5	22.29307 (16021621)	25.61995 (17120906)	27.41024
(17122121)	32.30826 (16021406)	37.51877 (17122824)	
3602847.5	25.78922 (15092907)	27.60556 (15092907)	27.25297
(17010704)	32.78212 (17092807)	41.89837 (15092707)	
3602597.5	21.91925 (17010708)	28.80417 (17092807)	32.25281
(15092707)	42.75948 (15092707)	40.99411 (15092707)	
3602347.5	26.69549 (15092707)	36.23600 (15092707)	37.37294
(15092707)	29.05661 (15092707)	22.05066 (15022607)	
3602097.5	33.36159 (15092707)	28.90184 (15092707)	19.32799
(15092707)	18.49444 (15012201)	20.34747 (17021905)	
3601847.5	20.87869 (15092707)	14.98325 (16011206)	16.25284
(15121422)	17.53316 (17021905)	18.79814 (17121505)	
3601597.5	13.02736 (15022607)	14.10102 (15121422)	15.16064
(16121224)	16.39590 (17121505)	17.45651 (15120324)	
3601347.5	12.54003 (17012504)	13.37284 (16121224)	14.28773
(17121505)	15.15913 (15120324)	15.96938 (17010801)	
3601097.5	12.10806 (16121224)	12.76890 (17121505)	13.58100
(15013101)	14.45800 (17010801)	15.23770 (16122704)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION	
VALUES FOR SOURCE GROUP: ROAD	***
INCLUDING SOURCE(S): L0001431 , L0001432	
, L0001433 , L0001434 , L0001435 ,	
L0001436 , L0001437 , L0001438 , L0001439 , L0001440	
, L0001441 , L0001442 , L0001443 ,	
L0001444 , L0001445 , L0001446 , L0001447 , L0001448	
, L0001449 , L0001450 , L0001451 ,	
L0001452 , L0001453 , L0001454 , L0001455 , L0001456	
, L0001457 , L0001458 , . . . ,	

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)	506618.86	507118.86
507368.86	507618.86	

3606097.5	51.28726 (16120208)	38.50092 (16010908)	63.79903
(17021308)	72.83232 (15021508)	76.40028 (17021508)	

3605847.5	49.90029 (16120208)	55.07565 (16120208)	49.74710
(16010908)	89.63369 (15021508)	71.06353 (17010724)	
3605597.5	36.81921 (17020202)	55.64420 (16120208)	54.79906
(16120208)	82.02734 (15120107)	91.24798 (15021508)	
3605347.5	43.31976 (15121803)	44.32058 (17020108)	60.27564
(16120208)	61.39789 (16120708)	71.14393 (15021508)	
3605097.5	49.03139 (17020308)	53.55666 (16011607)	64.54005
(17020108)	80.45788 (16120208)	81.33156 (16010908)	
3604847.5	46.16051 (16020408)	59.38913 (16012908)	69.14782
(17010508)	90.60580 (17020108)	118.65879 (16120208)	
3604597.5	44.28768 (17012508)	54.06592 (15121608)	66.38748
(16020408)	91.21900 (17020308)	132.93921 (17020108)	
3604347.5	41.27186 (16122808)	48.42222 (16122808)	60.22431
(17012508)	79.76184 (15121608)	115.00987 (17020308)	
3604097.5	42.32936 (17011708)	51.07050 (17011708)	61.68023
(17011708)	68.12668 (17011708)	87.56143 (17011708)	
3603847.5	38.91998 (17122608)	44.76791 (17122608)	51.73370
(17122908)	67.31201 (17122908)	87.88268 (17121708)	
3603597.5	42.39038 (15012720)	47.05359 (16021602)	57.38362
(16021621)	65.56560 (16011901)	91.81335 (17121308)	
3603347.5	43.13240 (16021406)	47.03582 (17121720)	60.10051
(17121308)	73.25278 (16021107)	60.72035 (16021420)	
3603097.5	43.79502 (17121308)	50.37861 (15092707)	49.83654
(15092707)	45.39317 (16021922)	52.19606 (17121505)	
3602847.5	49.84129 (15092707)	38.74195 (15092707)	36.62241
(15121422)	40.55741 (17121505)	44.33526 (17011608)	
3602597.5	26.19828 (16011206)	29.87677 (17012504)	33.62004
(17121505)	35.13068 (17010801)	39.16539 (17120918)	
3602347.5	24.28894 (17021905)	26.75063 (17121505)	29.23152
(17010801)	31.76338 (17012722)	36.94777 (16011119)	
3602097.5	21.68145 (17121505)	23.85092 (16011601)	25.50027
(16122704)	27.90913 (17010503)	32.70786 (15021805)	
3601847.5	20.14414 (15120324)	21.86370 (16122704)	23.11343
(17011624)	26.73647 (16011119)	42.67603 (17020408)	
3601597.5	18.33442 (17022221)	19.88247 (17012722)	24.52917
(17040807)	26.16734 (15041007)	50.07420 (17020408)	
3601347.5	17.04523 (17012722)	20.06456 (17040807)	20.97346
(16011119)	29.37606 (17020408)	48.36977 (17020408)	
3601097.5	16.09348 (17011624)	22.17936 (17040807)	22.76272
(15041007)	38.69404 (17020408)	40.78382 (17020408)	

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Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION	
VALUES FOR SOURCE GROUP: ROAD	***
INCLUDING SOURCE(S): L0001431 , L0001432	
, L0001433 , L0001434 , L0001435 ,	
L0001436 , L0001437 , L0001438 , L0001439 , L0001440	
, L0001441 , L0001442 , L0001443 ,	
L0001444 , L0001445 , L0001446 , L0001447 , L0001448	
, L0001449 , L0001450 , L0001451 ,	
L0001452 , L0001453 , L0001454 , L0001455 , L0001456	
, L0001457 , L0001458 , . . . ,	

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
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Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	36.19113 (16120206)	53.59835 (17022408)	20.78450
(16112208)	16.89302 (17032607)	40.96088 (17032607)	
3605847.5	71.01318 (17021508)	73.12708 (16121101)	42.51998
(16060301)	38.70931 (16091507)	62.10298 (17032607)	
3605597.5	91.14122 (17021508)	66.88904 (16121101)	65.70234
(15122121)	78.82060 (16010501)	82.22684 (17011124)	
3605347.5	70.62635 (17021508)	66.11986 (16021807)	58.15971
(17022408)	49.50988 (16091507)	95.90766 (16121520)	
3605097.5	97.60276 (15021508)	98.42256 (15010104)	37.72198
(17022408)	59.91212 (17032607)	19.61162 (16083007)	
3604847.5	116.62834 (16021523)	126.28042 (17021508)	69.07374
(17022408)	76.83235 (17032607)	25.98603 (16111708)	
3604597.5	195.79989 (16120708)	126.19042 (15021508)	61.42832
(15092607)	94.24036 (17032607)	20.78226 (16092207)	
3604347.5	173.26144 (17020108)	265.92538 (16010908)	129.74447
(15081703)	91.28121 (17032607)	32.07869 (15022724)	
3604097.5	144.74027 (15121608)	290.58261 (17020108)	716.89302
(15121006)	573.20420 (15011021)	125.48183 (16020303)	
3603847.5	132.12842 (16021119)	221.26732 (17121308)	626.53307
(16011119)	211.52444 (15012220)	88.26012 (17020924)	
3603597.5	115.13290 (16021420)	137.63857 (15011602)	251.35070
(15011724)	372.39666 (15021819)	56.20462 (16040807)	
3603347.5	79.06084 (16020219)	104.75604 (17022103)	165.74822
(17121323)	260.49471 (17011319)	76.16743 (15021708)	
3603097.5	62.84454 (17122820)	87.81787 (17020408)	109.44330
(15011007)	165.00872 (16121418)	164.27395 (17120621)	
3602847.5	56.87550 (17022103)	86.49926 (17020408)	77.80886
(15010823)	93.96899 (15121602)	92.65831 (15011507)	
3602597.5	48.87579 (16021904)	61.90064 (17020408)	61.69868
(16012923)	71.77220 (15021621)	70.18882 (16022321)	
3602347.5	63.09500 (17020408)	44.82712 (17020905)	49.08584
(17010402)	57.66534 (15021621)	56.25106 (15011921)	
3602097.5	61.39791 (17020408)	37.38935 (17122619)	39.89195
(17121803)	47.53605 (16022219)	46.88582 (15020321)	
3601847.5	49.05938 (17020408)	32.07000 (16010118)	33.96851
(17121803)	40.15594 (16022219)	39.60834 (16121418)	
3601597.5	33.89136 (17020408)	28.57016 (16010118)	28.98186
(17121803)	34.39244 (16022219)	34.68119 (17121306)	
3601347.5	26.52145 (17111908)	25.14419 (17122005)	25.63803
(16022921)	30.15303 (17122205)	30.93411 (16112308)	
3601097.5	21.79010 (17122619)	22.67680 (16122020)	23.23051
(15120902)	26.83726 (17122205)	30.36841 (16112308)	
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ROAD	*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
INCLUDING SOURCE(S):	
, L0001433 , L0001434 , L0001435 ,	L0001431 , L0001432
, L0001441 , L0001442 , L0001443 ,	
, L0001449 , L0001450 , L0001451 ,	
, L0001457 , L0001458 , . . . ,	

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD	509118.86	509368.86	X-COORD (METERS)
(METERS)	509868.86	510118.86	509618.86

3606097.5	6.30958 (15042507)	19.08856 (16111708)	8.42145
(16111708)	7.63362 (17020109)	7.60574 (16092207)	
3605847.5	10.81739 (16083007)	58.66149 (15052306)	11.71158
(17091007)	7.28698 (16092207)	9.89325 (17121809)	
3605597.5	59.40806 (15122821)	53.34853 (15092321)	35.50971
(16100201)	19.26681 (17121809)	10.64775 (17121809)	
3605347.5	70.05010 (15052306)	65.65864 (16101307)	60.18214
(16123006)	13.10559 (17012509)	8.59386 (17032908)	
3605097.5	21.31073 (16083007)	12.10875 (16081907)	15.01362
(17012509)	29.86558 (17032121)	11.80237 (15110508)	
3604847.5	15.39254 (16092207)	14.56904 (17121809)	10.01391
(17032908)	7.46922 (17122309)	14.59366 (17032608)	
3604597.5	16.45628 (17121809)	10.01311 (17032908)	20.96575
(17032608)	27.83371 (16040707)	31.00227 (16040707)	
3604347.5	33.68740 (16040707)	39.59392 (16040707)	29.32409
(16040707)	24.50791 (16040707)	20.85269 (16040707)	
3604097.5	34.53666 (16090707)	29.41356 (16090707)	18.39320
(16040707)	14.34952 (17030408)	12.60984 (17030408)	
3603847.5	48.95038 (15111922)	26.81646 (15062407)	17.23343
(15061907)	17.39837 (15061907)	15.98661 (17042907)	
3603597.5	47.81273 (16111408)	34.27233 (16040807)	23.33699
(15022408)	15.75486 (17062607)	13.34836 (17082908)	
3603347.5	66.57385 (16111408)	45.57100 (16040807)	71.83283
(16040807)	28.70384 (16040807)	45.60499 (15022408)	
3603097.5	44.77781 (15021708)	122.11362 (16011523)	78.42615
(16120121)	81.24011 (16040807)	71.03912 (16040807)	
3602847.5	154.28085 (17021408)	81.43231 (16010601)	66.94826
(17122124)	77.02467 (16020318)	57.12159 (16121121)	
3602597.5	68.81296 (16121008)	77.16610 (17021408)	64.52865
(16010601)	57.33074 (16012022)	56.80277 (16122817)	
3602347.5	53.36561 (16121220)	63.58997 (17120621)	59.62155
(17021408)	49.64441 (16010601)	45.59728 (16012022)	
3602097.5	46.76509 (15022808)	42.14402 (16121008)	54.76622
(15020908)	46.26117 (15021604)	65.00463 (15011201)	
3601847.5	39.01965 (15021419)	37.04694 (16121220)	42.40265
(17120621)	43.89904 (17021408)	39.61386 (15021604)	
3601597.5	33.97161 (17011319)	37.80638 (15022808)	29.69398
(17122806)	37.82457 (17120621)	37.35717 (17021408)	
3601347.5	29.82862 (16122021)	37.45733 (15022808)	25.41782
(16121220)	28.62044 (17120621)	34.48635 (15020908)	
3601097.5	29.14565 (17031208)	27.70472 (15022808)	26.54536
(15022808)	23.45656 (16092807)	29.80881 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: ROAD	*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
INCLUDING SOURCE(S):	
, L0001433 , L0001434 , L0001435 ,	L0001431 , L0001432

Otay Hills Quarry AERMOD Output File (HRA)

, L0001441 , L0001436 , L0001437 , L0001438 , L0001439 , L0001440
 , L0001442 , L0001442 , L0001443 ,
 , L0001449 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448
 , L0001450 , L0001450 , L0001451 ,
 , L0001457 , L0001452 , L0001453 , L0001454 , L0001455 , L0001456
 , L0001458 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD | X-COORD (METERS)
 (METERS) | 510368.86 510618.86 510868.86
 511118.86

3606097.5	9.34369 (17121809)	8.98173 (17121809)	6.29390
(17032908)	6.52726 (17032908)		
3605847.5	9.74731 (17121809)	6.98618 (17032908)	6.84217
(15082707)	5.95426 (15082707)		
3605597.5	7.76047 (17032908)	7.32568 (15082707)	5.63517
(15082707)	3.38054 (17122309)		
3605347.5	7.53758 (15082707)	5.05363 (15082707)	6.43889
(17122309)	9.30345 (17122309)		
3605097.5	6.91850 (17122309)	10.50521 (17122309)	11.90027
(17122309)	18.53114 (16040707)		
3604847.5	17.38119 (16040707)	25.29941 (16040707)	27.17315
(16040707)	25.11834 (16040707)		
3604597.5	27.54213 (16040707)	23.31471 (16040707)	18.36433
(16040707)	12.70870 (16040707)		
3604347.5	14.71950 (16040707)	11.49794 (17082707)	11.07751
(17082707)	10.66060 (16090707)		
3604097.5	11.76357 (17030408)	11.29840 (17030408)	10.96768
(17030408)	10.67663 (17030408)		
3603847.5	13.82682 (17042907)	12.79358 (15062407)	12.51236
(15062407)	12.19705 (15062407)		
3603597.5	13.19225 (15061907)	10.54264 (15061907)	9.49159
(15061907)	8.54677 (15061907)		
3603347.5	24.58925 (17122709)	12.05885 (17082908)	9.27319
(17122709)	7.39704 (17122709)		
3603097.5	27.53202 (15022408)	22.79047 (15022408)	14.68730
(15022408)	10.56269 (17122709)		
3602847.5	74.04662 (16040807)	32.39712 (16040807)	26.84165
(15022408)	22.98423 (15022408)		
3602597.5	45.17419 (15011223)	28.16868 (16040807)	33.87130
(16040807)	29.85479 (16040807)		
3602347.5	52.63222 (15013018)	48.87965 (16010101)	28.90843
(16071324)	44.99270 (16040807)		
3602097.5	67.74518 (17040307)	36.38257 (15013018)	36.11850
(16121203)	32.60469 (17022804)		
3601847.5	55.85691 (15011201)	31.77989 (17011021)	29.51188
(17122124)	29.30086 (16122817)		
3601597.5	33.30525 (15021604)	30.51087 (17011224)	28.97860
(16121120)	25.08179 (17122124)		
3601347.5	29.76928 (17021408)	25.42931 (16010421)	25.86510
(17011224)	24.37580 (16121120)		
3601097.5	27.84532 (17021408)	25.83631 (17021822)	22.85989
(16010421)	23.98704 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ROAD
 INCLUDING SOURCE(S): L0001431 , L0001432
 , L0001433 , L0001434 , L0001435 ,
 , L0001441 , L0001442 , L0001443 , L0001438 , L0001439 , L0001440
 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448
 , L0001449 , L0001450 , L0001451 ,
 , L0001457 , L0001452 , L0001453 , L0001454 , L0001455 , L0001456
 , L0001458 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD
508226.78	3603955.63	381.42691	(17020308)	
507708.67	3603932.32	102.53766	(17122908)	
506203.59	3603369.23	33.92837	(17021301)	
507919.87	3604794.52	128.26981	(15021508)	
507037.89	3604916.08	64.18519	(17010508)	

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 Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC1
 INCLUDING SOURCE(S): SC1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD	X-COORD (METERS)
(METERS) 504118.86	504368.86
504868.86	505118.86

3606097.5	12.94727 (15011008)	15.21889 (16120805)	17.80456
(16012908)	18.75109 (17020308)	22.25336 (17040507)	
3605847.5	13.95327 (15040607)	14.57346 (16020408)	15.57481
(15011008)	19.11280 (16012908)	21.69195 (17020308)	
3605597.5	16.77436 (15040607)	17.32588 (15040607)	16.92580
(15040607)	17.95676 (16020408)	19.66407 (15011008)	
3605347.5	15.28341 (15040607)	17.40802 (15040607)	18.74209
(15040607)	19.38794 (15040607)	20.13903 (15121608)	
3605097.5	15.12010 (17012508)	16.59526 (17012508)	17.27309
(15011608)	18.38631 (15011608)	20.78119 (15040607)	
3604847.5	19.24206 (15040307)	17.84187 (16021108)	17.55345
(16122808)	19.07982 (17012508)	22.10941 (17012508)	

Otay Hills Quarry AERMOD Output File (HRA)

3604597.5	17.96733 (15040307)	20.66384 (15040307)	22.97586
(15040307)	24.71704 (15040307)	25.13636 (15040307)	
3604347.5	15.47715 (16040507)	17.28119 (17092707)	19.34911
(17092707)	21.29228 (17092707)	22.88707 (17092707)	
3604097.5	18.12394 (16040507)	19.91508 (16040507)	21.13508
(16040507)	22.51592 (16040507)	23.90546 (16040507)	
3603847.5	15.60903 (15010808)	16.97071 (15010808)	18.85404
(15010808)	20.32652 (15010808)	22.64155 (15010808)	
3603597.5	19.57900 (17021608)	20.46381 (17021608)	21.87693
(17021608)	23.04197 (17021608)	23.93120 (17021608)	
3603347.5	14.24979 (16012807)	15.59942 (16012807)	17.07319
(16012807)	18.69028 (15011603)	20.88480 (17122908)	
3603097.5	14.38127 (16010308)	15.57585 (16010308)	16.69651
(17021402)	18.60503 (17021402)	20.35038 (17011719)	
3602847.5	14.05060 (15012720)	15.14768 (16021602)	16.70092
(16021602)	17.46303 (16021602)	19.54117 (16012803)	
3602597.5	13.59519 (16012803)	14.77213 (16011702)	16.30237
(17120906)	17.74201 (15011506)	21.02952 (15092907)	
3602347.5	13.60536 (15092907)	17.51759 (15092907)	20.95031
(15092907)	22.78771 (15092907)	22.31676 (15092907)	
3602097.5	19.55279 (15092907)	19.63279 (15092907)	17.70331
(15092907)	18.35706 (17092807)	23.95626 (17092807)	
3601847.5	14.07253 (15092907)	17.29490 (17092807)	21.22743
(17092807)	22.40576 (17092807)	26.95103 (15092707)	
3601597.5	19.34303 (17092807)	20.11875 (17092807)	22.86285
(15092707)	27.15938 (15092707)	26.55292 (15092707)	
3601347.5	20.00577 (15092707)	24.09851 (15092707)	24.83481
(15092707)	21.14946 (15092707)	14.39347 (15092707)	
3601097.5	23.08458 (15092707)	21.10029 (15092707)	16.07054
(15092707)	9.90596 (15092707)	10.07754 (15022607)	

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC1
 INCLUDING SOURCE(S): SC1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		

3606097.5	26.68448 (17040507)	23.16922 (17020108)	24.27580
(17020108)	25.75506 (16120208)	42.34074 (16120208)	
3605847.5	22.48566 (17040507)	29.46374 (17040507)	25.82150
(17040507)	28.98099 (17020108)	29.32726 (16120624)	
3605597.5	24.50472 (16012908)	26.88709 (17020308)	31.33751
(17040507)	32.24474 (17040507)	34.91670 (17020108)	
3605347.5	22.20992 (16020408)	25.23095 (16011506)	31.43930
(16012908)	32.10082 (17020308)	38.07853 (17040507)	
3605097.5	23.13825 (15040607)	25.67751 (15121608)	28.40726
(16020408)	33.90492 (16012908)	41.24768 (17020308)	
3604847.5	22.78902 (15011608)	24.64085 (15011608)	28.67849
(15040607)	33.14668 (15121608)	37.67887 (16020408)	

3604597.5	24.38574 (16122808)	25.98799 (17012508)	30.30701
(17012508)	33.41627 (15011608)	37.21912 (17012703)	
3604347.5	25.22491 (15040307)	30.08748 (15040307)	32.41193
(15040307)	35.56131 (16122808)	40.32699 (16122808)	
3604097.5	25.10361 (16040507)	28.85126 (16011421)	32.35367
(16011421)	34.63541 (15122708)	40.06313 (17122422)	
3603847.5	25.88056 (17121406)	28.88777 (17011708)	32.21113
(17011708)	37.46072 (17011708)	43.61501 (17011708)	
3603597.5	25.52322 (17021608)	26.48312 (17021608)	29.07898
(17121523)	33.18808 (17121523)	39.20558 (17121523)	
3603347.5	23.66058 (17122908)	26.69682 (17122908)	29.87210
(17122908)	34.16655 (16010308)	38.91628 (17011719)	
3603097.5	22.40628 (15012720)	25.36937 (16021602)	27.93046
(16021602)	32.46016 (16012803)	38.20924 (17120906)	
3602847.5	21.66936 (16011702)	24.71366 (17120906)	27.37750
(17122623)	33.60552 (15092907)	36.96530 (17121720)	
3602597.5	25.74686 (15092907)	28.12163 (15092907)	26.58696
(17122824)	31.90670 (17092807)	37.27428 (17092807)	
3602347.5	20.77664 (17010708)	27.58730 (17092807)	30.51422
(17092807)	39.77444 (15092707)	39.46928 (15092707)	
3602097.5	25.74236 (17092807)	32.16179 (15092707)	35.90543
(15092707)	28.12096 (15092707)	19.09541 (17122105)	
3601847.5	31.03007 (15092707)	28.16000 (15092707)	18.56215
(15092707)	16.18838 (15022607)	17.81360 (17012504)	
3601597.5	20.52145 (15092707)	12.88786 (17122302)	13.83489
(15012201)	15.23083 (17021905)	16.17053 (16020405)	
3601347.5	11.24033 (17122105)	12.19318 (15121422)	13.15018
(17021905)	13.85572 (17011920)	14.89595 (15013101)	
3601097.5	10.95728 (15121422)	11.55662 (17021905)	12.30070
(17011920)	13.06501 (15013101)	13.98675 (17010801)	

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC1
 INCLUDING SOURCE(S): SC1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	39.45035 (16120208)	33.08454 (16010908)	53.29101
(17021308)	54.29794 (15021508)	59.96173 (17021508)	
3605847.5	47.18370 (16120208)	40.75140 (16120208)	39.60248
(15122808)	67.96543 (15021508)	48.04545 (15021508)	
3605597.5	34.82029 (16120624)	52.47289 (16120208)	46.16029
(15121708)	59.26803 (17021308)	78.87163 (15021508)	
3605347.5	42.66779 (17020108)	42.69673 (16121408)	57.28030
(16120208)	55.02481 (16010908)	60.53926 (15021508)	
3605097.5	43.09350 (15021008)	51.72295 (17020108)	55.25991
(16121408)	72.63672 (16120208)	69.23527 (16010908)	
3604847.5	48.79727 (16012908)	54.50709 (17020308)	61.83761
(15121803)	75.31805 (16121408)	97.14822 (16120208)	

Otay Hills Quarry AERMOD Output File (HRA)

3604597.5	45.80494 (15121608)	53.95463 (16020408)	74.06398
(16012908)	83.59539 (15120308)	108.67199 (16121408)	
3604347.5	48.06402 (17012508)	55.10640 (15011608)	66.68228
(15121608)	86.34974 (16020408)	122.94151 (17020308)	
3604097.5	47.21733 (16020401)	57.24725 (17013020)	74.84028
(16122808)	94.05303 (17012508)	117.20264 (17012703)	
3603847.5	51.44146 (17011708)	61.87406 (17011708)	75.11190
(17011708)	93.40911 (16120722)	127.91941 (16011421)	
3603597.5	45.60489 (15021102)	54.91183 (15021102)	68.08688
(16012807)	89.15637 (17122908)	126.62307 (17122908)	
3603347.5	46.14734 (15012720)	54.00960 (16021602)	65.90348
(16012803)	86.05144 (15011506)	110.89002 (17121720)	
3603097.5	44.51465 (15011506)	51.47522 (16021406)	61.89331
(17010708)	79.37803 (17121308)	86.33377 (16021107)	
3602847.5	44.00604 (17010708)	50.31457 (17121308)	60.20877
(15092707)	44.10571 (17122302)	52.35284 (16121224)	
3602597.5	47.86264 (15092707)	42.07934 (15092707)	33.70436
(15022607)	37.86591 (16020405)	43.45971 (17010801)	
3602347.5	25.26854 (15092707)	26.40021 (15121422)	29.50096
(16020405)	32.74152 (15120324)	36.68808 (17012722)	
3602097.5	21.01837 (15121422)	23.44991 (16020405)	25.65167
(15120324)	28.34490 (16122704)	32.53110 (17022103)	
3601847.5	19.17778 (16020405)	21.06660 (15120324)	22.39099
(17022221)	24.67926 (17011624)	28.98054 (17022603)	
3601597.5	17.44470 (15013101)	18.67485 (16021923)	20.23265
(17012722)	25.94422 (17040807)	26.75916 (17020408)	
3601347.5	16.07391 (17010801)	16.94174 (17012722)	21.14428
(17040807)	21.06134 (17022603)	36.57094 (17020408)	
3601097.5	14.84508 (16122704)	15.75705 (17011624)	21.87310
(17040807)	22.19179 (15041007)	40.81366 (17020408)	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC1 ***
INCLUDING SOURCE(S): SC1 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

		** CONC OF TAC	IN MICROGRAMS/M**3
Y-COORD			X-COORD (METERS)
(METERS)			
508618.86	507868.86	508118.86	508368.86
-	508868.86		
-			
-			

3606097.5	60.10170 (17020920)	59.25505 (17020823)	21.80120
(15123009)	13.25803 (16112208)	33.76023 (17032607)	
3605847.5	85.89869 (16012808)	44.15194 (16121101)	63.30583
(16120106)	72.15173 (15100707)	85.83406 (16010501)	
3605597.5	97.19788 (16012808)	42.96594 (16021807)	46.75955
(17022408)	54.09466 (15010907)	91.88534 (16010501)	
3605347.5	51.24854 (17021508)	50.91868 (16021807)	104.58140
(16120106)	85.30741 (15100707)	97.19808 (17032607)	
3605097.5	78.10114 (15021508)	100.33479 (17021508)	43.17295
(15092607)	25.27560 (16112208)	46.98847 (17032607)	
3604847.5	118.38177 (15120107)	111.27214 (17021508)	85.49666
(16031803)	34.17569 (16112208)	35.55677 (17032607)	

3604597.5	142.47013 (15121708)	200.70008 (17022504)	69.09276
(17022408)	49.76963 (16112208)	22.95643 (16083007)	
3604347.5	158.04986 (17020108)	206.04898 (16010908)	233.20952
(15010807)	203.22087 (15110104)	58.43644 (15122318)	
3604097.5	185.84563 (16012908)	306.79042 (17020108)	359.82364
(15120107)	452.95983 (16010501)	503.40674 (16121519)	
3603847.5	191.00690 (16020401)	346.19515 (16122808)	925.54209
(17020308)	1590.90817 (16120120)	695.52859 (17011103)	
3603597.5	183.25362 (16010308)	311.31022 (16012803)	784.81854
(17121308)	1996.30692 (17121808)	290.62467 (15022408)	
3603347.5	163.35565 (17121308)	154.66037 (15121422)	267.26641
(17022103)	386.91102 (15021621)	244.91293 (17081204)	
3603097.5	81.15261 (17021905)	107.20974 (17011608)	149.14189
(16010102)	196.17580 (16022219)	169.68981 (17010406)	
3602847.5	63.46702 (17010801)	84.15748 (16011119)	96.29934
(15012823)	121.15215 (17122205)	112.80956 (15021419)	
3602597.5	50.60435 (17011624)	70.12534 (17020408)	68.04284
(16011319)	84.82709 (17121519)	81.72703 (15011921)	
3602347.5	44.73998 (16011119)	70.69679 (17020408)	52.67370
(16010118)	64.23103 (17121519)	62.81418 (15020321)	
3602097.5	41.17476 (17020408)	53.00003 (17020408)	41.92667
(16122020)	51.06442 (15121123)	49.83702 (17121306)	
3601847.5	51.52094 (17020408)	34.39794 (17020408)	34.28657
(16122020)	41.86974 (15121123)	41.02286 (15021622)	
3601597.5	49.82789 (17020408)	28.18585 (17122619)	28.80404
(16022802)	35.15338 (15121123)	34.09784 (17122218)	
3601347.5	41.45459 (17020408)	24.01864 (16011319)	24.79136
(16012923)	30.06338 (15121123)	30.34059 (16112308)	
3601097.5	30.82986 (17020408)	21.08412 (15022601)	21.63040
(16012923)	26.12092 (15121123)	27.53531 (16112308)	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC1 ***
INCLUDING SOURCE(S): SC1 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

		** CONC OF TAC	IN MICROGRAMS/M**3
Y-COORD			X-COORD (METERS)
(METERS)			
509868.86	509118.86	509368.86	509618.86
-	510118.86		
-			
-			

3606097.5	23.55319 (17032607)	24.09947 (15021924)	9.45746
(16111708)	7.30459 (17020109)	6.55384 (17020109)	
3605847.5	17.31853 (17032607)	65.18017 (16120120)	17.27338
(16083007)	7.89838 (17020109)	6.21545 (16092207)	
3605597.5	101.27274 (16121520)	63.91452 (15033023)	72.21643
(17032207)	37.29417 (16100201)	9.50935 (16081907)	
3605347.5	119.61465 (16120120)	92.62924 (15121319)	109.63672
(17021903)	20.27544 (16092207)	11.34895 (16092207)	
3605097.5	23.17589 (16111708)	11.19836 (17020109)	21.22024
(16092207)	86.31956 (15101307)	13.78722 (15082707)	
3604847.5	20.37049 (16111708)	10.36394 (16092207)	14.71760
(17121809)	11.61829 (15110508)	18.37642 (15082707)	

Otay Hills Quarry AERMOD Output File (HRA)

3604597.5	15.17767 (17020109)	17.63031 (17121809)	12.06164
(17032908)	9.21992 (15082707)	11.73870 (17122309)	
3604347.5	44.01678 (17121809)	32.60459 (15021121)	15.90278
(17032608)	28.13195 (17032608)	39.57671 (16040707)	
3604097.5	205.94212 (15041006)	57.00179 (16091707)	62.48263
(16040707)	41.22738 (16040707)	18.80159 (16040707)	
3603847.5	407.64196 (17122021)	153.85749 (17051623)	52.46109
(16090707)	22.12822 (16090707)	18.33759 (16090707)	
3603597.5	85.64199 (15020117)	65.70254 (16012017)	61.50766
(17012817)	41.12404 (17012817)	29.33353 (16052106)	
3603347.5	66.44678 (16111408)	147.78170 (15022408)	238.03858
(17021020)	60.13054 (15091922)	154.87744 (16013021)	
3603097.5	129.96955 (17082824)	161.31448 (16122817)	117.21253
(15121020)	128.41932 (17010923)	103.29659 (17022524)	
3602847.5	162.04420 (15020908)	110.52683 (17011224)	89.97192
(15013018)	84.77078 (17022804)	80.97533 (16040807)	
3602597.5	72.30472 (16121008)	99.12750 (17021408)	77.66015
(17011224)	66.45191 (17122124)	60.03009 (16121203)	
3602347.5	58.22506 (15011507)	72.83657 (17120621)	65.02073
(17021408)	57.92623 (17011224)	50.56963 (17122124)	
3602097.5	47.61857 (15021419)	42.94209 (16121008)	59.76330
(15020908)	49.21606 (16121022)	59.68724 (17011224)	
3601847.5	39.72542 (17011319)	37.61009 (16121220)	44.81598
(17120621)	48.98061 (17021408)	38.04287 (16010421)	
3601597.5	33.48583 (16122021)	37.67403 (15022808)	29.29590
(17122806)	39.36973 (17120621)	38.93525 (17021408)	
3601347.5	29.02059 (17123106)	32.40536 (15022808)	26.21535
(16121220)	29.94701 (17120621)	34.94479 (15020908)	
3601097.5	25.43813 (15020321)	24.72218 (16022321)	27.78714
(15022808)	21.83172 (17122806)	29.58429 (17120621)	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC1 ***
INCLUDING SOURCE(S): SC1 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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

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Y-COORD (METERS)			X-COORD (METERS)
511118.86	510368.86	510618.86	510868.86

3606097.5	6.74491 (16092207)	7.87161 (17121809)	8.23007
(17121809)	6.25160 (17121809)		
3605847.5	8.28445 (17121809)	9.00572 (17121809)	6.71581
(17121809)	6.26021 (17032908)		
3605597.5	9.95209 (17121809)	7.25513 (17121809)	6.78074
(17032908)	6.34674 (15082707)		
3605347.5	7.88827 (17121809)	7.57245 (15082707)	6.36345
(15082707)	3.75781 (15082707)		
3605097.5	12.46074 (15110508)	5.99396 (15082707)	5.89810
(17122309)	9.05727 (17122309)		
3604847.5	14.84460 (15022818)	12.35163 (16082307)	12.57713
(17122309)	17.14847 (16040707)		

3604597.5	15.82681 (17032608)	25.47922 (16040707)	33.34019
(16040707)	31.82744 (16040707)		
3604347.5	41.85755 (16040707)	30.64917 (16040707)	18.07309
(16040707)	9.38467 (16040707)		
3604097.5	14.15194 (17082707)	13.75605 (17082707)	12.71183
(17082707)	12.69462 (16090707)		
3603847.5	15.64865 (17030408)	14.45788 (17030408)	13.53895
(17030408)	12.74116 (17030408)		
3603597.5	33.17309 (15062407)	15.68580 (15062407)	14.82457
(15062407)	14.02402 (15062407)		
3603347.5	70.05789 (15060206)	15.79104 (15020117)	11.98033
(15061907)	11.00618 (15061907)		
3603097.5	41.24838 (15111922)	12.83796 (17122709)	11.20745
(17122709)	9.23948 (17122709)		
3602847.5	84.28751 (16040807)	36.40189 (15022408)	22.91146
(15022408)	10.82224 (15022408)		
3602597.5	97.21507 (16120121)	43.65980 (16040807)	35.44630
(16040807)	31.94117 (15022408)		
3602347.5	53.76442 (16121203)	61.26097 (17022804)	67.41636
(17011308)	74.89276 (15121020)		
3602097.5	51.74147 (17122124)	38.15584 (16122817)	35.31398
(17022804)	33.87868 (17121101)		
3601847.5	48.13544 (17021621)	31.63750 (17122124)	31.11948
(15013018)	28.44142 (16121203)		
3601597.5	33.71814 (16010421)	30.89164 (17021621)	27.00364
(16012022)	26.34976 (16013009)		
3601347.5	29.56983 (17021408)	27.83229 (16010421)	26.19553
(17021621)	22.67608 (16121120)		
3601097.5	30.19901 (17021408)	25.79949 (16121022)	23.92183
(16010421)	22.97436 (17021621)		

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC1 ***
INCLUDING SOURCE(S): SC1 ,

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*** DISCRETE CARTESIAN RECEPTOR

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POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	446.07770 (15021008)	
507708.67	3603932.32	150.82606 (16122808)	
	506203.59	3603369.23 36.01559 (16010308)	
507919.87	3604794.52	127.17677 (15120107)	
	507037.89	3604916.08 57.63578 (17020108)	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc ***
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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Otay Hills Quarry AERMOD Output File (HRA)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC2 ***
INCLUDING SOURCE(S): SC2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) | 504118.86 504368.86 504618.86
504868.86 505118.86

3606097.5	13.38554 (16020408)	14.21752 (15011008)	17.09698
(16012908)	19.42325 (16012908)	19.91320 (17020308)	
3605847.5	16.44080 (15040607)	15.40537 (15040607)	16.02093
(16020408)	17.80888 (15011008)	22.24544 (16012908)	
3605597.5	16.35614 (15040607)	18.46211 (15040607)	20.06592
(15040607)	19.51603 (15040607)	20.92078 (16020408)	
3605347.5	15.37347 (17012508)	15.77836 (15011608)	17.54725
(15040607)	20.01896 (15040607)	23.61275 (15040607)	
3605097.5	15.93680 (16122808)	16.82691 (17010407)	18.87712
(17012508)	18.91123 (17012508)	20.59251 (15011608)	
3604847.5	21.90512 (15040307)	22.58627 (15040307)	21.40947
(15040307)	20.32646 (16122808)	22.55211 (15011519)	
3604597.5	18.90331 (17092707)	19.74698 (17092707)	20.13457
(17092707)	24.24847 (15040307)	28.77874 (15040307)	
3604347.5	19.71670 (16040507)	19.98316 (16040507)	20.23738
(16040507)	21.04414 (16011421)	23.84574 (16011421)	
3604097.5	16.51998 (17011708)	18.58209 (17011708)	20.06586
(17011708)	22.07048 (17011708)	24.56518 (17011708)	
3603847.5	19.01746 (17021608)	20.27775 (17021608)	22.17034
(17021608)	23.24774 (17021608)	26.07015 (17122608)	
3603597.5	16.18534 (17021608)	16.43154 (17021608)	18.08112
(15021102)	20.14330 (15021102)	21.91898 (15021102)	
3603347.5	14.96864 (17122908)	16.65132 (17122908)	18.49047
(17122908)	20.03896 (17122908)	21.78469 (16010308)	
3603097.5	14.49127 (17021402)	15.86423 (17011719)	17.13491
(15012720)	19.67302 (15012720)	21.04387 (16021602)	
3602847.5	14.28689 (16021602)	15.06402 (16012803)	17.11843
(16012803)	18.56526 (16011702)	20.41244 (17120906)	
3602597.5	14.04169 (17120906)	15.21636 (17120906)	17.61431
(15092907)	22.28327 (15092907)	25.67211 (15092907)	
3602347.5	18.48441 (15092907)	21.17083 (15092907)	22.10936
(15092907)	20.54073 (15092907)	19.78974 (17092807)	
3602097.5	18.70369 (15092907)	16.38075 (15092907)	18.53092
(17092807)	23.36119 (17092807)	25.19246 (17092807)	
3601847.5	17.37104 (17092807)	21.03479 (17092807)	21.94604
(17092807)	25.61579 (15092707)	30.51117 (15092707)	
3601597.5	19.81789 (17092807)	22.13355 (15092707)	26.46308
(15092707)	26.76302 (15092707)	21.81611 (15092707)	
3601347.5	23.58192 (15092707)	24.80855 (15092707)	21.99413
(15092707)	15.85345 (15092707)	10.83451 (17122302)	
3601097.5	21.62495 (15092707)	17.18342 (15092707)	11.24611
(15092707)	9.78878 (17122105)	10.44574 (15121422)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC2 ***
INCLUDING SOURCE(S): SC2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) | 505368.86 505618.86 505868.86
506118.86 506368.86

3606097.5	28.00028 (17040507)	27.94530 (17040507)	27.05769
(17020108)	26.63076 (16121408)	39.38220 (16120208)	
3605847.5	24.81661 (17020308)	27.93833 (17040507)	32.84625
(17040507)	30.61305 (17020108)	30.93066 (16121408)	
3605597.5	23.32382 (16011506)	28.92666 (16012908)	31.06186
(17020308)	37.47133 (17040507)	34.79740 (17020108)	
3605347.5	23.95212 (15121608)	26.42277 (16020408)	31.13530
(16011506)	37.96424 (17020308)	39.38817 (15021008)	
3605097.5	23.05406 (15040607)	28.41822 (15040607)	31.15266
(15121608)	34.67727 (16020408)	42.98038 (16012908)	
3604847.5	23.88027 (17012508)	26.00421 (17012508)	30.45307
(15011608)	33.65670 (17012703)	41.56106 (15121608)	
3604597.5	27.69082 (15040307)	28.34521 (16122808)	30.55963
(16122808)	34.99144 (17012508)	40.67063 (17012508)	
3604347.5	27.31497 (15122708)	31.09730 (17122422)	33.58722
(16020401)	34.28803 (15020702)	41.33867 (16011108)	
3604097.5	27.55218 (17011708)	32.86459 (17011708)	35.56957
(16120722)	36.15897 (16120722)	40.03344 (16120722)	
3603847.5	30.04297 (17122608)	33.00887 (17122608)	35.09812
(17122608)	40.34237 (17122608)	45.63893 (17122608)	
3603597.5	24.92315 (15021102)	27.15856 (16012807)	30.22313
(16012807)	34.98228 (15011603)	44.54667 (17122908)	
3603347.5	23.95935 (16010308)	26.48802 (17021402)	30.22440
(17011719)	35.86319 (15012720)	42.08128 (16021602)	
3603097.5	22.44586 (16021602)	26.19952 (16012803)	29.14519
(16011702)	35.01269 (15011506)	41.06170 (16021406)	
3602847.5	22.41923 (15011506)	27.91714 (15092907)	32.16122
(15092907)	33.84898 (17122824)	40.84098 (17010708)	
3602597.5	26.21943 (15092907)	24.80322 (17010704)	30.74741
(17092807)	35.66208 (17092807)	48.96400 (15092707)	
3602347.5	27.01080 (17092807)	29.77347 (17092807)	38.21406
(15092707)	41.05209 (15092707)	28.97767 (15092707)	
3602097.5	30.73453 (15092707)	35.09538 (15092707)	30.61952
(15092707)	18.38029 (17122302)	19.68446 (15121422)	
3601847.5	28.81212 (15092707)	20.89076 (15092707)	15.32224
(17122105)	16.91179 (15121422)	18.16466 (16121224)	
3601597.5	13.77908 (15092707)	13.04569 (15022607)	14.30387
(17012504)	15.55417 (16121224)	16.52365 (17121505)	
3601347.5	11.54817 (15012201)	12.49946 (17012504)	13.37911
(16020405)	14.23501 (17121505)	15.14416 (15120324)	
3601097.5	11.16688 (17012504)	11.87016 (16020405)	12.69431
(17121505)	13.43781 (15120324)	13.97975 (16021923)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

Otay Hills Quarry AERMOD Output File (HRA)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC2 ***
INCLUDING SOURCE(S): SC2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) |
507368.86 506618.86 506868.86 507118.86

3606097.5	48.72742 (16120208)	35.62514 (15121708)	54.03928
(17021308)	71.52517 (15021508)	65.12702 (17010724)	
3605847.5	44.52115 (16120208)	54.08146 (16120208)	46.68490
(16010908)	76.00721 (15021508)	70.72011 (15121303)	
3605597.5	36.43435 (17020202)	50.41050 (16120208)	56.39680
(16120208)	66.27035 (15122808)	94.72034 (15021508)	
3605347.5	42.45481 (15121803)	46.32406 (17020108)	56.21918
(16120208)	61.39532 (15121708)	61.22841 (17021308)	
3605097.5	50.19673 (17020308)	54.57313 (15120308)	66.66050
(17020108)	77.24827 (16120208)	82.52944 (15121708)	
3604847.5	47.82643 (16020408)	65.18356 (16012908)	74.91393
(15021008)	99.59806 (17020108)	122.74112 (16120208)	
3604597.5	48.32884 (17121424)	60.49705 (15121608)	74.16076
(16020408)	110.11791 (17020308)	147.61813 (17020108)	
3604347.5	50.07107 (16122808)	57.66523 (17012508)	72.84021
(15011608)	97.16525 (15121608)	135.14997 (16011506)	
3604097.5	48.55623 (16011421)	60.45665 (15122708)	77.41064
(17020524)	94.32342 (17013020)	136.53606 (16122808)	
3603847.5	51.75548 (17122608)	62.91731 (17122608)	77.87985
(17122608)	102.46770 (17122608)	143.13844 (17122608)	
3603597.5	51.87798 (17122908)	60.14255 (17122908)	73.39124
(16010308)	90.34631 (15012720)	121.00068 (16012803)	
3603347.5	49.54032 (16012803)	56.54582 (17120906)	71.16909
(16021406)	93.99939 (17122824)	113.01792 (17121308)	
3603097.5	48.04306 (17121720)	56.30868 (17010708)	67.13030
(17121308)	73.56658 (16021107)	61.05120 (15022607)	
3602847.5	48.25624 (17121308)	58.68430 (15092707)	44.34577
(15092707)	44.70569 (15121422)	49.18110 (17121505)	
3602597.5	43.83483 (15092707)	30.59578 (16011206)	35.25511
(17012504)	37.03074 (17121505)	41.48168 (16122704)	
3602347.5	24.06320 (15022607)	27.07321 (17021905)	29.53252
(17121505)	31.82102 (17010801)	34.86910 (17011624)	
3602097.5	21.33717 (16121224)	23.59389 (17121505)	25.38017
(17010801)	27.61900 (17012722)	32.25088 (17022103)	
3601847.5	19.40503 (17121505)	21.14837 (17010801)	22.15347
(16122704)	26.52753 (17040807)	27.88027 (15021805)	
3601597.5	17.51148 (16121724)	18.95528 (16122704)	20.00889
(17011624)	23.26691 (17040807)	33.97683 (17020408)	
3601347.5	15.99496 (16022007)	17.12882 (16120304)	23.93727
(17040807)	22.49760 (15041007)	41.12957 (17020408)	
3601097.5	14.88167 (17012722)	18.72253 (17040807)	19.02161
(17040807)	24.32866 (17020408)	42.16115 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC2 ***
INCLUDING SOURCE(S): SC2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) |
508618.86 507868.86 508118.86 508368.86

3606097.5	40.46839 (17070706)	42.90920 (15022002)	21.84685
(17022408)	13.65252 (16112208)	37.31718 (17032607)	
3605847.5	83.16628 (16012808)	96.20247 (16120908)	52.28933
(17022408)	37.26921 (15111919)	86.74408 (17032607)	
3605597.5	81.72012 (17021508)	55.10276 (16021807)	57.25253
(16120106)	64.55703 (15010907)	99.41019 (17020819)	
3605347.5	59.17952 (15021508)	64.19079 (17021508)	72.19279
(17022408)	35.02310 (16112208)	124.09025 (17120924)	
3605097.5	97.12661 (15021508)	146.91461 (16012808)	40.19696
(17022408)	28.30164 (16112208)	40.96117 (17032607)	
3604847.5	186.06161 (17021107)	172.08268 (15121303)	79.62014
(17022408)	39.28727 (16112208)	25.06472 (17032607)	
3604597.5	182.15670 (15120408)	167.85117 (15021508)	64.61597
(15013009)	67.76289 (17032607)	33.51040 (16111708)	
3604347.5	198.69895 (15120308)	280.50526 (15123008)	262.70657
(17102907)	198.76021 (17032607)	59.24554 (17022620)	
3604097.5	212.64262 (15011608)	379.00681 (16012908)	709.64523
(15121708)	939.25437 (15122908)	427.71081 (16021003)	
3603847.5	221.40893 (17122608)	370.55009 (17122608)	1037.02512
(17011708)	4975.84060 (17020717)	398.71929 (15061006)	
3603597.5	188.76048 (16021406)	297.63525 (17121308)	374.72596
(17010801)	439.57047 (16021308)	196.50797 (16013009)	
3603347.5	110.65012 (16021107)	130.59692 (15120324)	214.09432
(16012324)	308.22595 (15021621)	110.30849 (16022919)	
3603097.5	74.41039 (16020219)	94.08997 (17022103)	122.57610
(16010204)	183.46634 (16022219)	167.49600 (15011507)	
3602847.5	58.78782 (17012722)	75.07082 (15021805)	82.68264
(17122619)	101.35106 (17122205)	97.27035 (16022321)	
3602597.5	51.27275 (17022103)	78.90887 (17020408)	62.01824
(16010118)	73.69686 (17121519)	71.18808 (17123106)	
3602347.5	41.97977 (15021805)	65.40100 (17020408)	47.98287
(17122005)	57.54101 (17121519)	56.31800 (16121418)	
3602097.5	50.61781 (17020408)	44.40813 (17020408)	38.56348
(16122020)	46.27992 (15121123)	45.36536 (17121306)	
3601847.5	54.29753 (17020408)	30.70905 (17020905)	32.07317
(16022802)	38.42521 (15121123)	37.57930 (15021622)	
3601597.5	47.60044 (17020408)	26.66234 (17122619)	27.11938
(16012923)	32.65846 (15121123)	32.69025 (16112308)	
3601347.5	37.25136 (17020408)	22.95833 (15022601)	23.66028
(16012923)	28.19863 (15121123)	30.33693 (16112308)	
3601097.5	26.55524 (17020408)	20.61696 (16010118)	21.07913
(17010402)	24.77800 (15121123)	27.38826 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

Otay Hills Quarry AERMOD Output File (HRA)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC2 ***
INCLUDING SOURCE(S): SC2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS)	509618.86
509868.86	510118.86			

3606097.5	19.99751 (17032607)	13.63506 (15121322)	10.29899
(16111708)	7.75703 (17020109)	5.91649 (17020109)	
3605847.5	13.28175 (17032607)	67.55671 (15033023)	16.58949
(16083007)	7.58150 (17020109)	8.26027 (16092207)	
3605597.5	69.64801 (15021924)	64.89577 (17060105)	38.42405
(15092321)	18.38250 (15022123)	10.37984 (16081907)	
3605347.5	99.69180 (15033023)	87.82256 (16120518)	87.00357
(17022521)	19.88165 (16092207)	10.51852 (17121809)	
3605097.5	25.54569 (16083007)	11.28699 (17020109)	24.27420
(16092207)	51.05445 (17090523)	12.68362 (15110508)	
3604847.5	19.54665 (16111708)	16.29621 (16092207)	14.13439
(17121809)	11.39785 (15022724)	14.16095 (15022818)	
3604597.5	20.88014 (16092207)	17.30548 (17121809)	12.19923
(15082707)	12.83328 (17032608)	20.45460 (17032608)	
3604347.5	40.94064 (17012305)	33.67530 (15022818)	40.83609
(17032608)	49.58146 (16040707)	43.93418 (16040707)	
3604097.5	118.50278 (16040707)	77.13749 (16040707)	31.12081
(16040707)	18.81152 (17082707)	17.05613 (17082707)	
3603847.5	172.68854 (15061006)	82.46357 (15021202)	36.55285
(17030408)	25.50571 (17030408)	20.66919 (15062407)	
3603597.5	97.86804 (15022408)	51.33071 (17122709)	39.00858
(16121017)	29.79808 (15020117)	22.48219 (15061907)	
3603347.5	102.79599 (16013009)	68.10751 (16040807)	147.94530
(16100807)	38.73655 (15022408)	85.97536 (17040401)	
3603097.5	55.64907 (17020419)	150.08793 (17122124)	123.41233
(17022804)	146.56586 (15121020)	140.50200 (16121122)	
3602847.5	145.13356 (17120621)	96.98353 (16121022)	81.70053
(16121120)	94.17011 (16121203)	74.49912 (17121101)	
3602597.5	69.92610 (16121220)	86.56378 (15020908)	71.19119
(16010421)	66.68673 (16121120)	67.13941 (16122817)	
3602347.5	53.62310 (17010624)	57.15954 (17120621)	68.87961
(17021408)	54.05702 (16010421)	50.37624 (17122518)	
3602097.5	43.67121 (15021419)	41.36492 (17010406)	53.78628
(17120621)	50.15921 (17021408)	84.28975 (16010601)	
3601847.5	37.23644 (15011921)	37.50758 (15022808)	35.36756
(16121008)	44.93737 (15020908)	40.84459 (16121022)	
3601597.5	31.78697 (16122021)	37.97732 (15022808)	28.58698
(17010406)	36.80068 (17120621)	38.39151 (17021408)	
3601347.5	28.09057 (17031208)	29.31414 (15022808)	25.24037
(16121220)	25.50130 (16121008)	32.57859 (15020908)	
3601097.5	24.49320 (16121418)	23.99825 (17011319)	30.23508
(15022808)	21.61976 (17010406)	26.82902 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC2 ***
INCLUDING SOURCE(S): SC2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS)	510868.86
511118.86				

3606097.5	7.95917 (16092207)	8.74518 (17121809)	7.72937
(17121809)	5.87653 (17032908)		
3605847.5	9.49260 (17121809)	8.46503 (17121809)	6.50898
(17032908)	6.50361 (15082707)		
3605597.5	9.37066 (17121809)	7.24769 (17032908)	7.06398
(15082707)	5.29881 (15082707)		
3605347.5	8.10695 (17032908)	7.46066 (15082707)	4.73588
(15082707)	5.81869 (17122309)		
3605097.5	7.48355 (15082707)	5.89103 (17122309)	9.58905
(17122309)	11.57842 (17122309)		
3604847.5	13.30100 (16082307)	13.72013 (17122309)	20.64919
(16040707)	28.85898 (16040707)		
3604597.5	31.37368 (16040707)	37.76074 (16040707)	32.27481
(16040707)	22.15959 (16040707)		
3604347.5	26.47873 (16040707)	13.05797 (16040707)	11.15544
(17082707)	11.29381 (17082707)		
3604097.5	16.94668 (16090707)	16.00751 (16090707)	14.68091
(16090707)	13.24704 (16090707)		
3603847.5	18.53209 (15062407)	16.84269 (15062407)	15.46814
(15062407)	14.32426 (15062407)		
3603597.5	21.32579 (15061907)	16.59834 (15061907)	13.76363
(17042907)	12.11957 (17042907)		
3603347.5	38.55495 (15091922)	13.68918 (17082908)	8.33246
(17122709)	6.98138 (15061907)		
3603097.5	37.90476 (15022408)	20.33699 (15022408)	11.61257
(17122709)	10.79028 (17122709)		
3602847.5	108.42167 (15121020)	37.92377 (16040807)	33.92907
(15022408)	23.38449 (15022408)		
3602597.5	70.98759 (15031607)	30.63090 (16040807)	40.50548
(16040807)	32.27060 (16040807)		
3602347.5	55.96054 (15013018)	69.94978 (17010220)	37.14300
(16071324)	60.36915 (16040807)		
3602097.5	92.06363 (17040307)	38.34710 (17122124)	38.86693
(16121203)	35.98662 (17022804)		
3601847.5	67.66596 (16010601)	33.68680 (17122518)	30.95751
(17122124)	29.90144 (16122817)		
3601597.5	35.02302 (16121022)	30.56889 (17011224)	29.96040
(17122518)	25.61292 (17122124)		
3601347.5	31.98614 (17021408)	24.78065 (16121022)	25.91396
(17011224)	24.72266 (17122518)		
3601097.5	28.15870 (15020908)	25.51334 (17021408)	22.21568
(16010421)	23.47278 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

Otay Hills Quarry AERMOD Output File (HRA)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC2 ***
INCLUDING SOURCE(S): SC2 ,
*** DISCRETE CARTESIAN RECEPTOR
POINTS ***
** CONC OF TAC IN MICROGRAMS/M**3
**
X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD
(M) Y-COORD (M) CONC (YYMMDDHH)

508226.78 3603955.63 511.46145 (17012508)
507708.67 3603932.32 155.16335 (16120722)
506203.59 3603369.23 37.75616 (15012720)
507919.87 3604794.52 177.29848 (15122808)
507037.89 3604916.08 68.95211 (15021008)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC3 ***
INCLUDING SOURCE(S): SC3 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
**
Y-COORD | X-COORD (METERS)
(METERS) | 504118.86 504368.86 504618.86
504868.86 505118.86

3606097.5 | 13.47009 (15010408) 14.11099 (15011008) 16.74921
(16120805) 19.78931 (16012908) 20.63705 (17020308)
3605847.5 | 16.90287 (15040607) 16.18020 (15040607) 16.15076
(16020408) 17.84928 (15011008) 22.14259 (16012908)
3605597.5 | 16.05859 (15040607) 18.50386 (15040607) 20.60334
(15040607) 20.57355 (15040607) 21.33540 (15010408)
3605347.5 | 15.85074 (17012508) 15.79574 (15011608) 17.01085
(15040607) 19.86069 (15040607) 24.13950 (15040607)
3605097.5 | 16.64711 (16021108) 17.10738 (15011519) 18.98480
(17012508) 19.44612 (17012508) 20.75391 (15011608)
3604847.5 | 21.83063 (15040307) 23.17881 (15040307) 22.70571
(15040307) 21.14540 (15040307) 23.76176 (16122808)
3604597.5 | 18.74746 (17092707) 20.03034 (17092707) 20.97111
(17092707) 22.94410 (15040307) 28.24565 (15040307)
3604347.5 | 20.22653 (16040507) 20.83959 (16040507) 21.52424
(16040507) 22.07150 (16040507) 24.50805 (16011421)
3604097.5 | 16.31926 (17011708) 18.50548 (17011708) 20.09661
(17011708) 22.28799 (17011708) 25.07852 (17011708)
3603847.5 | 20.18928 (17021608) 21.56597 (17021608) 23.64368
(17021608) 24.82368 (17021608) 27.10819 (17021608)
3603597.5 | 15.00308 (15021102) 16.39697 (15021102) 18.57465
(15021102) 20.52357 (15021102) 22.14815 (16012807)

3603347.5 | 15.37750 (17122908) 16.92624 (17122908) 18.56179
(17122908) 20.02507 (16010308) 21.84232 (16010308)
3603097.5 | 14.77294 (17011719) 15.92168 (17011719) 17.42698
(15012720) 19.97453 (16021602) 21.02414 (16021602)
3602847.5 | 14.06169 (16021602) 15.50270 (16012803) 17.32703
(16011702) 18.80757 (17120906) 20.52608 (15011506)
3602597.5 | 14.28617 (17120906) 15.43266 (15011506) 19.68474
(15092907) 23.75892 (15092907) 25.87761 (15092907)
3602347.5 | 19.64827 (15092907) 21.56751 (15092907) 21.43528
(15092907) 18.79237 (15092907) 22.30111 (17092807)
3602097.5 | 17.66300 (15092907) 14.84234 (17092807) 20.39113
(17092807) 24.16436 (17092807) 24.78608 (15092707)
3601847.5 | 18.78870 (17092807) 21.58728 (17092807) 21.20178
(17092807) 27.31890 (15092707) 30.49497 (15092707)
3601597.5 | 19.20995 (17092807) 23.72193 (15092707) 26.86998
(15092707) 25.55362 (15092707) 19.41867 (15092707)
3601347.5 | 24.22740 (15092707) 24.21262 (15092707) 20.26194
(15092707) 13.69229 (15092707) 10.88579 (17122105)
3601097.5 | 20.43635 (15092707) 15.38688 (15092707) 9.49556
(15092707) 9.82420 (15022607) 10.60172 (15121422)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC3 ***
INCLUDING SOURCE(S): SC3 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC IN MICROGRAMS/M**3
**
Y-COORD | X-COORD (METERS)
(METERS) | 505368.86 505618.86 505868.86
506118.86 506368.86

3606097.5 | 27.82613 (17040507) 29.21481 (17040507) 27.45770
(17020108) 26.84363 (16121408) 38.84020 (16120208)
3605847.5 | 25.29641 (17020308) 27.11814 (17040507) 33.80710
(17040507) 30.68144 (17020108) 31.04945 (17020202)
3605597.5 | 23.42909 (15011008) 29.35244 (16012908) 32.60440
(17020308) 37.74284 (17040507) 34.41497 (17020108)
3605347.5 | 24.54326 (15121608) 27.03581 (16020408) 31.19545
(16011506) 38.92225 (16012908) 40.18280 (17010508)
3605097.5 | 22.57236 (15040607) 28.84968 (15040607) 31.84377
(15121608) 35.70818 (16020408) 42.49237 (16012908)
3604847.5 | 23.71268 (17012508) 26.86470 (17012508) 31.44883
(15011608) 34.71436 (17012703) 42.17649 (15121608)
3604597.5 | 28.21448 (15040307) 29.44500 (15040307) 31.43080
(16122808) 34.46038 (17012508) 42.72747 (17012508)
3604347.5 | 27.80246 (16011421) 31.77652 (15122708) 34.50379
(17020524) 34.81448 (16020401) 41.43302 (15020702)
3604097.5 | 28.50915 (17011708) 34.61952 (17011708) 38.08268
(17011708) 37.42482 (17011708) 41.25433 (16120722)
3603847.5 | 30.64023 (17122608) 33.68776 (17122608) 35.71617
(17122608) 41.10951 (17122608) 46.40044 (17122608)
3603597.5 | 25.44125 (16012807) 27.72042 (16012807) 31.01950
(17122908) 36.92674 (17122908) 46.42875 (17122908)

Otay Hills Quarry AERMOD Output File (HRA)

3603347.5	24.01288 (17021402)	27.16335 (17011719)	30.75610
(15012720)	36.62537 (16021602)	42.26633 (16012803)	
3603097.5	22.85987 (16012803)	26.72888 (16011702)	29.89097
(17120906)	35.43062 (15011506)	41.94883 (16021406)	
3602847.5	23.39453 (15092907)	29.85969 (15092907)	31.76435
(15092907)	34.06623 (17010704)	41.87492 (17121308)	
3602597.5	24.70719 (15092907)	25.79533 (17010708)	32.73273
(17092807)	38.71372 (15092707)	50.21685 (15092707)	
3602347.5	28.28236 (17092807)	30.70608 (15092707)	40.00639
(15092707)	38.63302 (15092707)	23.90817 (15092707)	
3602097.5	32.54581 (15092707)	34.25084 (15092707)	27.14032
(15092707)	18.25701 (17122105)	20.04636 (15121422)	
3601847.5	26.68749 (15092707)	17.72959 (15092707)	15.40997
(15022607)	16.97985 (17012504)	18.24414 (16020405)	
3601597.5	12.41741 (17122302)	13.16101 (15012201)	14.41657
(17012504)	15.67785 (16020405)	16.22159 (15013101)	
3601347.5	11.66327 (15121422)	12.52218 (17021905)	13.47671
(16020405)	14.00901 (17121505)	15.04172 (16121724)	
3601097.5	11.28660 (17021905)	11.89515 (16020405)	12.52806
(17121505)	13.33206 (15120324)	14.00417 (16022007)	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC3
 INCLUDING SOURCE(S): SC3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)			
507368.86	506618.86	506868.86	507118.86
	507618.86		

3606097.5	50.16336 (16120208)	36.80623 (15121708)	55.17119
(17021308)	74.46812 (15021508)	68.92410 (17010724)	
3605847.5	43.96282 (16120208)	56.22475 (16120208)	48.55184
(16010908)	78.27040 (15120107)	72.89321 (15121303)	
3605597.5	37.92876 (17020108)	49.84500 (16120208)	59.20723
(16120208)	87.06931 (17011603)	96.58935 (15021508)	
3605347.5	43.78637 (16011607)	48.76178 (17020108)	55.64780
(16120208)	62.68514 (15121708)	62.84678 (17022201)	
3605097.5	52.85469 (17020308)	57.23610 (15120308)	70.82029
(17020108)	77.30432 (16120208)	87.10174 (15121708)	
3604847.5	49.70304 (16020408)	66.71515 (16012908)	77.64732
(15021008)	104.95244 (17020108)	126.51398 (16120208)	
3604597.5	51.33716 (15011608)	60.59300 (15121608)	78.50836
(16020408)	116.70445 (17020308)	149.26303 (17020108)	
3604347.5	50.16648 (16011108)	60.23689 (16122808)	77.84337
(17012508)	103.01516 (17012703)	144.98918 (16020408)	
3604097.5	49.13203 (16120722)	62.55860 (16011421)	80.28746
(15122708)	98.01063 (16020401)	140.36803 (16122808)	
3603847.5	52.18106 (17122608)	63.58044 (17122608)	78.58955
(17122608)	104.11888 (17122608)	146.61909 (17122608)	
3603597.5	52.18409 (17122908)	59.86002 (16010308)	75.82839
(15012720)	91.31225 (16021602)	126.29910 (17120906)	

3603347.5	51.04889 (16011702)	57.72947 (15011506)	72.38281
(16121801)	98.89167 (17010708)	108.81872 (17020106)	
3603097.5	49.11212 (17122824)	57.49255 (17010708)	65.64861
(16122619)	65.61456 (16021107)	62.39442 (17012504)	
3602847.5	50.92798 (15092707)	57.43609 (15092707)	40.18200
(17122302)	45.02296 (17021905)	49.46347 (15120324)	
3602597.5	38.63074 (15092707)	30.85791 (15022607)	35.43978
(16121224)	37.07127 (15013101)	41.24180 (16122704)	
3602347.5	24.35317 (15121422)	27.23800 (16121224)	29.52074
(15013101)	31.87539 (16122704)	34.44051 (17010503)	
3602097.5	21.40275 (16121224)	23.45259 (15013101)	24.97544
(16021923)	27.53476 (16120304)	31.95523 (16011119)	
3601847.5	19.16727 (15013101)	21.33913 (17010801)	22.31513
(17012722)	27.89905 (17040807)	28.11607 (15041007)	
3601597.5	17.73959 (17010801)	18.93290 (16122704)	20.37132
(17040807)	22.72371 (16011119)	37.88330 (17020408)	
3601347.5	16.16900 (16122704)	17.17186 (16120304)	23.93823
(17040807)	23.41721 (15041007)	43.03012 (17020408)	
3601097.5	14.99113 (17012722)	20.50673 (17040807)	17.86403
(17022603)	27.47823 (17020408)	42.04204 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC3
 INCLUDING SOURCE(S): SC3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)			
508618.86	507868.86	508118.86	508368.86
	508868.86		

3606097.5	36.15074 (17070706)	42.15989 (17022408)	20.87944
(17022408)	12.97155 (16112208)	39.58271 (17032607)	
3605847.5	81.29595 (17021508)	101.65723 (16120908)	50.61089
(17022408)	33.12310 (15111919)	88.95890 (17032607)	
3605597.5	83.94872 (17021508)	56.33406 (16021807)	59.24775
(16120106)	66.63086 (15010907)	93.39719 (17032607)	
3605347.5	61.00879 (15021508)	64.84197 (15022206)	187.21775
(15092607)	36.10271 (16091507)	120.70472 (17120924)	
3605097.5	101.21799 (15021508)	133.22572 (16012808)	41.88931
(17022408)	28.25796 (17032607)	32.56643 (17032607)	
3604847.5	181.85092 (17021401)	166.84767 (17010208)	87.32612
(17022408)	46.89563 (17032607)	16.07869 (17032607)	
3604597.5	191.25735 (15120408)	172.20694 (15021508)	68.24123
(15013009)	94.85534 (17032607)	41.62000 (16111708)	
3604347.5	220.69451 (15021008)	322.88913 (15120408)	238.76229
(17102907)	238.37097 (17032607)	67.40430 (15022723)	
3604097.5	238.91268 (17012508)	382.17566 (16020408)	866.62977
(15121708)	1150.09870 (16120120)	345.32032 (17052405)	
3603847.5	229.60522 (17122608)	373.96880 (17122608)	1094.01645
(17122908)	4248.80944 (15121507)	333.54244 (16021806)	
3603597.5	196.71012 (17122824)	276.74125 (16021107)	357.89807
(16120304)	345.91870 (16021308)	206.63882 (16013009)	

Otay Hills Quarry AERMOD Output File (HRA)

3603347.5	100.83118 (15022607)	128.86412 (17010801)	206.75136
(16010102)	294.24543 (17122218)	93.96359 (16022919)	
3603097.5	75.00243 (15120324)	97.91422 (17022103)	120.09590
(15012823)	176.92646 (16022219)	161.27170 (16121220)	
3602847.5	58.31926 (16120304)	76.69849 (17020408)	78.81537
(15022601)	96.50869 (16022219)	93.66263 (16022321)	
3602597.5	50.85451 (16011119)	79.92782 (17020408)	60.56265
(17122005)	71.57673 (17122205)	68.72662 (16122021)	
3602347.5	42.02510 (17020408)	59.84437 (17020408)	47.12608
(16122020)	56.02728 (17122205)	54.52918 (15020321)	
3602097.5	54.90212 (17020408)	38.28996 (17020408)	37.67562
(16022802)	44.98524 (17121519)	44.26270 (17121306)	
3601847.5	54.33499 (17020408)	30.54233 (17122619)	31.46525
(16012923)	37.34888 (17121519)	36.88829 (15021622)	
3601597.5	45.03872 (17020408)	26.15205 (16011319)	26.66841
(16012923)	31.77741 (15121123)	32.18337 (16112308)	
3601347.5	33.89475 (17020408)	22.75359 (15022601)	23.40616
(17010402)	27.58199 (15121123)	30.22514 (16112308)	
3601097.5	23.48900 (17020408)	20.51966 (16010118)	20.91020
(17010402)	24.36020 (15121123)	27.53568 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC3 ***
 INCLUDING SOURCE(S): SC3 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)	509118.86	509368.86
509868.86	510118.86	509618.86

3606097.5	16.50940 (17032607)	12.35427 (15121322)	10.31184
(16111708)	7.78477 (17020109)	5.46379 (17020109)	
3605847.5	12.07934 (16010705)	64.51097 (15122821)	15.56049
(16083007)	7.30729 (15022224)	8.77867 (16092207)	
3605597.5	67.32520 (15021924)	61.41480 (15052306)	32.88339
(16101307)	18.36863 (16092207)	10.74699 (17121809)	
3605347.5	89.53228 (15033023)	81.98008 (17032207)	80.54812
(17022521)	17.74265 (16092207)	9.74585 (17121809)	
3605097.5	26.67658 (16083007)	12.58624 (15022224)	22.63399
(16092207)	49.29073 (17090523)	13.54189 (15110508)	
3604847.5	16.11206 (16111708)	16.60875 (16092207)	12.72708
(17121809)	11.85159 (15022724)	15.66893 (15022818)	
3604597.5	25.74246 (16092207)	15.12628 (17121809)	10.75800
(15082707)	18.38836 (17032608)	22.90698 (16040707)	
3604347.5	36.55134 (15082707)	29.68165 (15022818)	41.32919
(17032608)	52.74258 (16040707)	36.77614 (16040707)	
3604097.5	182.20342 (16040707)	56.76310 (16040707)	25.52012
(17032307)	19.80639 (17091207)	18.88931 (16090707)	
3603847.5	147.47217 (15012017)	82.95747 (15012017)	31.43385
(17030408)	24.34698 (15062407)	21.43630 (15062407)	
3603597.5	106.72582 (16040807)	46.60332 (15122117)	39.35598
(17122709)	28.69588 (15020117)	20.82348 (15020117)	

3603347.5	83.29595 (16013009)	53.46826 (16040807)	134.23871
(16040807)	45.37549 (15022408)	77.06605 (15012119)	
3603097.5	50.48207 (17010522)	209.72507 (17040307)	121.98666
(16121203)	145.00084 (17011308)	135.72136 (16121122)	
3602847.5	168.81006 (17120621)	94.97252 (16121022)	82.02640
(17122518)	91.66181 (16122817)	71.67024 (17121101)	
3602597.5	68.41490 (16121220)	83.42921 (15020908)	68.91312
(16010421)	67.82686 (17122518)	66.73778 (15013018)	
3602347.5	52.13549 (17010624)	55.21744 (17120621)	67.72605
(17021408)	53.02282 (16010421)	51.20279 (17122518)	
3602097.5	42.67143 (15021419)	40.69826 (17010406)	52.91893
(17120621)	50.09218 (17021408)	83.37989 (15011201)	
3601847.5	36.49172 (17011319)	36.85525 (15022808)	34.92851
(16121008)	44.12332 (15020908)	40.57426 (16121022)	
3601597.5	31.32920 (16122021)	37.90157 (15022808)	28.18498
(17010406)	36.07280 (17120621)	37.72032 (17021408)	
3601347.5	28.16903 (17031208)	29.78673 (15022808)	24.82426
(16121220)	25.22899 (16121008)	32.02446 (15020908)	
3601097.5	24.22680 (17031208)	23.68483 (17011319)	29.92747
(15022808)	21.54294 (16092807)	26.41561 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC3 ***
 INCLUDING SOURCE(S): SC3 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)	510368.86	510618.86
511118.86		510868.86

3606097.5	8.07690 (16092207)	8.88258 (17121809)	7.29688
(17121809)	6.05713 (17032908)		
3605847.5	9.72748 (17121809)	7.95402 (17121809)	6.65514
(17032908)	6.51396 (15082707)		
3605597.5	8.75223 (17121809)	7.32633 (17032908)	6.87477
(15082707)	4.70297 (15082707)		
3605347.5	8.09227 (15082707)	6.97338 (15082707)	3.98413
(15082707)	6.94431 (17122309)		
3605097.5	6.78163 (16042804)	7.36653 (17122309)	10.79197
(17122309)	11.96991 (17122309)		
3604847.5	15.20145 (17032608)	14.39946 (16040707)	25.56465
(16040707)	31.20392 (16040707)		
3604597.5	37.23079 (16040707)	37.55071 (16040707)	28.19069
(16040707)	17.57020 (16040707)		
3604347.5	18.98865 (16040707)	11.67048 (17082707)	11.97682
(17082707)	11.63038 (17082707)		
3604097.5	17.53540 (16090707)	15.78131 (16090707)	13.98873
(16090707)	12.31449 (16090707)		
3603847.5	19.21360 (15062407)	17.45302 (15062407)	16.01900
(15062407)	14.82501 (15062407)		
3603597.5	19.92906 (15061907)	16.24329 (15061907)	13.49952
(15061907)	11.10370 (15061907)		

Otay Hills Quarry AERMOD Output File (HRA)

3603347.5	34.75214 (15091922)	13.33666 (17082908)	9.12747
(17122709)	6.98092 (17122709)		
3603097.5	40.10900 (15022408)	24.51820 (15022408)	11.25647
(17122709)	10.82132 (17122709)		
3602847.5	92.82133 (15121020)	40.66928 (16040807)	34.32745
(15022408)	26.06520 (15022408)		
3602597.5	62.95862 (16010101)	26.73953 (16040807)	39.29115
(16040807)	34.30581 (16040807)		
3602347.5	54.07931 (15013018)	69.01353 (17010220)	35.05639
(16071324)	54.96412 (16040807)		
3602097.5	87.56526 (17040307)	38.77916 (17122124)	38.64720
(16122817)	36.31344 (17022804)		
3601847.5	68.90312 (16010601)	34.04061 (17122518)	30.83449
(17122124)	29.81539 (16122817)		
3601597.5	35.28401 (16121022)	30.23652 (16010601)	30.30701
(17122518)	25.21172 (17122124)		
3601347.5	31.77958 (17021408)	24.77078 (16121022)	25.51227
(17011224)	24.91675 (17122518)		
3601097.5	27.71639 (15020908)	25.57972 (17021408)	21.61508
(16010421)	23.34032 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC3 ***
INCLUDING SOURCE(S): SC3 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD
(M)	Y-COORD (M)	CONC	(YYMMDDHH)	
508226.78	3603955.63	589.70436	(16122808)	
507708.67	3603932.32	174.01795	(17011708)	
506203.59	3603369.23	38.55849	(16021602)	
507919.87	3604794.52	163.70980	(15011206)	
507037.89	3604916.08	71.97258	(15021008)	

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** **
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC4 ***
INCLUDING SOURCE(S): SC4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)
504868.86	505118.86		504618.86
3606097.5	13.48893 (16020408)	14.29166 (15011008)	17.15666
(16012908)	19.65488 (16012908)	20.18398 (17020308)	
3605847.5	16.68675 (15040607)	15.73324 (15040607)	16.18260
(16020408)	18.05910 (15011008)	22.57794 (16012908)	
3605597.5	16.37789 (15040607)	18.61905 (15040607)	20.42081
(15040607)	20.03665 (15040607)	21.40873 (16020408)	
3605347.5	15.74768 (17012508)	15.93127 (15011608)	17.51949
(15040607)	20.13302 (15040607)	24.04885 (15040607)	
3605097.5	16.37061 (16122808)	17.12311 (17010407)	19.21143
(17012508)	19.25215 (17012508)	20.81856 (15011608)	
3604847.5	22.12540 (15040307)	23.07943 (15040307)	22.13779
(15040307)	20.70456 (16122808)	23.40817 (16122808)	
3604597.5	19.04391 (17092707)	20.08545 (17092707)	20.71257
(17092707)	24.05393 (15040307)	29.03628 (15040307)	
3604347.5	20.15360 (16040507)	20.57667 (16040507)	21.02996
(16040507)	21.44919 (16011421)	24.59150 (16011421)	
3604097.5	16.62626 (17011708)	18.81964 (17011708)	20.36738
(17011708)	22.50593 (17011708)	25.21917 (17011708)	
3603847.5	19.78650 (17021608)	21.13565 (17021608)	23.17876
(17021608)	24.33002 (17021608)	26.81001 (17122608)	
3603597.5	15.45176 (17021608)	16.34619 (15021102)	18.60945
(15021102)	20.67121 (15021102)	22.36688 (15021102)	
3603347.5	15.34808 (17122908)	17.00092 (17122908)	18.78257
(17122908)	20.18682 (17122908)	22.14108 (16010308)	
3603097.5	14.78249 (17011719)	16.08222 (17011719)	17.50539
(15012720)	19.99830 (16021602)	21.34164 (16021602)	
3602847.5	14.31703 (16021602)	15.48662 (16012803)	17.36606
(16012803)	18.85547 (16011702)	20.70789 (17120906)	
3602597.5	14.33409 (17120906)	15.46487 (15011506)	18.99328
(15092907)	23.39386 (15092907)	26.09076 (15092907)	
3602347.5	19.33312 (15092907)	21.60555 (15092907)	21.91671
(15092907)	19.66868 (15092907)	21.53609 (17092807)	
3602097.5	18.23110 (15092907)	15.49260 (15092907)	19.84615
(17092807)	24.09618 (17092807)	24.86263 (17092807)	
3601847.5	18.38996 (17092807)	21.56690 (17092807)	21.67198
(17092807)	26.93910 (15092707)	30.80792 (15092707)	
3601597.5	19.59561 (17092807)	23.32792 (15092707)	26.95351
(15092707)	26.20348 (15092707)	20.39803 (15092707)	
3601347.5	24.18479 (15092707)	24.61943 (15092707)	21.02028
(15092707)	14.51499 (15092707)	10.98157 (17122105)	
3601097.5	21.00626 (15092707)	16.10855 (15092707)	10.13502
(15092707)	9.87953 (15022607)	10.65974 (15121422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC4 ***
INCLUDING SOURCE(S): SC4 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS) 505868.86
506118.86	506368.86		
3606097.5	28.38914 (17040507)	28.44430 (17040507)	27.49939
(17020108)	26.96897 (16121408)	40.22515 (16120208)	
3605847.5	25.32312 (17020308)	28.29411 (17040507)	33.47083
(17040507)	31.02397 (17020108)	31.38828 (16121408)	
3605597.5	23.74494 (16011506)	29.63350 (16012908)	32.06152
(17020308)	38.23629 (17040507)	35.33630 (17020108)	
3605347.5	24.58303 (15121608)	27.15586 (16020408)	31.95347
(16011506)	39.11556 (17020308)	40.67422 (15021008)	
3605097.5	23.14756 (15040607)	28.97127 (15040607)	32.08919
(15121608)	35.84573 (16020408)	44.13367 (16012908)	
3604847.5	24.04683 (17012508)	26.54271 (17012508)	31.39064
(15011608)	34.75127 (17012703)	42.90583 (15121608)	
3604597.5	28.25658 (15040307)	28.73981 (16122808)	31.19908
(16122808)	35.29940 (17012508)	42.23376 (17012508)	
3604347.5	28.09419 (15122708)	31.94241 (17020524)	34.47832
(17020524)	34.61320 (15020702)	41.91169 (17013020)	
3604097.5	28.52532 (17011708)	34.42948 (17011708)	37.55050
(17011708)	36.96583 (16120722)	41.13346 (16120722)	
3603847.5	30.97866 (17122608)	34.09005 (17122608)	36.14090
(17122608)	41.65642 (17122608)	47.03970 (17122608)	
3603597.5	25.46100 (16012807)	27.96953 (16012807)	30.86178
(15011603)	36.61082 (17122908)	46.74815 (17122908)	
3603347.5	24.23269 (17021402)	27.30308 (17011719)	30.87616
(15012720)	36.88395 (16021602)	42.67602 (16021602)	
3603097.5	22.79419 (16012803)	26.73075 (16011702)	30.05685
(17120906)	36.04813 (15011506)	42.62292 (16021406)	
3602847.5	22.64664 (15011506)	29.44842 (15092907)	32.39238
(15092907)	34.62144 (17122824)	41.56903 (17121308)	
3602597.5	25.61318 (15092907)	25.70143 (17010708)	32.42409
(17092807)	37.37794 (15092707)	50.68223 (15092707)	
3602347.5	28.13514 (17092807)	29.63130 (15092707)	39.90823
(15092707)	40.05295 (15092707)	25.88962 (15092707)	
3602097.5	32.23596 (15092707)	34.95536 (15092707)	28.65628
(15092707)	18.47809 (17122302)	20.23256 (15121422)	
3601847.5	27.69335 (15092707)	18.95132 (15092707)	15.52517
(15022607)	17.08534 (15121422)	18.37050 (16020405)	
3601597.5	12.55665 (17122302)	13.21790 (15012201)	14.55550
(17012504)	15.80880 (16020405)	16.50081 (17121505)	
3601347.5	11.69428 (15012201)	12.58709 (17012504)	13.60128
(16020405)	14.23248 (17121505)	15.18121 (16121724)	
3601097.5	11.36523 (17021905)	12.01360 (16020405)	12.71000
(17121505)	13.50624 (15120324)	14.09933 (16022007)	

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*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC4
INCLUDING SOURCE(S): SC4
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS) 507118.86
507368.86	507618.86		
3606097.5	49.25428 (16120208)	35.98287 (15121708)	58.12115
(17021308)	73.58682 (15021508)	68.40639 (17010724)	
3605847.5	45.53763 (16120208)	54.68248 (16120208)	48.36873
(16010908)	78.96069 (15021508)	74.44534 (15121303)	
3605597.5	36.97529 (17020202)	51.61348 (16120208)	56.74798
(16120208)	88.98488 (17011603)	95.02503 (15021508)	
3605347.5	43.86709 (15121803)	47.00405 (17020108)	57.54423
(16120208)	62.85453 (15121708)	64.22311 (17021308)	
3605097.5	52.22151 (17020308)	56.93178 (15120308)	69.63209
(17020108)	79.95696 (16120208)	84.78488 (15121708)	
3604847.5	49.82116 (16020408)	68.07273 (16012908)	78.76636
(15021008)	105.59645 (17020108)	131.18477 (16120208)	
3604597.5	50.42599 (15011608)	62.78117 (15121608)	78.47747
(16020408)	117.50701 (17020308)	156.00883 (17020108)	
3604347.5	50.99007 (16122808)	58.67785 (16122808)	76.63906
(17012508)	103.04184 (15012401)	143.60726 (16020408)	
3604097.5	49.20480 (16011421)	62.91779 (16011421)	81.17290
(17020524)	97.92236 (15020702)	144.40817 (16122808)	
3603847.5	52.82044 (17122608)	64.55327 (17122608)	79.98778
(17122608)	106.76624 (17122608)	152.02370 (17122608)	
3603597.5	53.52701 (17122908)	61.63348 (16010308)	76.90119
(17011719)	93.82609 (16021602)	127.61428 (17120906)	
3603347.5	51.48770 (16011702)	58.36893 (15011506)	74.27668
(16021406)	99.38560 (17010708)	111.77479 (16122619)	
3603097.5	49.68594 (17121720)	58.76960 (17010708)	66.71993
(16122619)	70.55643 (16021107)	63.85309 (15121422)	
3602847.5	49.26012 (15092707)	59.06442 (15092707)	40.91038
(17122302)	45.78832 (17012504)	50.05052 (15013101)	
3602597.5	41.02923 (15092707)	31.21729 (15022607)	36.06547
(17021905)	37.59889 (15013101)	42.13110 (16122704)	
3602347.5	24.52271 (15012201)	27.56511 (16121224)	29.80303
(15013101)	32.30251 (17022221)	34.82351 (17010503)	
3602097.5	21.70712 (16121224)	23.59350 (15013101)	25.43763
(17010801)	27.92811 (16120304)	32.41965 (16011119)	
3601847.5	19.34041 (17121505)	21.59765 (17010801)	22.50857
(17012722)	27.96498 (17040807)	28.25066 (15041007)	
3601597.5	17.85216 (17010801)	19.18073 (16122704)	20.06363
(17011624)	23.02424 (16011119)	37.76529 (17020408)	
3601347.5	16.26611 (16122704)	17.36577 (16120304)	24.17027
(17040807)	23.47809 (15041007)	43.19056 (17020408)	
3601097.5	15.13453 (17012722)	20.34509 (17040807)	18.01356
(17022603)	27.31189 (17020408)	42.37172 (17020408)	

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC4
INCLUDING SOURCE(S): SC4
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS) 508368.86
508618.86	508868.86		
3606097.5	34.65862 (17070706)	43.09695 (17022408)	20.24199
(17022408)	12.68962 (16112208)	39.40333 (17032607)	
3605847.5	79.56695 (17021508)	99.21753 (16120908)	49.18752
(17022408)	31.61630 (15111919)	88.35147 (17032607)	
3605597.5	85.70392 (17021508)	54.56655 (16021807)	58.31670
(16120106)	65.54813 (15010907)	92.55849 (17032607)	
3605347.5	58.43472 (17010208)	64.19163 (16021807)	71.48522
(17022408)	36.32479 (16091507)	115.75861 (17120924)	
3605097.5	101.10592 (15021508)	127.28869 (16012808)	41.67633
(17022408)	28.68333 (17032607)	32.31002 (17032607)	
3604847.5	173.74581 (17021401)	159.41203 (17010724)	89.15174
(17022408)	46.97116 (17032607)	16.12251 (17032607)	
3604597.5	187.46802 (15120408)	176.72262 (15021508)	68.83755
(15092607)	92.72972 (17032607)	39.47022 (16111708)	
3604347.5	217.68206 (15021008)	318.79123 (15123008)	225.43873
(17021508)	224.52658 (17032607)	61.37126 (15022723)	
3604097.5	234.83482 (15011608)	424.19840 (16012908)	849.68950
(15121708)	1029.35421 (16120120)	358.64773 (17120708)	
3603847.5	242.92654 (17122608)	407.77660 (17122608)	1189.58461
(17122608)	4337.64172 (17022520)	330.65765 (15012017)	
3603597.5	201.86990 (17121720)	297.56872 (16021107)	385.32698
(17012722)	338.97018 (17062006)	213.78753 (16013009)	
3603347.5	103.54632 (16011206)	133.04352 (17010801)	217.22681
(16010102)	310.52652 (17122218)	98.24419 (16022919)	
3603097.5	76.95262 (15120324)	100.31512 (17022103)	124.57879
(15012823)	182.71934 (16022219)	168.24334 (16121220)	
3602847.5	59.57666 (16120304)	76.41632 (17020408)	80.95949
(15022601)	99.19189 (16022219)	96.22033 (15021419)	
3602597.5	51.79154 (17022103)	81.00475 (17020408)	61.95368
(17122005)	73.06734 (17122205)	70.00372 (16122021)	
3602347.5	42.03289 (16021904)	60.91964 (17020408)	48.00384
(16122020)	57.19823 (17122205)	55.54305 (15020321)	
3602097.5	55.04368 (17020408)	38.96651 (17020408)	38.27188
(16022802)	45.62938 (17121519)	44.84095 (17121306)	
3601847.5	54.85758 (17020408)	30.96412 (17122619)	31.92695
(16012923)	37.87023 (17121519)	37.38515 (15021622)	
3601597.5	45.60914 (17020408)	26.48683 (16011319)	26.98608
(16012923)	32.16679 (17121519)	32.24076 (16112308)	
3601347.5	34.35998 (17020408)	23.01899 (15022601)	23.69400
(17010402)	27.82353 (15121123)	30.42534 (16112308)	
3601097.5	23.80377 (17020408)	20.74810 (16010118)	21.13841
(17010402)	24.57344 (15121123)	27.80893 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC4
INCLUDING SOURCE(S): SC4
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
** CONC OF TAC IN MICROGRAMS/M**3
**

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS) 509618.86
509868.86	510118.86		
3606097.5	16.46014 (17032607)	12.31832 (15121322)	10.28216
(16111708)	7.75579 (17020109)	5.53877 (17020109)	
3605847.5	11.88683 (16010705)	63.77066 (15122821)	15.66688
(16083007)	7.23882 (17020109)	8.65369 (16092207)	
3605597.5	65.21970 (15021924)	59.14814 (15080402)	30.26464
(16101307)	17.85620 (16092207)	10.62457 (17121809)	
3605347.5	86.40117 (15033023)	76.14888 (15072101)	78.63707
(17022521)	18.27200 (16092207)	9.93886 (17121809)	
3605097.5	26.36444 (16083007)	12.14014 (15022224)	23.06473
(16092207)	47.34989 (17090523)	13.26842 (15110508)	
3604847.5	16.42571 (16111708)	16.50382 (16092207)	13.08735
(17121809)	11.72871 (15022724)	15.12001 (15022818)	
3604597.5	24.36726 (16092207)	15.69676 (17121809)	11.23624
(15082707)	16.13050 (17032608)	21.00283 (17032608)	
3604347.5	34.34839 (15082707)	31.96120 (15022818)	41.23536
(17032608)	51.95286 (16040707)	39.89138 (16040707)	
3604097.5	159.41003 (16040707)	65.63087 (16040707)	23.98647
(17032307)	19.08970 (17082707)	18.05360 (16090707)	
3603847.5	153.01634 (15012017)	80.06394 (15012017)	33.71859
(17030408)	23.99187 (15062407)	21.09366 (15062407)	
3603597.5	95.27811 (15022408)	45.80645 (15122117)	37.24021
(17122709)	29.65669 (15020117)	21.14494 (15061907)	
3603347.5	97.20294 (16013009)	64.47508 (16040807)	128.38647
(16100807)	40.54624 (15022408)	70.65217 (15012119)	
3603097.5	52.93759 (17020419)	221.36385 (17040307)	122.92188
(17022804)	138.62371 (17011308)	134.38231 (16121122)	
3602847.5	184.61966 (17120621)	94.22867 (16121022)	81.35823
(16121120)	91.57415 (16121203)	74.30510 (17121101)	
3602597.5	68.86696 (17010406)	84.80676 (15020908)	71.43731
(16010421)	67.37847 (16121120)	67.55472 (16122817)	
3602347.5	52.92961 (15011507)	58.73603 (17120621)	68.43886
(17021408)	53.65629 (16010601)	50.73590 (16121120)	
3602097.5	43.33849 (15021419)	41.34209 (17010406)	53.42711
(17120621)	49.16139 (17021408)	85.32193 (15011201)	
3601847.5	37.06965 (17011319)	35.79180 (15022808)	36.57371
(17120621)	44.39419 (15020908)	41.14923 (16121022)	
3601597.5	31.68954 (16122021)	38.30378 (15022808)	28.41527
(17010406)	36.87208 (17120621)	38.22474 (17021408)	
3601347.5	28.47912 (17031208)	30.95241 (15022808)	25.05179
(16121220)	25.58385 (16121008)	32.87375 (15020908)	
3601097.5	24.77941 (17031208)	23.84933 (16022321)	29.59652
(15022808)	21.85502 (16092807)	27.20086 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC4
INCLUDING SOURCE(S): SC4
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
** CONC OF TAC IN MICROGRAMS/M**3
**

Otay Hills Quarry AERMOD Output File (HRA)

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS) 510868.86
511118.86			
3606097.5	8.04823 (16092207)	8.83210 (17121809)	7.40331
(17121809)	5.99526 (17032908)		
3605847.5	9.64889 (17121809)	8.08019 (17121809)	6.60259
(17032908)	6.50864 (15082707)		
3605597.5	8.90566 (17121809)	7.29316 (17032908)	6.93317
(15082707)	4.88996 (15082707)		
3605347.5	8.06357 (17032908)	7.12709 (15082707)	4.22044
(15082707)	6.51302 (17122309)		
3605097.5	6.87563 (15082707)	6.79966 (17122309)	10.33366
(17122309)	11.82231 (17122309)		
3604847.5	13.89445 (17032608)	13.99606 (17122309)	23.58113
(16040707)	30.32971 (16040707)		
3604597.5	34.97303 (16040707)	37.80703 (16040707)	29.92629
(16040707)	19.42839 (16040707)		
3604347.5	21.98480 (16040707)	11.03549 (17082707)	11.60207
(17082707)	11.47613 (17082707)		
3604097.5	17.30547 (16090707)	15.92272 (16090707)	14.33905
(16090707)	12.77034 (16090707)		
3603847.5	18.89320 (15062407)	17.15649 (15062407)	15.74523
(15062407)	14.57203 (15062407)		
3603597.5	20.72783 (15061907)	16.35540 (15061907)	13.28362
(15061907)	11.55864 (17042907)		
3603347.5	33.01259 (15091922)	13.51427 (17082908)	8.60188
(17122709)	6.49650 (17122709)		
3603097.5	38.42312 (15022408)	21.49965 (15022408)	11.44826
(17122709)	10.76775 (17122709)		
3602847.5	97.99702 (15121020)	38.41244 (16040807)	33.95017
(15022408)	24.09852 (15022408)		
3602597.5	60.60739 (17062906)	29.72485 (16040807)	40.07288
(16040807)	32.63230 (16040807)		
3602347.5	55.45874 (15013018)	66.09930 (17010220)	34.74810
(16071324)	59.00674 (16040807)		
3602097.5	91.05706 (17040307)	38.70202 (17122124)	39.23008
(16121203)	36.12688 (17022804)		
3601847.5	69.76914 (16010601)	33.81216 (17122518)	31.08510
(17122124)	30.12503 (16122817)		
3601597.5	35.14851 (16121022)	30.63249 (17011224)	30.17189
(17122518)	25.59179 (17122124)		
3601347.5	31.62605 (17021408)	24.48533 (16010421)	25.83417
(17011224)	24.81491 (17122518)		
3601097.5	27.74378 (15020908)	25.11454 (17021408)	22.15052
(16010421)	23.56045 (17011224)		
*** AERMOD - VERSION 18081 ***	*** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***	05/16/19	
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SC4

INCLUDING SOURCE(S): SC4 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	596.73450 (17012508)	
507708.67	3603932.32	171.41244 (17011708)	
	506203.59	3603369.23	38.77026 (16021602)
507919.87	3604794.52	157.48934 (15122808)	
	507037.89	3604916.08	72.38669 (15021008)
*** AERMOD - VERSION 18081 ***	*** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***	05/16/19	
*** AERMET - VERSION 18081 ***	***		
***	16:35:25		
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*			
	*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION		
VALUES FOR SOURCE GROUP: SC5	***		
	INCLUDING SOURCE(S): SC5 ,		
	*** NETWORK ID: UCART1 ; NETWORK TYPE:		
GRIDCART ***			
	** CONC OF TAC IN MICROGRAMS/M**3		
**			
Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)
504868.86	505118.86		504618.86
3606097.5	13.64078 (15010408)	14.22147 (16020408)	16.57297
(16120805)	19.85986 (16012908)	21.06619 (17020308)	
3605847.5	17.12403 (15040607)	16.67652 (15040607)	16.35362
(15010408)	17.57149 (15011008)	21.59599 (16012908)	
3605597.5	15.67045 (15040607)	18.33814 (15040607)	20.78116
(15040607)	21.17451 (15040607)	21.60863 (15010408)	
3605347.5	15.94729 (17012508)	15.58098 (15012821)	16.99591
(15011608)	19.50202 (15040607)	24.19616 (15040607)	
3605097.5	17.62103 (16021108)	17.33700 (16122808)	18.68884
(17012508)	19.58479 (17012508)	20.55244 (15011608)	
3604847.5	21.38611 (15040307)	23.17071 (15040307)	23.24306
(15040307)	22.25691 (15040307)	24.12196 (16122808)	
3604597.5	18.31417 (17092707)	19.85784 (17092707)	21.15342
(17092707)	22.31602 (17092707)	27.15599 (15040307)	
3604347.5	20.21310 (16040507)	21.03906 (16040507)	21.99141
(16040507)	22.87208 (16040507)	24.33253 (16011421)	
3604097.5	16.11361 (17121406)	18.10262 (17011708)	19.72690
(17011708)	21.96529 (17011708)	24.83311 (17011708)	
3603847.5	20.55367 (17021608)	21.94339 (17021608)	24.03920
(17021608)	25.22029 (17021608)	27.51113 (17021608)	
3603597.5	15.08956 (15021102)	16.41257 (15021102)	18.48317
(15021102)	20.40906 (16012807)	22.24448 (16012807)	
3603347.5	15.38704 (17122908)	16.80546 (17122908)	18.30335
(16010308)	19.88154 (16010308)	21.62906 (17021402)	
3603097.5	14.73371 (17011719)	15.96120 (15012720)	17.28829
(15012720)	19.90902 (16021602)	20.57806 (16021602)	
3602847.5	14.00695 (16012803)	15.49743 (16012803)	17.36934
(16011702)	18.87102 (17120906)	20.55909 (15011506)	
3602597.5	14.20758 (17120906)	15.81058 (15092907)	20.53662
(15092907)	24.14920 (15092907)	25.51066 (15092907)	
3602347.5	20.00847 (15092907)	21.46163 (15092907)	20.77342
(15092907)	17.66739 (15092907)	23.26117 (17092807)	

Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	16.92295 (15092907)	15.76895 (17092807)	21.07201
(17092807)	24.19284 (17092807)	25.94018 (15092707)	
3601847.5	19.28627 (17092807)	21.57384 (17092807)	21.66649
(15092707)	27.79504 (15092707)	30.05417 (15092707)	
3601597.5	18.82666 (15092707)	24.23327 (15092707)	26.73767
(15092707)	24.69448 (15092707)	18.16857 (15092707)	
3601347.5	24.27315 (15092707)	23.67154 (15092707)	19.28370
(15092707)	12.65692 (15092707)	10.77249 (17122105)	
3601097.5	19.69837 (15092707)	14.46995 (15092707)	9.24208
(17122302)	9.76854 (15022607)	10.54365 (15121422)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC5
 INCLUDING SOURCE(S): SC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		

3606097.5	27.11920 (17040507)	29.97304 (17040507)	27.32553
(17020108)	26.61620 (17020202)	37.31810 (16120208)	
3605847.5	25.19337 (17020308)	25.76218 (17040507)	34.02745
(17040507)	30.16405 (17020108)	31.51927 (17020108)	
3605597.5	23.14525 (15011008)	28.94295 (16012908)	33.12502
(17020308)	37.00568 (17040507)	33.99410 (15013124)	
3605347.5	25.11994 (15040607)	27.37035 (15010408)	30.65117
(15011008)	39.07383 (16012908)	40.63641 (17020308)	
3605097.5	22.70714 (15011608)	28.64015 (15040607)	31.46820
(15121608)	36.09357 (15010408)	41.24409 (16011506)	
3604847.5	23.19351 (17012508)	27.05952 (17012508)	31.31944
(15011608)	34.63641 (17121424)	41.14771 (15121608)	
3604597.5	27.91021 (15040307)	30.14866 (15040307)	31.44764
(16122808)	35.14288 (16122808)	42.95976 (17012508)	
3604347.5	27.99407 (16011421)	31.77113 (15122708)	34.34856
(17020524)	34.71301 (16020401)	41.51989 (15020702)	
3604097.5	28.39522 (17011708)	34.73024 (17011708)	38.56636
(17011708)	38.40972 (17011708)	42.27659 (17011708)	
3603847.5	30.15751 (17122608)	33.09850 (17122608)	35.02924
(17122608)	40.20884 (17122608)	45.24568 (17122608)	
3603597.5	25.31575 (16012807)	27.84024 (15011603)	31.61060
(17122908)	37.10861 (17122908)	45.78343 (17122908)	
3603347.5	24.09338 (17011719)	26.90159 (15012720)	30.46286
(15012720)	36.13253 (16021602)	42.32814 (16012803)	
3603097.5	22.86760 (16012803)	26.64758 (16011702)	29.57040
(17120906)	35.29194 (17122623)	41.37242 (16121801)	
3602847.5	24.55030 (15092907)	30.23501 (15092907)	30.79763
(15092907)	34.45250 (17010708)	42.20072 (17121308)	
3602597.5	23.49503 (15092907)	26.28671 (17092807)	32.98903
(17092807)	40.43543 (15092707)	49.49638 (15092707)	
3602347.5	28.38729 (17092807)	32.12095 (15092707)	40.06537
(15092707)	36.75981 (15092707)	22.10589 (17122302)	

3602097.5	32.90986 (15092707)	33.29005 (15092707)	25.21182
(15092707)	18.06948 (17122105)	19.82924 (15121422)	
3601847.5	25.37729 (15092707)	16.20068 (15092707)	15.28374
(15022607)	16.88812 (17012504)	18.11449 (16020405)	
3601597.5	12.24975 (17122302)	13.10363 (15012201)	14.25627
(17012504)	15.53627 (16020405)	16.23029 (15013101)	
3601347.5	11.66758 (15121422)	12.47614 (17021905)	13.33738
(16020405)	13.91740 (15013101)	14.97505 (17010801)	
3601097.5	11.20369 (17021905)	11.76050 (16020405)	12.35247
(15013101)	13.21197 (16121724)	13.91876 (16022007)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC5
 INCLUDING SOURCE(S): SC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	51.03139 (16120208)	37.59123 (15121708)	52.31009
(17021308)	75.46938 (15021508)	69.58436 (17010724)	
3605847.5	42.20318 (16120208)	57.76191 (16120208)	48.73487
(16010908)	80.45187 (15120107)	73.04386 (16040801)	
3605597.5	39.52914 (17020108)	47.81426 (16120208)	61.69786
(16120208)	87.74574 (17021107)	97.84006 (15021508)	
3605347.5	44.13439 (16011607)	50.33900 (17020108)	53.35909
(16120208)	62.13991 (16120708)	64.80265 (15122808)	
3605097.5	53.24668 (17020308)	58.07503 (15021008)	71.73179
(17020108)	74.06400 (16120208)	89.03043 (15121708)	
3604847.5	50.17351 (15010408)	64.63278 (16012908)	79.64889
(17020308)	103.34879 (17020108)	124.90810 (15121208)	
3604597.5	51.88710 (15011608)	60.48011 (15012401)	79.13620
(15010408)	116.68273 (16012908)	147.56874 (16011607)	
3604347.5	49.54753 (16011108)	61.17942 (16122808)	78.02250
(17012508)	104.85368 (15011608)	146.08740 (15010408)	
3604097.5	49.67152 (16120722)	61.60529 (16120722)	80.60837
(16011421)	98.04555 (17020524)	135.85890 (17013020)	
3603847.5	50.71306 (17122608)	61.40884 (17122608)	75.27785
(17122608)	98.35933 (17122608)	135.39794 (17122608)	
3603597.5	51.49048 (16010308)	59.82522 (17011719)	75.17184
(16021602)	90.43970 (16012803)	124.50303 (15011506)	
3603347.5	51.10697 (17120906)	56.88077 (17122623)	72.55754
(17121720)	97.93285 (17121308)	108.02040 (16021107)	
3603097.5	48.68448 (17122824)	58.42099 (17121308)	66.56290
(15092707)	59.18029 (16021107)	61.40809 (17012504)	
3602847.5	52.97997 (15092707)	55.04930 (15092707)	39.25850
(16011206)	44.34430 (17021905)	48.76277 (15120324)	
3602597.5	35.52282 (15092707)	30.41622 (15022607)	35.12768
(16121224)	36.75681 (15120324)	40.35677 (17012722)	
3602347.5	24.35235 (15121422)	26.85075 (16121224)	29.22537
(15013101)	31.73413 (16122704)	34.27202 (17022103)	

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 21.30094 (16020405) 23.33168 (15013101) 24.65127
(16021923) 27.10104 (17011624) 31.43029 (16011119)
3601847.5 | 19.13260 (15013101) 21.05120 (17010801) 22.13119
(17012722) 27.84745 (17040807) 28.05574 (15041007)
3601597.5 | 17.64326 (17010801) 18.64935 (16122704) 21.10124
(17040807) 22.43727 (17022603) 38.48120 (17020408)
3601347.5 | 16.09484 (16122704) 16.96165 (16120304) 23.61705
(17040807) 23.44892 (15041007) 43.08149 (17020408)
3601097.5 | 14.84468 (17012722) 20.82913 (17040807) 17.74111
(17022603) 28.05326 (17020408) 41.67776 (17020408)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC5
*** INCLUDING SOURCE(S): SC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 507868.86 508118.86 508368.86
508618.86 508868.86
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3606097.5 | 36.53010 (17070706) 41.54897 (17022408) 21.35436
(17022408) 13.14400 (16112208) 40.01115 (17032607)
3605847.5 | 82.76958 (17021508) 104.32874 (16120908) 51.71370
(17022408) 33.62602 (15111919) 89.68296 (17032607)
3605597.5 | 82.17055 (17021508) 58.12904 (16021807) 60.39916
(16120106) 67.89015 (15010907) 93.68076 (17032607)
3605347.5 | 64.78977 (15021508) 67.57696 (17021508) 73.90520
(17022408) 36.54920 (16091507) 123.37876 (17120924)
3605097.5 | 101.27021 (15021508) 133.85308 (16012808) 42.19667
(17022408) 28.96254 (17032607) 31.64938 (17032607)
3604847.5 | 188.01264 (16010908) 169.25651 (15121303) 86.24691
(17022408) 48.78868 (17032607) 16.54802 (15022208)
3604597.5 | 190.92779 (15121208) 165.02098 (15021508) 68.92452
(15013009) 101.01092 (17032607) 44.51553 (16111708)
3604347.5 | 229.92744 (17020308) 329.41912 (15120408) 247.31867
(16011719) 260.26926 (17032607) 70.74618 (15022723)
3604097.5 | 235.05035 (17012508) 389.30980 (15121608) 904.05411
(15120408) 1335.06330 (16120120) 371.61500 (15051906)
3603847.5 | 210.25643 (15021102) 367.67437 (17122908) 1008.86354
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3603597.5 | 196.27619 (17010708) 237.84896 (16021107) 335.09458
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3603347.5 | 99.31266 (15121422) 122.72082 (17010801) 197.17042
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3603097.5 | 72.85428 (17010801) 95.17684 (17022103) 115.40237
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3602847.5 | 57.03118 (17011624) 78.47506 (17020408) 76.67307
(15022601) 93.83141 (17122205) 91.08692 (16022321)
3602597.5 | 49.96724 (16011119) 78.78253 (17020408) 59.20879
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3602347.5 | 43.47324 (17020408) 58.03636 (17020408) 46.20046
(16122020) 54.81687 (17122205) 53.44092 (16121418)

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3602097.5 | 55.22680 (17020408) 36.87984 (17020408) 37.03266
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3601847.5 | 53.76129 (17020408) 30.10825 (17122619) 30.99834
(16012923) 36.76033 (17121519) 36.29208 (15021622)
3601597.5 | 44.12901 (17020408) 25.79503 (16011319) 26.30328
(16012923) 31.37882 (15121123) 32.04399 (16112308)
3601347.5 | 33.01736 (17020408) 22.48377 (16010118) 23.12194
(17010402) 27.26241 (15121123) 30.00994 (16112308)
3601097.5 | 22.80719 (17020408) 20.28941 (16010118) 20.67447
(17010402) 24.09813 (15121123) 27.29036 (16112308)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC5
*** INCLUDING SOURCE(S): SC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 509118.86 509368.86 509618.86
509868.86 510118.86
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3606097.5 | 16.09747 (17032607) 12.47098 (16083007) 10.30869
(16111708) 7.80252 (17020109) 5.43426 (16092207)
3605847.5 | 12.25769 (16010705) 64.96420 (15122821) 15.28535
(16083007) 7.47274 (15022224) 8.91229 (16092207)
3605597.5 | 68.33172 (15021924) 63.36512 (15052306) 34.92301
(16101307) 19.03562 (16092207) 10.87693 (17121809)
3605347.5 | 89.58922 (15033023) 86.48114 (17032207) 79.89857
(17022521) 16.80711 (16092207) 9.41914 (17121809)
3605097.5 | 27.02040 (16083007) 12.94128 (15022224) 21.72103
(16092207) 49.87080 (15090405) 13.81028 (15110508)
3604847.5 | 15.21691 (16111708) 16.44155 (16092207) 12.10641
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3604597.5 | 27.17503 (16092207) 14.28657 (17032908) 9.95517
(15082707) 21.26565 (17032608) 27.36142 (16040707)
3604347.5 | 38.63392 (15082707) 28.83952 (17032608) 48.69383
(16040707) 51.97232 (16040707) 32.20761 (16040707)
3604097.5 | 195.20242 (16040707) 45.58667 (17082707) 25.91241
(16020417) 21.45539 (17091207) 19.47483 (16090707)
3603847.5 | 150.91239 (17012817) 67.83267 (15012317) 32.65519
(15012317) 23.93292 (15062407) 22.06885 (17042907)
3603597.5 | 113.72843 (16040807) 53.54933 (15022408) 40.93833
(17122709) 27.77173 (16121017) 22.79955 (15020117)
3603347.5 | 64.79894 (16013009) 57.53509 (16041107) 141.67323
(16040807) 49.48357 (15022408) 78.73293 (15012119)
3603097.5 | 53.52246 (16021820) 197.23231 (17040307) 122.64942
(16121203) 145.44224 (17011308) 130.15006 (16121122)
3602847.5 | 126.93564 (17120621) 93.78480 (16121022) 82.84468
(17122518) 90.18507 (16122817) 71.00321 (17022804)
3602597.5 | 67.66845 (16121220) 80.91215 (15020908) 67.03751
(15021604) 68.17749 (17122518) 65.31161 (15013018)
3602347.5 | 51.53271 (15022808) 51.52534 (17120621) 66.47295
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Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 41.82063 (15021419) 39.90450 (17010406) 52.06094
(17120621) 50.70075 (17021408) 80.31533 (15011201)
3601847.5 | 36.01356 (15011921) 37.65259 (15022808) 34.33702
(16121008) 43.53573 (15020908) 39.77420 (16121022)
3601597.5 | 30.89793 (16122021) 37.40557 (15022808) 27.86132
(17010406) 35.10643 (17120621) 37.01812 (17021408)
3601347.5 | 27.85172 (17031208) 28.72131 (15022808) 24.96871
(15022808) 24.81107 (16121008) 31.18437 (17120621)
3601097.5 | 23.89472 (16121418) 23.48817 (17011319) 30.13197
(15022808) 21.25697 (17010406) 25.57352 (17120621)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC5
*** INCLUDING SOURCE(S): SC5 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) | 510368.86 510618.86 510868.86
511118.86
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3606097.5 | 8.07308 (16092207) 8.92510 (17121809) 7.12092
(17121809) 6.12477 (17032908)
3605847.5 | 9.80356 (17121809) 7.74391 (17121809) 6.70379
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3605597.5 | 8.49473 (17121809) 7.33978 (17032908) 6.75614
(15082707) 4.43455 (15082707)
3605347.5 | 8.25447 (15082707) 6.72057 (15082707) 4.39395
(17122309) 7.51445 (17122309)
3605097.5 | 7.28417 (16042804) 8.12982 (17122309) 11.34208
(17122309) 12.08096 (17122309)
3604847.5 | 16.84342 (17032608) 17.12418 (16040707) 27.97305
(16040707) 31.93888 (16040707)
3604597.5 | 39.53182 (16040707) 36.53949 (16040707) 25.68944
(16040707) 15.23334 (16040707)
3604347.5 | 15.38678 (16040707) 12.36828 (17082707) 12.33146
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3604097.5 | 17.45232 (16090707) 15.33356 (16090707) 13.36317
(16090707) 11.61995 (16090707)
3603847.5 | 19.74385 (17042907) 17.48886 (15062407) 16.09769
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3603597.5 | 18.52869 (15061907) 15.73539 (15061907) 13.48538
(15061907) 11.34729 (15061907)
3603347.5 | 34.65406 (15091922) 13.61227 (16011417) 9.69605
(17122709) 7.53596 (17122709)
3603097.5 | 41.04278 (15022408) 27.85094 (15022408) 13.27209
(15022408) 10.80371 (17122709)
3602847.5 | 96.99563 (17011308) 42.57502 (16040807) 34.13651
(15022408) 28.03943 (15022408)
3602597.5 | 62.51139 (16010101) 23.39672 (16040807) 37.87006
(16040807) 35.79921 (16040807)
3602347.5 | 53.82895 (17122124) 70.09819 (17010220) 34.48595
(16071324) 54.62870 (17011308)

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3602097.5 | 82.48279 (17040307) 38.60193 (17122124) 38.65683
(16122817) 36.23174 (17022804)
3601847.5 | 67.42589 (16010601) 34.08510 (17122518) 30.37850
(17122124) 29.35155 (16122817)
3601597.5 | 35.27883 (16121022) 30.05535 (16010601) 30.31970
(17122518) 24.65833 (17122124)
3601347.5 | 31.79303 (17021408) 25.15908 (16121022) 25.17252
(16010601) 24.92402 (17122518)
3601097.5 | 27.53258 (15020908) 25.96369 (17021408) 20.94697
(16010421) 23.02977 (17011224)

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Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC5
*** INCLUDING SOURCE(S): SC5 ,
*** DISCRETE CARTESIAN RECEPTOR
POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD
(M) Y-COORD (M) CONC (YYMMDDHH)
-----
508226.78 3603955.63 565.17110 (16020401)
507708.67 3603932.32 169.95027 (17011708)
506203.59 3603369.23 38.09853 (16021602)
507919.87 3604794.52 168.49362 (15011206)
507037.89 3604916.08 71.28576 (17010508)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC6
*** INCLUDING SOURCE(S): SC6 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) | 504118.86 504368.86 504618.86
504868.86 505118.86
-----
3606097.5 | 13.64788 (15010408) 14.24343 (16020408) 16.50232
(16120805) 19.82832 (16012908) 21.10686 (17020308)
3605847.5 | 17.14146 (15040607) 16.74438 (15040607) 16.35924
(15010408) 17.59626 (16020408) 21.42937 (16012908)

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Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	15.58583 (15040607)	18.28460 (15040607)	20.78031
(15040607)	21.24753 (15040607)	21.60023 (15010408)	
3605347.5	15.92861 (17012508)	15.59382 (17012508)	16.99238
(15011608)	19.41170 (15040607)	24.16221 (15040607)	
3605097.5	17.73107 (16021108)	17.35769 (16122808)	18.59854
(17012508)	19.56281 (17012508)	20.46915 (15011608)	
3604847.5	21.28813 (15040307)	23.12671 (15040307)	23.27544
(15040307)	22.37563 (15040307)	24.10729 (16122808)	
3604597.5	18.22883 (17092707)	19.80052 (17092707)	21.13721
(17092707)	22.35527 (17092707)	26.94523 (15040307)	
3604347.5	20.17833 (16040507)	21.02632 (16040507)	22.00672
(16040507)	22.92365 (16040507)	24.24110 (16011421)	
3604097.5	16.07056 (17121406)	18.05143 (17121406)	19.64163
(17011708)	21.87628 (17011708)	24.73951 (17011708)	
3603847.5	20.55559 (17021608)	21.94162 (17021608)	24.03103
(17021608)	25.20734 (17021608)	27.48855 (17021608)	
3603597.5	15.06683 (15021102)	16.37935 (15021102)	18.43217
(15021102)	20.37743 (16012807)	22.19413 (16012807)	
3603347.5	15.35855 (17122908)	16.76225 (17122908)	18.26653
(16010308)	19.82543 (16010308)	21.57696 (17021402)	
3603097.5	14.70347 (17011719)	15.93501 (15012720)	17.24404
(15012720)	19.85791 (16021602)	20.50425 (16021602)	
3602847.5	13.99145 (16012803)	15.46684 (16012803)	17.33389
(16011702)	18.83193 (17120906)	20.51280 (15011506)	
3602597.5	14.17820 (17120906)	15.82690 (15092907)	20.53678
(15092907)	24.12537 (15092907)	25.46091 (15092907)	
3602347.5	19.99483 (15092907)	21.43075 (15092907)	20.72889
(15092907)	17.61894 (15092907)	23.23636 (17092807)	
3602097.5	16.88520 (15092907)	15.76164 (17092807)	21.05061
(17092807)	24.15953 (17092807)	25.89524 (15092707)	
3601847.5	19.26759 (17092807)	21.54690 (17092807)	21.63382
(15092707)	27.75233 (15092707)	30.01594 (15092707)	
3601597.5	18.80062 (15092707)	24.19861 (15092707)	26.70471
(15092707)	24.67649 (15092707)	18.17254 (15092707)	
3601347.5	24.24344 (15092707)	23.65095 (15092707)	19.27961
(15092707)	12.66754 (15092707)	10.75398 (17122105)	
3601097.5	19.68881 (15092707)	14.47389 (15092707)	9.22664
(17122302)	9.75062 (15022607)	10.52377 (15121422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC6 ***
 INCLUDING SOURCE(S): SC6 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		

3606097.5	26.90453 (17040507)	30.07917 (17040507)	27.20828
(17020108)	26.60875 (17020202)	36.80973 (16120208)	
3605847.5	25.09977 (17020308)	25.41094 (17040507)	33.98781
(17040507)	29.93770 (17020108)	31.78099 (17020108)	

3605597.5	23.02162 (15011008)	28.76514 (16012908)	33.11724
(17020308)	36.73128 (17040507)	33.93394 (15013124)	
3605347.5	25.18980 (15040607)	27.35017 (15010408)	30.50523
(15011008)	38.94571 (16012908)	40.88166 (17020308)	
3605097.5	22.73603 (15011608)	28.54154 (15040607)	31.28883
(15121608)	36.04841 (15010408)	40.89264 (16011506)	
3604847.5	23.05474 (17012508)	27.01394 (17012508)	31.18642
(15011608)	34.60316 (17121424)	40.78625 (15121608)	
3604597.5	27.80232 (15040307)	30.17053 (15040307)	31.35358
(16122808)	35.20487 (16122808)	42.81725 (17012508)	
3604347.5	27.92935 (16011421)	31.65760 (15122708)	34.20201
(17020524)	34.58079 (16020401)	41.35800 (15020702)	
3604097.5	28.29810 (17011708)	34.62375 (17011708)	38.47754
(17011708)	38.38758 (17011708)	42.32817 (17011708)	
3603847.5	30.05520 (17021608)	32.93282 (17122608)	34.84642
(17122608)	39.97482 (17122608)	44.95966 (17122608)	
3603597.5	25.23249 (16012807)	27.77560 (15011603)	31.55839
(17122908)	36.99427 (17122908)	45.54855 (17122908)	
3603347.5	24.04210 (17011719)	26.84619 (15012720)	30.35129
(15012720)	35.97726 (16021602)	42.16529 (16012803)	
3603097.5	22.81083 (16012803)	26.56782 (16011702)	29.47272
(15011506)	35.16817 (17122623)	41.21477 (16121801)	
3602847.5	24.54958 (15092907)	30.19073 (15092907)	30.71350
(15092907)	34.34572 (17010708)	42.04428 (17121308)	
3602597.5	23.42871 (15092907)	26.25661 (17092807)	32.92844
(17092807)	40.33646 (15092707)	49.38524 (15092707)	
3602347.5	28.34136 (17092807)	32.05480 (15092707)	39.98646
(15092707)	36.71944 (15092707)	22.04036 (17122302)	
3602097.5	32.85334 (15092707)	33.24907 (15092707)	25.21047
(15092707)	18.02415 (17122105)	19.77817 (15121422)	
3601847.5	25.36480 (15092707)	16.21550 (15092707)	15.24792
(15022607)	16.84414 (17012504)	18.06718 (16020405)	
3601597.5	12.22768 (17122302)	13.07422 (15012201)	14.22858
(17012504)	15.50254 (16020405)	16.17722 (15013101)	
3601347.5	11.64007 (15121422)	12.44826 (17021905)	13.31334
(16020405)	13.87312 (15013101)	14.92582 (17010801)	
3601097.5	11.18322 (17021905)	11.74249 (16020405)	12.31383
(15013101)	13.18148 (16121724)	13.88686 (16022007)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC6 ***
 INCLUDING SOURCE(S): SC6 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	51.14634 (16120208)	37.67981 (15121708)	51.05116
(17021308)	75.55641 (15021508)	69.38890 (17010724)	
3605847.5	41.60313 (16120208)	58.03625 (16120208)	48.52662
(16010908)	80.60524 (15120107)	73.18396 (16040801)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	39.77268 (17020108)	47.10304 (16120208)	62.23067
(16120208)	88.21240 (16010908)	97.88770 (15021508)	
3605347.5	44.02517 (17040507)	50.48796 (17020108)	52.52847
(16120208)	61.59747 (16120708)	65.35390 (15122808)	
3605097.5	53.06071 (17020308)	58.07605 (15021008)	71.49196
(17020108)	72.80509 (16120208)	88.89785 (15121708)	
3604847.5	50.07077 (15010408)	63.82420 (16012908)	80.11634
(17020308)	102.09710 (17020108)	124.02544 (15121208)	
3604597.5	51.70468 (15011608)	60.19583 (17012703)	78.84564
(15010408)	115.84654 (16012908)	146.86083 (16011607)	
3604347.5	49.22694 (16011108)	61.00112 (16122808)	77.53700
(17012508)	104.86470 (15011608)	145.03707 (15010408)	
3604097.5	49.51530 (16120722)	61.55848 (16120722)	80.23846
(16011421)	97.43724 (17020524)	134.62893 (15020702)	
3603847.5	50.37385 (17122608)	60.92109 (17122608)	74.56604
(17122608)	97.16509 (17122608)	133.19034 (17122608)	
3603597.5	51.21422 (16010308)	59.55913 (17011719)	74.81849
(16021602)	89.90881 (16012803)	123.50691 (15011506)	
3603347.5	50.90313 (17120906)	56.62725 (17122623)	72.17679
(17121720)	97.33235 (17121308)	107.31078 (16021107)	
3603097.5	48.47120 (17122824)	58.15772 (17121308)	66.33928
(15092707)	59.00280 (16021107)	61.06957 (17012504)	
3602847.5	52.82169 (15092707)	54.94062 (15092707)	39.08302
(16011206)	44.15143 (17021905)	48.53686 (15120324)	
3602597.5	35.51304 (15092707)	30.31141 (15022607)	34.98506
(16121224)	36.57456 (15120324)	40.10712 (17012722)	
3602347.5	24.26390 (15121422)	26.77219 (16121224)	29.12312
(15013101)	31.58486 (16122704)	33.96286 (17022103)	
3602097.5	21.23352 (16020405)	23.25155 (15013101)	24.58846
(16021923)	27.03156 (16120304)	31.36700 (16011119)	
3601847.5	19.06868 (15013101)	21.00669 (17010801)	22.06446
(17012722)	27.77653 (17040807)	27.95614 (15041007)	
3601597.5	17.59358 (17010801)	18.62265 (16122704)	20.87481
(17040807)	22.35939 (17022603)	38.02856 (17020408)	
3601347.5	16.04911 (16122704)	16.93515 (16120304)	23.63707
(17040807)	23.35274 (15041007)	42.85032 (17020408)	
3601097.5	14.81821 (17012722)	20.70120 (17040807)	17.69142
(17022603)	27.69063 (17020408)	41.67600 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC6 ***
 INCLUDING SOURCE(S): SC6 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	36.68521 (17070706)	40.73661 (17022408)	21.77230
(17022408)	13.37644 (16112208)	39.79033 (17032607)	
3605847.5	83.14843 (17021508)	105.24320 (16120908)	52.55924
(17022408)	33.89098 (15111919)	89.78952 (17032607)	

3605597.5	80.78982 (17021508)	58.68934 (16021807)	60.61801
(16120106)	68.03751 (15010907)	94.64817 (17032607)	
3605347.5	66.12339 (15021508)	69.12038 (17021508)	74.26060
(17022408)	35.65933 (16091507)	124.46085 (17120924)	
3605097.5	100.59384 (15021508)	133.18722 (16012808)	41.91661
(17022408)	28.02018 (16112208)	33.09519 (17032607)	
3604847.5	190.98409 (16120708)	168.30999 (15121303)	83.91946
(17022408)	46.50132 (17032607)	16.38798 (15022208)	
3604597.5	189.83834 (15121208)	160.35551 (15021508)	68.01613
(15013009)	97.26483 (17032607)	44.56528 (16111708)	
3604347.5	230.95315 (17020308)	323.64721 (15120408)	250.91431
(16011719)	287.98667 (17032607)	71.87362 (15022723)	
3604097.5	233.93671 (16122808)	384.72347 (15121608)	894.53552
(15120408)	1336.12352 (16120120)	380.33106 (15051906)	
3603847.5	208.25073 (15021102)	363.92181 (17122908)	979.93478
(16012803)	3682.11730 (15013018)	349.67570 (15012717)	
3603597.5	194.36499 (17010708)	235.85410 (16021107)	327.01484
(17011624)	331.71186 (16021308)	154.23383 (16013009)	
3603347.5	98.42944 (15121422)	122.03759 (17010801)	195.12715
(16010102)	276.03227 (15021621)	98.03064 (17012108)	
3603097.5	72.26043 (17010801)	94.61815 (17022103)	115.06550
(15012823)	169.98250 (16022219)	156.82810 (15011507)	
3602847.5	56.68769 (17011624)	76.97348 (17020408)	76.24218
(15022601)	93.75489 (17122205)	90.96709 (17011319)	
3602597.5	49.76043 (16011119)	78.67320 (17020408)	58.91604
(17122005)	69.54131 (17122205)	67.08277 (17123106)	
3602347.5	42.60646 (17020408)	58.65588 (17020408)	46.07355
(16122020)	54.70711 (17121519)	53.47355 (16121418)	
3602097.5	54.73039 (17020408)	37.57698 (17020408)	36.94350
(16022802)	44.11699 (17121519)	43.40852 (17121306)	
3601847.5	53.74000 (17020408)	30.02623 (17122619)	30.89816
(16012923)	36.68590 (15121123)	36.17431 (15021622)	
3601597.5	44.40810 (17020408)	25.75708 (16011319)	26.28412
(16012923)	31.40792 (15121123)	32.12088 (16112308)	
3601347.5	33.39837 (17020408)	22.44321 (15022601)	23.05977
(17010402)	27.26996 (15121123)	29.97347 (16112308)	
3601097.5	23.16344 (17020408)	20.25732 (16010118)	20.64870
(17010402)	24.09176 (15121123)	27.18379 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC6 ***
 INCLUDING SOURCE(S): SC6 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
50968.86	510118.86		

3606097.5	16.64040 (17032607)	12.35290 (15121322)	10.34630
(16111708)	7.81991 (17020109)	5.38082 (16092207)	
3605847.5	12.29362 (16010705)	65.29119 (15122821)	15.42323
(16083007)	7.48272 (15022224)	8.91413 (16092207)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	68.86743 (15021924)	63.61650 (15052306)	34.99976
(16101307)	18.98495 (16092207)	10.88677 (17121809)	
3605347.5	91.32937 (15033023)	86.77314 (17032207)	80.93460
(17022521)	16.97714 (16092207)	9.47096 (17121809)	
3605097.5	27.07436 (16083007)	12.98829 (15022224)	21.92490
(16092207)	50.19129 (15090405)	13.82726 (15110508)	
3604847.5	15.68961 (16111708)	16.59502 (16092207)	12.20168
(17121809)	11.39556 (15022724)	15.49941 (15022818)	
3604597.5	27.32592 (16092207)	14.31876 (17032908)	10.01655
(15082707)	21.38414 (17032608)	27.49545 (16040707)	
3604347.5	38.76261 (15082707)	28.95114 (17032608)	48.99153
(16040707)	52.04083 (16040707)	32.08502 (16040707)	
3604097.5	196.36404 (16040707)	46.07769 (17082707)	26.23387
(16020417)	21.62401 (17091207)	19.53682 (16090707)	
3603847.5	156.79885 (17012817)	68.02219 (15012317)	33.11616
(15012317)	23.89635 (15062407)	22.20500 (17042907)	
3603597.5	114.24649 (16040807)	55.84706 (15022408)	41.21053
(17122709)	27.52525 (16121017)	22.98345 (15020117)	
3603347.5	60.62916 (16013009)	58.72424 (16041107)	142.80197
(16040807)	50.13520 (15022408)	79.35773 (15012119)	
3603097.5	54.02410 (16021820)	193.33995 (17040307)	122.84487
(16121203)	145.57173 (17011308)	131.78519 (15121020)	
3602847.5	124.10359 (17120621)	93.60222 (17021408)	83.10275
(17122518)	90.00011 (16122817)	71.62039 (17022804)	
3602597.5	67.72251 (16121220)	80.30677 (15020908)	67.57522
(16121022)	68.29240 (17122518)	65.00314 (15013018)	
3602347.5	51.44744 (15022808)	50.30844 (17120621)	66.21173
(17021408)	51.58106 (16010421)	51.44147 (17122518)	
3602097.5	41.78017 (16022321)	39.88948 (16121220)	51.88044
(17120621)	51.01405 (17021408)	79.44789 (15011201)	
3601847.5	36.03340 (15011921)	38.13386 (15022808)	34.20231
(16121008)	43.42989 (15020908)	39.63708 (17021822)	
3601597.5	30.81718 (16122021)	37.20925 (15022808)	27.81639
(17010406)	34.82998 (17120621)	36.85645 (17021408)	
3601347.5	27.71381 (17031208)	28.18534 (15022808)	25.45942
(15022808)	24.70525 (16121008)	31.26142 (17120621)	
3601097.5	23.90542 (16121418)	23.48372 (17011319)	30.28614
(15022808)	21.25321 (17010406)	25.30565 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC6
 INCLUDING SOURCE(S): SC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)			X-COORD (METERS)
511118.86	510368.86	510618.86	510868.86

3606097.5	8.09090 (16092207)	8.93597 (17121809)	7.14890
(17121809)	6.12853 (17032908)		
3605847.5	9.81435 (17121809)	7.77738 (17121809)	6.71072
(17032908)	6.49986 (15082707)		

3605597.5	8.53574 (17121809)	7.35138 (17032908)	6.77194
(15082707)	4.45015 (15082707)		
3605347.5	8.26125 (15082707)	6.74255 (15082707)	4.39344
(17122309)	7.52130 (17122309)		
3605097.5	7.30153 (16042804)	8.13716 (17122309)	11.35870
(17122309)	12.09670 (17122309)		
3604847.5	16.87412 (17032608)	17.19547 (16040707)	28.06368
(16040707)	31.99323 (16040707)		
3604597.5	39.65034 (16040707)	36.55149 (16040707)	25.62731
(16040707)	15.15771 (16040707)		
3604347.5	15.26046 (16040707)	12.42511 (17082707)	12.36652
(17082707)	11.73221 (17082707)		
3604097.5	17.46015 (16090707)	15.31031 (16090707)	13.32357
(16090707)	11.57287 (16090707)		
3603847.5	19.92803 (17042907)	17.49976 (15062407)	16.11249
(15062407)	14.94555 (15062407)		
3603597.5	18.35851 (15061907)	15.70310 (15061907)	13.50679
(15061907)	11.39451 (15061907)		
3603347.5	34.79791 (15091922)	13.69123 (16011417)	9.78758
(17122709)	7.62298 (17122709)		
3603097.5	41.16721 (15022408)	28.44035 (15022408)	13.72173
(15022408)	10.80746 (17122709)		
3602847.5	98.08964 (17011308)	42.92188 (16040807)	34.08184
(15022408)	28.38316 (15022408)		
3602597.5	62.57212 (16010101)	22.75514 (16040807)	37.58170
(16040807)	36.07857 (16040807)		
3602347.5	54.04549 (17122124)	70.41301 (17010220)	34.97678
(15011223)	54.91689 (17011308)		
3602097.5	81.23837 (17040307)	38.56555 (17122124)	38.67451
(16122817)	36.22988 (17022804)		
3601847.5	66.95698 (16010601)	34.11350 (17122518)	30.27675
(17122124)	29.32633 (15013018)		
3601597.5	35.30812 (16121022)	30.03522 (16010601)	30.33538
(17122518)	24.53537 (17122124)		
3601347.5	31.85484 (17021408)	25.32051 (16121022)	25.20346
(16010601)	24.93794 (17122518)		
3601097.5	27.52507 (15020908)	26.13389 (17021408)	20.77639
(16010421)	22.95827 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC6
 INCLUDING SOURCE(S): SC6 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
508226.78	3603955.63	555.48877 (17020524)	

507708.67	3603932.32	167.68944 (17011708)	
	506203.59	37.93341 (16021602)	
507919.87	3604794.52	168.75699 (15011206)	
	507037.89	71.34131 (17020308)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC7 ***
INCLUDING SOURCE(S): SC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS) 504618.86
504868.86	505118.86		

3606097.5	13.24175 (16020408)	14.14156 (15011008)	17.08434
(16012908)	19.22631 (17020308)	19.45872 (17020308)	
3605847.5	16.02924 (15040607)	14.84799 (15040607)	15.79513
(16020408)	17.49893 (16011506)	21.83915 (16012908)	
3605597.5	16.33696 (15040607)	18.21209 (15040607)	19.48120
(15040607)	18.66659 (15010408)	20.20422 (16020408)	
3605347.5	14.79065 (17012508)	15.55029 (15011608)	17.61583
(15040607)	19.84506 (15040607)	22.90264 (15040607)	
3605097.5	15.25519 (16122808)	16.48441 (17012508)	18.36437
(17012508)	18.37430 (17012508)	20.23510 (15011608)	
3604847.5	21.46331 (15040307)	21.71548 (15040307)	20.18654
(15040307)	19.73939 (16122808)	21.74027 (17010407)	
3604597.5	18.58052 (17092707)	19.11186 (17092707)	20.44305
(15040307)	24.41819 (15040307)	28.19528 (15040307)	
3604347.5	18.92307 (16040507)	18.95274 (16040507)	18.91224
(16040507)	20.34536 (16011421)	23.02081 (15122708)	
3604097.5	16.30150 (17011708)	18.14306 (17011708)	19.52978
(17011708)	21.32280 (17011708)	23.47348 (17011708)	
3603847.5	17.70419 (17021608)	18.80823 (17021608)	20.44444
(17021608)	21.79815 (17122608)	24.75515 (17122608)	
3603597.5	17.13314 (17021608)	17.53924 (17021608)	18.35414
(17021608)	19.17269 (15021102)	21.03335 (15021102)	
3603347.5	14.47164 (15011603)	16.02966 (17122908)	17.91641
(17122908)	19.64584 (17122908)	21.47273 (17122908)	
3603097.5	14.27604 (17021402)	15.41161 (17011719)	16.86789
(17011719)	19.09144 (15012720)	20.35952 (16021602)	
3602847.5	14.11721 (16021602)	14.98702 (16021602)	16.57142
(16012803)	17.92773 (16011702)	19.72433 (17120906)	
3602597.5	13.74401 (16011702)	14.98818 (17120906)	16.46311
(15011506)	20.41866 (15092907)	24.60394 (15092907)	
3602347.5	17.09317 (15092907)	20.25913 (15092907)	22.03000
(15092907)	21.47401 (15092907)	18.62640 (17010704)	
3602097.5	19.13494 (15092907)	17.47632 (15092907)	16.52609
(17092807)	21.94663 (17092807)	25.15031 (17092807)	
3601847.5	15.78703 (17092807)	19.98599 (17092807)	21.96613
(17092807)	23.47548 (15092707)	29.56837 (15092707)	
3601597.5	19.84712 (17092807)	20.26963 (15092707)	25.40826
(15092707)	27.13364 (15092707)	23.56672 (15092707)	
3601347.5	22.46800 (15092707)	24.73754 (15092707)	23.10087
(15092707)	17.66731 (15092707)	10.75482 (17122302)	
3601097.5	22.24294 (15092707)	18.56541 (15092707)	12.83231
(15092707)	9.65761 (17122105)	10.20857 (15012201)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SC7 ***
INCLUDING SOURCE(S): SC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS) 505868.86
506118.86	506368.86		

3606097.5	27.47886 (17040507)	27.01652 (17040507)	26.48176
(17020108)	26.21407 (16121408)	38.48930 (16120208)	
3605847.5	24.10539 (17020308)	27.57030 (17040507)	31.80073
(17040507)	30.14400 (17020108)	30.40382 (16121408)	
3605597.5	22.79767 (16011506)	27.94588 (16012908)	29.53973
(17020308)	36.35066 (17040507)	34.28027 (17020108)	
3605347.5	23.07451 (15010408)	25.34692 (16020408)	30.21075
(16012908)	36.39451 (17020308)	37.72606 (17040507)	
3605097.5	22.92285 (15040607)	27.53160 (15040607)	29.76960
(15121608)	32.96883 (16020408)	41.57536 (16012908)	
3604847.5	23.62449 (17012508)	25.14313 (17012508)	29.01905
(15011608)	32.37693 (15012401)	39.63953 (15121608)	
3604597.5	26.63029 (15040307)	27.73338 (16122808)	29.51235
(16122808)	34.52902 (17012508)	39.11782 (15011608)	
3604347.5	25.97406 (17020524)	29.58117 (17020524)	32.07849
(16020401)	33.61256 (15020702)	40.71453 (16011108)	
3604097.5	25.96142 (17011708)	30.44223 (16120722)	33.96142
(16120722)	34.70880 (16120722)	39.52195 (16011421)	
3603847.5	28.33617 (17122608)	31.06521 (17122608)	33.25961
(17122608)	38.02038 (17122608)	43.11987 (15010808)	
3603597.5	23.99305 (15021102)	26.33734 (15021102)	29.10521
(15021102)	33.65848 (16012807)	41.00515 (15011603)	
3603347.5	23.51098 (16010308)	25.94321 (16010308)	29.11786
(17011719)	34.18358 (15012720)	40.14916 (16021602)	
3603097.5	22.36582 (16021602)	25.08380 (16012803)	28.12880
(16011702)	33.62872 (17120906)	38.99211 (15011506)	
3602847.5	21.76594 (15011506)	25.25325 (15092907)	30.99268
(15092907)	33.31637 (15092907)	38.47614 (17010708)	
3602597.5	26.53624 (15092907)	24.98615 (15092907)	27.72170
(17092807)	35.29173 (17092807)	45.13598 (15092707)	
3602347.5	24.92095 (17092807)	29.59697 (17092807)	35.06332
(15092707)	41.32448 (15092707)	32.89773 (15092707)	
3602097.5	28.17437 (15092707)	34.53208 (15092707)	32.79884
(15092707)	21.26175 (15092707)	19.01403 (15022607)	
3601847.5	29.87864 (15092707)	23.45188 (15092707)	15.06820
(17122302)	16.33957 (15121422)	17.72243 (17021905)	
3601597.5	16.00578 (15092707)	12.73675 (17122105)	14.05340
(15121422)	15.22561 (16121224)	16.22473 (17121505)	
3601347.5	11.24174 (15022607)	12.18801 (17012504)	13.15661
(16121224)	13.98825 (17121505)	14.92046 (15120324)	
3601097.5	11.01828 (17012504)	11.62568 (16121224)	12.46724
(17121505)	13.11897 (15120324)	13.84209 (17010801)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC7 ***
 INCLUDING SOURCE(S): SC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS)	507118.86
507368.86	507618.86			

3606097.5	47.65144 (16120208)	34.95196 (15121708)	49.02481
(17021308)	66.65375 (15021508)	54.02725 (17010724)	
3605847.5	43.42369 (16120208)	52.69885 (16120208)	44.14961
(16010908)	71.84483 (17021308)	66.26817 (15021508)	
3605597.5	35.70208 (17020202)	49.09712 (16120208)	55.12042
(16120208)	64.17855 (15122808)	92.99500 (15021508)	
3605347.5	40.59429 (15121803)	45.08326 (17020108)	54.78577
(16120208)	59.51016 (15121708)	59.29116 (17022201)	
3605097.5	47.28286 (17020308)	51.11850 (15120308)	62.42469
(17020108)	73.94858 (16120208)	79.13172 (15121708)	
3604847.5	44.94862 (16020408)	61.24505 (16012908)	69.37418
(15021008)	90.63359 (17020108)	112.00942 (16120208)	
3604597.5	45.79932 (17012703)	57.28803 (15121608)	68.31865
(15011008)	99.40725 (17020308)	133.62857 (17020108)	
3604347.5	48.58353 (16122808)	57.02419 (17012508)	69.43967
(15011608)	91.48852 (15121608)	126.86579 (16012908)	
3604097.5	47.16083 (16011421)	57.69357 (17020524)	72.78103
(16020401)	92.12822 (16011108)	124.56401 (16122808)	
3603847.5	49.43924 (17122608)	59.63163 (15010808)	73.46430
(15010808)	94.78547 (15010808)	130.76978 (17011708)	
3603597.5	48.46884 (17122908)	58.17618 (17122908)	71.12644
(17122908)	86.13374 (17011719)	116.33739 (16021602)	
3603347.5	46.47907 (16021602)	53.48595 (16011702)	67.36120
(15011506)	87.08219 (17121720)	109.31176 (17121308)	
3603097.5	45.24308 (16021406)	52.58044 (17122824)	64.70496
(17121308)	73.30459 (16021107)	59.38199 (17122302)	
3602847.5	46.49944 (17121308)	55.58126 (15092707)	51.28757
(15092707)	42.54825 (15121422)	48.65022 (17121505)	
3602597.5	46.34628 (15092707)	30.16239 (15092707)	34.09566
(15121422)	36.34583 (17121505)	40.62891 (17010801)	
3602347.5	23.32599 (16011206)	26.31013 (17012504)	28.87493
(17121505)	31.68378 (17010801)	34.61322 (16120304)	
3602097.5	20.88597 (17021905)	23.11917 (17121505)	24.58502
(17010801)	27.01676 (17012722)	31.77005 (17022103)	
3601847.5	19.04900 (17121505)	20.76009 (15120324)	22.09784
(16122704)	23.44203 (17011624)	27.50890 (15121007)	
3601597.5	17.43152 (15120324)	18.39016 (16022007)	19.75115
(16120304)	25.06679 (17040807)	28.72942 (17020408)	
3601347.5	15.71186 (16021923)	16.92503 (17012722)	22.63397
(17040807)	20.78189 (15041007)	37.63351 (17020408)	
3601097.5	14.50650 (16122704)	16.12233 (17040807)	20.81914
(17040807)	22.35227 (15041007)	41.00330 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC7 ***
 INCLUDING SOURCE(S): SC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS)	508368.86
508618.86	508868.86			

3606097.5	63.25451 (17021508)	49.92000 (15022002)	23.50157
(17022408)	14.54873 (16112208)	33.58973 (17032607)	
3605847.5	93.96234 (16012808)	70.95436 (16120908)	54.99831
(17022408)	50.39838 (15100707)	81.25750 (17032607)	
3605597.5	84.99304 (16020419)	53.78615 (16021807)	53.84583
(16120106)	60.48387 (16040620)	104.19015 (17020819)	
3605347.5	60.01119 (15021508)	66.35279 (17021508)	79.55584
(15022305)	48.78426 (15111919)	121.53026 (17020819)	
3605097.5	90.84131 (15021508)	158.11081 (16012808)	37.03318
(17022408)	31.09142 (16112208)	50.87809 (17032607)	
3604847.5	182.27857 (16010908)	168.09952 (15121303)	66.54067
(17022408)	44.20288 (16112208)	39.22340 (17032607)	
3604597.5	166.30039 (15120408)	188.39453 (16021523)	65.04441
(17021508)	69.63751 (16112208)	23.20227 (16111708)	
3604347.5	173.79895 (15120308)	239.79824 (15120408)	354.95551
(17010724)	130.52283 (16120619)	59.22095 (17121007)	
3604097.5	181.14595 (17012703)	333.08973 (17020308)	572.83343
(15121708)	610.76984 (15010907)	601.15224 (17011520)	
3603847.5	202.30868 (17011708)	346.81816 (17011708)	829.27193
(17020524)	3741.89251 (16090406)	647.05128 (17021819)	
3603597.5	173.39359 (17120906)	281.39911 (17010708)	368.35882
(16121224)	746.93939 (15012408)	188.90525 (16013009)	
3603347.5	133.05507 (16021107)	129.98209 (16020405)	207.21571
(15121007)	303.89165 (17122205)	135.97981 (15020418)	
3603097.5	73.23603 (17121505)	92.26593 (16120304)	129.83103
(17020408)	177.86613 (15121123)	165.54259 (15011507)	
3602847.5	58.27714 (16122704)	73.79628 (15121007)	83.87520
(15012823)	105.09573 (15121123)	100.29355 (17011319)	
3602597.5	48.25995 (17022103)	71.69577 (17020408)	61.61929
(16011319)	76.50588 (15121123)	73.88639 (15020321)	
3602347.5	41.31187 (15121007)	68.58059 (17020408)	48.42602
(16010118)	59.07949 (15121123)	57.43530 (16121418)	
3602097.5	43.56968 (17020408)	50.87836 (17020408)	38.81911
(17122005)	47.26235 (15121123)	46.39405 (15021622)	
3601847.5	51.86864 (17020408)	33.19912 (17020408)	32.39308
(16122020)	38.99064 (15121123)	37.98598 (17122218)	
3601597.5	49.01589 (17020408)	26.79248 (17122619)	27.34009
(16022802)	32.94011 (15121123)	32.89625 (17122218)	
3601347.5	40.48131 (17020408)	23.01762 (16011319)	23.67950
(16012923)	28.31669 (15121123)	29.77343 (16112308)	
3601097.5	30.05977 (17020408)	20.40508 (15022601)	21.03050
(16012923)	24.78528 (15120902)	26.50871 (16112308)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC7 ***
 INCLUDING SOURCE(S): SC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS)	509618.86
509868.86	510118.86			

3606097.5	24.72900 (17032607)	15.45989 (17121006)	9.99019
(16111708)	7.64257 (17020109)	6.37555 (17020109)	
3605847.5	18.10675 (17032607)	77.09859 (15033023)	17.47029
(16083007)	7.93076 (17020109)	7.44155 (16092207)	
3605597.5	89.05652 (16121520)	70.92020 (17101124)	52.88391
(15092321)	24.25886 (16100201)	10.28663 (16081907)	
3605347.5	120.42865 (16120120)	99.05481 (16120518)	104.69185
(17021903)	21.07944 (16092207)	11.10601 (17121809)	
3605097.5	23.40760 (16083007)	11.66087 (17020109)	24.17296
(16092207)	64.12025 (15101307)	16.98415 (15082707)	
3604847.5	22.23691 (16111708)	14.37405 (16092207)	15.08541
(17121809)	10.52085 (17032908)	16.02943 (15082707)	
3604597.5	16.51315 (17020519)	18.64207 (17121809)	12.81777
(15082707)	9.86959 (17122309)	18.37969 (17032608)	
3604347.5	45.73096 (17011903)	32.49262 (15022724)	35.72490
(17032608)	42.44397 (16040707)	47.31040 (16040707)	
3604097.5	115.36139 (15121321)	82.43328 (16040707)	45.76278
(16040707)	17.61173 (17082707)	17.10341 (17082707)	
3603847.5	235.99357 (17073005)	91.19662 (15061006)	39.01441
(17030408)	27.16437 (17030408)	20.88446 (17030408)	
3603597.5	96.85279 (15022408)	55.39578 (17122117)	43.45515
(16121017)	33.74293 (16012017)	24.11095 (15061907)	
3603347.5	113.94252 (16013009)	75.30700 (16040807)	199.10622
(15022202)	41.58577 (15012417)	108.37218 (15042322)	
3603097.5	70.41511 (15020820)	157.78929 (17122124)	120.06504
(17022804)	164.77788 (15121020)	133.82037 (16121122)	
3602847.5	143.31772 (17120621)	100.81341 (16121022)	82.32412
(16121120)	95.49596 (16121203)	73.20843 (17121101)	
3602597.5	70.75139 (16121220)	88.93589 (15020908)	71.48854
(16010421)	65.08816 (16121120)	65.54627 (16122817)	
3602347.5	54.54216 (17010624)	55.64863 (17120621)	69.66875
(17021408)	54.87935 (16010421)	49.60665 (17122518)	
3602097.5	44.58417 (16022321)	41.53497 (16121220)	54.25739
(17120621)	51.31276 (17021408)	77.19426 (16010601)	
3601847.5	37.73330 (15011921)	39.03529 (15022808)	35.21575
(16121008)	45.66043 (15020908)	40.35814 (16121022)	
3601597.5	32.11960 (17123106)	37.07619 (15022808)	28.72540
(17010406)	36.80355 (17120621)	38.70472 (17021408)	
3601347.5	28.03614 (15020321)	27.20594 (16022321)	26.16200
(15022808)	25.34543 (16121008)	32.31214 (15020908)	
3601097.5	24.62135 (16121418)	24.06227 (17011319)	30.68397
(15022808)	21.69015 (17010406)	26.45308 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC7 ***
 INCLUDING SOURCE(S): SC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS)	510868.86
511118.86				

3606097.5	7.57495 (16092207)	8.49991 (17121809)	8.09025
(17121809)	5.64584 (17032908)		
3605847.5	9.12046 (17121809)	8.88113 (17121809)	6.29077
(17032908)	6.37745 (15082707)		
3605597.5	9.85922 (17121809)	7.06477 (17032908)	7.09591
(15082707)	5.81675 (15082707)		
3605347.5	8.00271 (17032908)	7.75205 (15082707)	5.44413
(15082707)	4.86505 (17122309)		
3605097.5	8.84661 (15022724)	5.34924 (15051907)	8.42790
(17122309)	11.01938 (17122309)		
3604847.5	12.36948 (16082307)	12.98413 (17122309)	16.39297
(16040707)	25.95864 (16040707)		
3604597.5	25.36246 (16040707)	36.00342 (16040707)	34.66490
(16040707)	25.98137 (16040707)		
3604347.5	32.97878 (16040707)	17.87995 (16040707)	10.31475
(17082707)	10.84062 (17082707)		
3604097.5	15.84394 (16090707)	15.67124 (16090707)	14.84313
(16090707)	13.70896 (16090707)		
3603847.5	17.46830 (15062407)	15.97482 (15062407)	14.74072
(15062407)	13.70168 (15062407)		
3603597.5	22.73044 (16052106)	16.56314 (15061907)	12.85271
(15061907)	12.80915 (17042907)		
3603347.5	47.51138 (15091922)	13.89855 (16121017)	7.83927
(17122709)	7.98225 (15061907)		
3603097.5	36.44435 (15022408)	18.15451 (15022408)	11.81883
(17122709)	10.75954 (17122709)		
3602847.5	115.81106 (15121020)	36.59056 (16040807)	33.55357
(15022408)	21.92742 (15022408)		
3602597.5	89.22437 (15031607)	32.47069 (16040807)	41.07169
(16040807)	31.31167 (16040807)		
3602347.5	55.84358 (15013018)	71.29982 (16121203)	44.35424
(16060106)	64.30185 (17011308)		
3602097.5	84.63145 (17040307)	37.53621 (17122124)	37.94135
(16121203)	35.17271 (17022804)		
3601847.5	47.45911 (16010601)	33.30673 (17122518)	30.74112
(17122124)	29.50212 (16122817)		
3601597.5	34.49122 (16121022)	30.58100 (17011224)	29.39757
(17122518)	25.69442 (17122124)		
3601347.5	32.41243 (17021408)	25.38026 (16121022)	26.07900
(17011224)	24.46688 (17122518)		
3601097.5	28.67178 (15020908)	25.92080 (17021408)	22.40868
(16010421)	23.33550 (17011224)		

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SC7 ***
 INCLUDING SOURCE(S): SC7 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
508226.78	3603955.63	423.97832 (15011608)	
507708.67	3603932.32	143.97519 (16011421)	
506203.59	3603369.23	36.01567 (17011719)	
507919.87	3604794.52	196.17923 (17021107)	
507037.89	3604916.08	63.91378 (15021008)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP1 ***
 INCLUDING SOURCE(S): SP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504868.86	505118.86

3606097.5 (17020308)	25.09697 (15020808)	23.34177 (16020408)	25.74809
3605847.5 (15020808)	43.11450 (15120108)	36.74155 (15120108)	29.10223
3605597.5 (15120108)	26.65836 (16020408)	32.04556 (17020308)	
3605347.5 (15120108)	55.42818 (15120108)	56.06219 (15120108)	52.35836
3605097.5 (15120108)	44.83345 (15120108)	34.43098 (15020808)	
3604847.5 (15012708)	49.38049 (15120108)	58.09274 (15120108)	64.81880
3604597.5 (15012708)	67.70479 (15120108)	65.05421 (15120108)	
	29.50674 (15120108)	39.71566 (15120108)	51.68029
	64.33610 (15120108)	75.95033 (15120108)	
	34.35767 (15012708)	35.68117 (15012708)	36.20459
	36.71261 (15120108)	51.83660 (15120108)	
	32.31681 (16020508)	35.77055 (15012708)	39.95007
	44.35414 (15012708)	49.06408 (15012708)	

3604347.5 (16020508)	23.71598 (16020508)	27.70864 (16020508)	32.33823
3604097.5 (15013008)	37.81392 (16020508)	43.56226 (16020508)	
3603847.5 (17121208)	26.85377 (15013008)	29.02726 (15013008)	31.10743
3603597.5 (17121208)	33.47687 (15013008)	36.12960 (15013008)	
3603347.5 (17121708)	33.66166 (17121208)	36.21042 (17121208)	39.20509
3603097.5 (17121708)	42.50421 (17121208)	46.52781 (17121208)	
	31.19842 (17121208)	33.37450 (17121208)	35.88145
	38.61071 (17121208)	41.34043 (17121208)	
	21.96439 (17121708)	24.98904 (17121708)	28.42703
	32.31289 (17121708)	36.59491 (17121708)	
	27.07470 (17121708)	28.70551 (17121708)	30.16597
	31.11343 (17121708)	31.42708 (17121708)	
	20.36568 (15021021)	22.03283 (15021021)	23.64129
	25.31577 (15122019)	27.78318 (17122621)	
	19.81587 (17122621)	21.33999 (17122621)	22.88240
	24.99256 (15012003)	27.03852 (17012206)	
	19.44578 (15012003)	20.77146 (17012206)	22.35391
	24.49705 (16122906)	28.03865 (15011108)	
	20.30151 (15092907)	20.58308 (15011108)	23.77807
	26.28385 (15011108)	28.75172 (17121308)	
	20.60257 (15011108)	22.16561 (15011108)	24.02637
	28.03048 (16031707)	32.82549 (15092707)	
	20.56591 (17092807)	23.64164 (16031707)	28.66404
	31.49337 (15092707)	30.42042 (15092707)	
	25.70516 (15092707)	28.61242 (15092707)	28.67159
	25.20946 (15092707)	23.98799 (15032207)	
	27.07496 (15092707)	25.02348 (15092707)	21.10786
	20.70430 (15032207)	18.27424 (15032207)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP1 ***
 INCLUDING SOURCE(S): SP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
505368.86	505618.86
506118.86	506368.86

3606097.5 (17020108)	32.45049 (15120308)	33.30754 (17020108)	39.09289
3605847.5 (15120308)	50.19984 (15032407)	60.77510 (17013108)	
3605597.5 (15021008)	34.52386 (17020308)	37.41078 (15021008)	37.21655
3605347.5 (17020308)	45.16843 (17020108)	57.61681 (15032407)	
3605097.5 (15120108)	31.98444 (16012908)	40.08987 (17020308)	41.72976
3604847.5 (15120108)	45.27558 (15120308)	52.25745 (17020108)	
3604597.5 (15120108)	55.89390 (15120108)	42.08543 (15120108)	42.29610
	49.72163 (17020308)	54.10400 (15021008)	
	83.24647 (15120108)	82.63137 (15120108)	72.16376
	52.89523 (15120108)	57.76923 (17020308)	
	69.22940 (15120108)	88.32411 (15120108)	103.49086
	108.65738 (15120108)	96.72313 (15120108)	
	50.53840 (15012708)	51.66919 (15012708)	70.90008
	99.77607 (15120108)	129.85225 (15120108)	

Otay Hills Quarry AERMOD Output File (HRA)

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3604347.5 | 49.77872 (16020508) 57.92271 (15012708) 66.33202
(15012708) 74.45762 (15012708) 81.35410 (15012708)
3604097.5 | 39.14865 (15013008) 43.52642 (15013008) 46.63276
(16020508) 58.61195 (16020508) 73.57660 (16020508)
3603847.5 | 51.10643 (17121208) 55.93352 (17121208) 61.75207
(17121208) 69.27438 (17121208) 77.99826 (17121208)
3603597.5 | 44.86605 (17121208) 48.85152 (17121208) 52.97983
(17121208) 58.28860 (17121208) 63.99226 (17121208)
3603347.5 | 41.39657 (17121708) 46.51944 (17121708) 51.87588
(17121708) 56.85352 (17121708) 60.73071 (17121708)
3603097.5 | 31.49266 (15021021) 35.14179 (15021021) 38.52766
(15122019) 44.01037 (17122621) 50.50814 (17021924)
3602847.5 | 30.20207 (17122621) 33.91420 (17021924) 37.42183
(17012206) 42.64839 (16122906) 53.66034 (15011108)
3602597.5 | 29.42785 (17012206) 33.74983 (15011108) 40.43033
(15011108) 45.91893 (15011108) 59.28921 (16031707)
3602347.5 | 32.45790 (15011108) 35.36693 (17121308) 43.86602
(16031707) 50.04709 (16031707) 48.41711 (16031707)
3602097.5 | 34.35321 (16031707) 39.07657 (16031707) 40.25631
(16031707) 39.55931 (15032207) 37.61445 (15032207)
3601847.5 | 35.28101 (15092707) 32.23070 (15092707) 32.75360
(15032207) 29.19074 (15032207) 28.15334 (15010718)
3601597.5 | 27.68061 (15032207) 26.82072 (15032207) 22.72018
(15032207) 24.30876 (17011023) 27.04103 (16032607)
3601347.5 | 22.02274 (15032207) 19.88091 (17122924) 21.14187
(17011023) 23.47158 (16032607) 27.14836 (15010508)
3601097.5 | 17.83442 (17122924) 18.85071 (17020101) 20.92253
(16032607) 23.85990 (15010508) 22.15513 (17012624)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP1
INCLUDING SOURCE(S): SP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS) 507118.86
507368.86	507618.86		

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3606097.5 | 60.44843 (16120208) 55.48539 (16120708) 65.15066
(15021508) 80.25752 (15021508) 67.41907 (17021508)
3605847.5 | 70.18412 (17013108) 65.37896 (16120208) 58.42019
(16120708) 90.64522 (15021508) 82.33635 (15021508)
3605597.5 | 67.05988 (15032407) 82.30866 (17013108) 75.99455
(16120708) 74.24308 (17013021) 109.80506 (15021508)
3605347.5 | 60.00857 (17020108) 79.40795 (15032407) 98.28450
(17013108) 93.92032 (16120708) 76.54584 (15021508)
3605097.5 | 63.80600 (15021008) 67.58044 (17020108) 96.47985
(15032407) 120.27529 (17013108) 111.86050 (16120708)
3604847.5 | 68.51866 (15120108) 80.26727 (17020308) 89.31362
(15120308) 121.52054 (15032407) 155.64767 (17013108)
3604597.5 | 148.13575 (15120108) 137.45777 (15120108) 92.06140
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3604347.5 | 104.01409 (15120108) 159.28894 (15120108) 211.38852
(15120108) 213.66385 (15120108) 161.48758 (17020308)
3604097.5 | 91.23584 (16020508) 115.40101 (15012708) 144.10645
(15012708) 170.09693 (15120108) 305.24552 (15120108)
3603847.5 | 89.07434 (17121208) 102.45379 (17121208) 119.93135
(17121208) 143.60636 (15013008) 187.16897 (15013008)
3603597.5 | 70.34018 (17121208) 83.91816 (17121708) 108.97994
(17121708) 142.68195 (17121708) 184.23594 (17121708)
3603347.5 | 62.05604 (17121708) 70.28703 (15122019) 85.01376
(17122621) 106.49689 (17012206) 150.12973 (15011108)
3603097.5 | 58.08986 (17012206) 69.84213 (15011108) 89.34322
(15011108) 123.61639 (16031707) 130.04918 (15032207)
3602847.5 | 63.54772 (15011108) 80.36304 (16031707) 88.96028
(16031707) 85.92524 (15032207) 80.25958 (16032607)
3602597.5 | 64.50024 (16031707) 63.82479 (15032207) 58.75121
(15032207) 59.53761 (16032607) 68.55071 (15010508)
3602347.5 | 49.10765 (15032207) 40.80160 (17122924) 46.89601
(16032607) 54.47201 (15010508) 63.00712 (16052806)
3602097.5 | 33.29757 (15010718) 37.97589 (16032607) 44.33002
(15010508) 47.50281 (16052806) 54.81346 (15123108)
3601847.5 | 31.61893 (16032607) 37.09814 (15010508) 36.22585
(17011608) 43.27027 (16052806) 44.78295 (16021102)
3601597.5 | 31.47396 (15010508) 30.10697 (15021520) 36.36207
(16052806) 38.17553 (15123108) 43.89923 (17012608)
3601347.5 | 25.54579 (15012007) 30.36218 (16052806) 33.00352
(15123108) 32.97560 (15020621) 51.52735 (17020408)
3601097.5 | 25.42900 (16052806) 28.51383 (16052806) 28.30720
(15123108) 32.39863 (17020408) 54.76874 (17020408)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP1
INCLUDING SOURCE(S): SP1 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

```

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS) 508368.86
508618.86	508868.86		

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3606097.5 | 64.74206 (17021508) 58.63779 (15022002) 24.58657
(17022408) 16.18583 (15123009) 35.61838 (17032607)
3605847.5 | 106.13587 (16012808) 114.45800 (16120908) 57.14041
(15121906) 61.36722 (15100707) 83.96964 (17032607)
3605597.5 | 94.61006 (16012808) 110.01677 (16120908) 64.30787
(17011402) 86.17908 (15010907) 108.99042 (17020819)
3605347.5 | 73.25788 (15021508) 111.87247 (16120908) 95.21832
(15121906) 64.22762 (15100707) 127.70353 (17020819)
3605097.5 | 109.76492 (15021508) 178.73353 (16012808) 38.88737
(17022408) 28.59350 (16112208) 54.07743 (17032607)
3604847.5 | 158.43670 (16120708) 162.16232 (16012808) 78.90086
(17022408) 40.04465 (16112208) 49.68459 (17032607)
3604597.5 | 201.26531 (17013108) 215.55687 (16021523) 66.06899
(17022408) 61.46647 (16112208) 35.80171 (17032607)

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Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	204.96884 (17020108)	284.19060 (16120708)	404.95427
(16012808)	164.24988 (15111919)	55.67332 (17020109)	
3604097.5	377.53793 (15120108)	338.33958 (15021008)	438.44522
(17010802)	521.53776 (16021204)	572.58500 (16021524)	
3603847.5	273.40478 (15012708)	499.77217 (15012708)	797.94708
(17052006)	1350.41106 (16090705)	763.97221 (15021523)	
3603597.5	217.46178 (17121708)	329.71970 (15011108)	699.25658
(15032207)	1349.81858 (17062106)	195.72521 (16040807)	
3603347.5	234.66466 (16031707)	226.36950 (15032207)	316.66331
(15123108)	454.62866 (17010308)	204.67119 (17101224)	
3603097.5	118.06440 (16032607)	164.64661 (16052806)	254.17895
(15032307)	269.58092 (17010308)	277.98135 (15121508)	
3602847.5	93.92238 (15021520)	118.33565 (16021102)	139.74861
(15032307)	182.66404 (15120608)	179.94961 (17010608)	
3602597.5	84.81854 (15123108)	117.28997 (15032307)	104.16119
(16012208)	135.57890 (15120608)	126.42517 (17010608)	
3602347.5	67.01980 (16021102)	97.35581 (15032307)	91.42132
(15011408)	105.68871 (15120608)	88.36193 (17062106)	
3602097.5	67.42602 (17012608)	72.70310 (17020408)	78.65949
(15011408)	85.38313 (15120608)	74.95736 (17062106)	
3601847.5	68.05446 (17020408)	53.36321 (17020408)	69.16172
(15120608)	70.81443 (15120608)	63.29669 (17062106)	
3601597.5	65.32788 (17020408)	42.38718 (16120822)	62.53001
(15120608)	59.92113 (15120608)	54.62924 (17010308)	
3601347.5	57.12751 (17020408)	37.47664 (16012208)	56.61050
(15120608)	51.72684 (15120608)	50.12956 (17010308)	
3601097.5	46.16137 (17020408)	36.18837 (16012208)	51.24355
(15120608)	45.27421 (15120608)	45.73471 (17010308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SP1
 INCLUDING SOURCE(S): SP1 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
-	-	-	-
-	-	-	-

3606097.5	29.97971 (17032607)	16.45641 (16090705)	9.38753
(16111708)	11.13228 (17020109)	10.14229 (17020109)	
3605847.5	25.31350 (17032607)	77.08295 (15033023)	18.56043
(16083007)	11.89031 (17020109)	8.55853 (17020109)	
3605597.5	98.36582 (16121520)	88.57179 (15122821)	59.36147
(15092321)	28.29750 (16100201)	12.75515 (17121809)	
3605347.5	116.74796 (16120120)	95.46948 (16120518)	109.14963
(16120223)	27.11053 (17121809)	14.99827 (17121809)	
3605097.5	24.47918 (16111708)	16.62284 (17020109)	28.47850
(17121809)	81.27499 (15101307)	19.86678 (17012609)	
3604847.5	21.05983 (16111708)	15.79190 (17020109)	19.77491
(17121809)	13.75310 (15110508)	21.43153 (17032908)	
3604597.5	22.47495 (17020109)	23.90865 (17121809)	15.78699
(17032908)	12.17100 (17100708)	16.60089 (17122309)	

3604347.5	61.52964 (17121809)	38.18122 (17032908)	26.85398
(17032608)	35.06218 (16040707)	45.67619 (16040707)	
3604097.5	188.05514 (15121624)	75.69308 (16091707)	61.51756
(16040707)	37.00335 (16040707)	18.87758 (16040707)	
3603847.5	331.05677 (15120702)	138.01471 (17103122)	49.26174
(16090707)	26.74237 (17030408)	21.00205 (17030408)	
3603597.5	58.27391 (15022408)	57.80840 (17122709)	37.23410
(17122709)	30.97894 (15062407)	25.24532 (16052106)	
3603347.5	112.68836 (16013009)	114.98023 (15022408)	219.16705
(17022805)	53.10762 (15022408)	133.86410 (16012801)	
3603097.5	103.43019 (17081204)	257.19119 (17040307)	149.19266
(17011308)	154.27008 (15121020)	129.14482 (15022202)	
3602847.5	172.60776 (15121508)	127.90525 (15011201)	174.81567
(17040307)	119.04226 (15031607)	99.25610 (17011308)	
3602597.5	144.01098 (15121508)	143.58646 (17021408)	102.49350
(17040307)	135.02505 (17040307)	75.98324 (17010220)	
3602347.5	93.60397 (15121508)	92.87402 (15121508)	110.94197
(17021408)	83.93974 (17040307)	107.70469 (17040307)	
3602097.5	82.11204 (17010608)	91.18543 (15121508)	78.64891
(17021408)	79.32031 (17021408)	92.59974 (17040307)	
3601847.5	70.90005 (17010608)	70.06441 (15121508)	64.61777
(15121508)	77.08194 (17021408)	55.70693 (17021408)	
3601597.5	56.55412 (17010608)	48.33544 (17010608)	64.49671
(15121508)	50.28434 (16010602)	66.80013 (17021408)	
3601347.5	42.88375 (17010608)	49.42390 (17010608)	54.20952
(15121508)	48.30966 (15121508)	50.65053 (17021408)	
3601097.5	37.04579 (17062106)	45.93277 (17010608)	40.32354
(15121508)	48.88111 (15121508)	37.63151 (16010602)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SP1
 INCLUDING SOURCE(S): SP1 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			
-	-	-	-
-	-	-	-

3606097.5	8.57300 (17121809)	11.26980 (17121809)	11.27770
(17121809)	9.01691 (17121809)		
3605847.5	12.00015 (17121809)	12.26364 (17121809)	9.64845
(17121809)	8.33422 (17032908)		
3605597.5	13.47164 (17121809)	10.37657 (17121809)	8.96797
(17032908)	7.39408 (17032908)		
3605347.5	11.23202 (17121809)	9.59664 (17032908)	7.35298
(17032908)	7.71026 (17100708)		
3605097.5	12.80955 (15110508)	8.62583 (17100708)	9.65526
(17122309)	12.13210 (17122309)		
3604847.5	20.30108 (17100708)	13.98067 (17122309)	16.46659
(16040707)	24.51596 (16040707)		
3604597.5	23.03816 (16040707)	33.05052 (16040707)	35.47556
(16040707)	31.48606 (16040707)		

Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	40.77979 (16040707)	29.51493 (16040707)	18.98159
(16040707)	11.37352 (16040707)		
3604097.5	15.89544 (17082707)	14.60120 (17082707)	13.80060
(16090707)	13.25563 (16090707)		
3603847.5	17.78211 (17030408)	15.86426 (17030408)	14.50616
(17030408)	13.46953 (17030408)		
3603597.5	23.31351 (16052106)	14.35653 (15062407)	13.78220
(15062407)	13.20786 (15062407)		
3603347.5	54.07118 (15051124)	21.46161 (17062607)	10.46583
(15061907)	9.80460 (15061907)		
3603097.5	32.80436 (17122709)	16.41560 (17122709)	15.27990
(17122709)	13.58446 (17122709)		
3602847.5	105.76719 (16121122)	36.84822 (15022408)	30.38542
(15022408)	20.05760 (15022408)		
3602597.5	102.06812 (15031607)	42.14578 (16040807)	41.67098
(16040807)	31.11521 (15022408)		
3602347.5	76.24621 (17040307)	87.69576 (15031607)	58.18799
(16040807)	76.50251 (16040807)		
3602097.5	124.30732 (17040307)	63.47518 (17040307)	48.03995
(15031607)	50.30102 (15031607)		
3601847.5	77.26783 (17040307)	74.32564 (17040307)	57.71791
(17040307)	37.63565 (17010220)		
3601597.5	44.34567 (17022803)	51.38091 (17040307)	63.83416
(17040307)	52.40785 (17040307)		
3601347.5	54.57550 (17021408)	36.53481 (17022803)	44.92374
(17040307)	55.23444 (17040307)		
3601097.5	50.08990 (17021408)	43.15809 (17021408)	31.61097
(15011201)	39.73652 (17040307)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP1
 INCLUDING SOURCE(S): SP1 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
508226.78	3603955.63	483.42598 (16031307)	
507708.67	3603932.32	261.56252 (15012708)	
506203.59	3603369.23	60.11509 (17121708)	
507919.87	3604794.52	178.71482 (17013021)	
507037.89	3604916.08	82.85110 (15120308)	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP10 ***

INCLUDING SOURCE(S): SP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504868.86	505118.86

3606097.5	26.06050 (16020408)	24.18010 (16020408)	27.67300
(16012908)	32.88458 (17020308)	33.28064 (17010508)	
3605847.5	32.47399 (15120108)	30.52024 (15020808)	30.94490
(16020408)	29.48877 (15011008)	36.81953 (17020308)	
3605597.5	43.90291 (15120108)	44.75118 (15120108)	41.99298
(15120108)	40.22193 (15020808)	41.21998 (16020408)	
3605347.5	36.96142 (15120108)	44.31719 (15120108)	51.66504
(15120108)	55.26030 (15120108)	55.30209 (15120108)	
3605097.5	29.59376 (17032907)	34.51077 (17032907)	37.70407
(17032907)	46.99135 (15120108)	60.02615 (15120108)	
3604847.5	37.45871 (15012708)	39.19455 (15012708)	38.38403
(15012708)	36.90213 (15012708)	45.45661 (17032907)	
3604597.5	35.47042 (16020508)	39.17047 (16020508)	42.72230
(16020508)	49.07756 (15012708)	57.72769 (15012708)	
3604347.5	26.88793 (15022521)	28.65293 (16011524)	30.89867
(16011524)	37.35517 (16020508)	47.66076 (16020508)	
3604097.5	31.53503 (15013008)	35.37883 (15013008)	37.78876
(15013008)	41.28247 (15013008)	45.85830 (15013008)	
3603847.5	37.44019 (17121208)	41.29726 (17121208)	47.50373
(17121208)	51.24874 (17121208)	58.81280 (17121208)	
3603597.5	27.79575 (17121208)	29.33327 (17121208)	32.19477
(17121208)	34.36481 (17121208)	37.06480 (17010904)	
3603347.5	27.08839 (17122908)	31.06858 (17121708)	35.90875
(17121708)	40.23215 (17121708)	44.93169 (17121708)	
3603097.5	29.04533 (17121708)	29.45343 (17121708)	29.14171
(15120823)	33.33906 (15011003)	35.70651 (15021021)	
3602847.5	24.49925 (15021021)	26.36954 (15122019)	28.71608
(17021301)	31.56285 (17122621)	33.49956 (16010301)	
3602597.5	23.81713 (17122621)	25.49658 (17021924)	28.44341
(15012003)	31.84861 (15092907)	37.66763 (15092907)	
3602347.5	26.59006 (15092907)	31.23161 (15092907)	32.48316
(15092907)	29.55623 (17121504)	34.63455 (15011108)	
3602097.5	27.18597 (15092907)	25.03898 (15011108)	28.49607
(15011108)	34.40671 (17092807)	36.74156 (17092807)	
3601847.5	24.91776 (17092807)	31.23474 (17092807)	32.15578
(17092807)	41.75731 (15092707)	50.40269 (15092707)	
3601597.5	29.25993 (17092807)	36.07094 (15092707)	44.15307
(15092707)	43.26229 (15092707)	31.73267 (15092707)	
3601347.5	39.56406 (15092707)	40.99313 (15092707)	33.82788
(15092707)	26.98699 (15032207)	24.43148 (15032207)	
3601097.5	34.72576 (15092707)	24.87542 (15092707)	23.32181
(15032207)	20.16585 (15032207)	20.44403 (17122924)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP10 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): SP10 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC		IN MICROGRAMS/M**3	
Y-COORD (METERS)	X-COORD (METERS)	Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86	506118.86	505368.86
506118.86	505368.86	506118.86	505368.86
3606097.5	42.41166 (17040507)	38.34357 (17020108)	44.72038
(17020108)	49.75275 (15032407)	80.72184 (16120208)	
3605847.5	41.13420 (17020308)	44.84336 (15021008)	44.47021
(15120308)	50.99351 (17020108)	57.82298 (15032407)	
3605597.5	39.02961 (17122119)	49.68538 (17020308)	53.20960
(17010508)	58.20272 (15120308)	60.03356 (17020108)	
3605347.5	50.04256 (15020808)	51.34795 (16020408)	53.20371
(16012908)	64.96722 (17020308)	70.48818 (15021008)	
3605097.5	69.34819 (15120108)	76.80264 (15120108)	65.03641
(15120108)	66.31119 (16020408)	73.68731 (17020308)	
3604847.5	47.39878 (15120108)	67.78817 (15120108)	93.26830
(15120108)	103.27699 (15120108)	93.44638 (15120108)	
3604597.5	54.34672 (15012708)	56.90984 (15012708)	53.11197
(17032907)	72.26380 (15120108)	114.47255 (15120108)	
3604347.5	59.06089 (16020508)	70.68727 (16020508)	76.57703
(16020508)	74.56337 (15012708)	91.62229 (15012708)	
3604097.5	51.05455 (15013008)	59.99010 (15013008)	64.77302
(15013008)	61.56944 (15013008)	65.05053 (16020508)	
3603847.5	67.60510 (17121208)	74.02920 (17121208)	77.67603
(17121208)	89.21060 (17121208)	99.73151 (17121208)	
3603597.5	42.39579 (17010904)	46.11686 (17010904)	50.29194
(17010904)	60.45429 (17122908)	81.58894 (17121708)	
3603347.5	49.62119 (17121708)	53.63707 (17121708)	56.24093
(17121708)	60.68792 (15011003)	71.92694 (15021021)	
3603097.5	38.49757 (15122019)	43.87179 (15122019)	49.48642
(17122621)	59.13106 (15012003)	69.06886 (15010407)	
3602847.5	37.52289 (15012003)	43.20081 (17012206)	47.79189
(15121423)	57.87704 (17121504)	69.81095 (15011108)	
3602597.5	38.03233 (15092907)	43.77886 (15011108)	49.61958
(15011108)	61.58370 (16031707)	81.16366 (15092707)	
3602347.5	39.70718 (17092807)	45.55587 (16031707)	62.87655
(15092707)	65.38965 (15092707)	57.46754 (15032207)	
3602097.5	50.32774 (15092707)	57.21474 (15092707)	45.95236
(15032207)	43.92892 (15032207)	38.03142 (17122924)	
3601847.5	44.87368 (15092707)	37.73173 (15032207)	32.86037
(15032207)	32.38877 (17122924)	34.30463 (17020101)	
3601597.5	30.38049 (15032207)	24.87124 (17122921)	27.61071
(15010718)	29.60132 (15121802)	34.02444 (15010508)	
3601347.5	22.17250 (17122924)	24.08585 (15010718)	25.58506
(15121802)	29.22752 (15010508)	29.49323 (15010508)	
3601097.5	21.54636 (15010718)	22.75814 (16032607)	26.01049
(15010508)	27.02270 (15010508)	27.18842 (15021520)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP10 ***

INCLUDING SOURCE(S): SP10 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

** CONC OF TAC		IN MICROGRAMS/M**3	
Y-COORD (METERS)	X-COORD (METERS)	Y-COORD (METERS)	X-COORD (METERS)
507368.86	506618.86	507368.86	506618.86
507368.86	506618.86	507368.86	506618.86
3606097.5	81.68373 (16120208)	57.66103 (16120708)	105.09483
(15021508)	113.11302 (15021508)	96.17291 (17021508)	
3605847.5	90.54752 (16120208)	84.99437 (16120208)	71.14630
(17021401)	138.99547 (15021508)	93.56405 (16100607)	
3605597.5	68.23910 (15032407)	101.47477 (16120208)	91.07134
(16120708)	119.56066 (17013021)	134.64430 (15021508)	
3605347.5	76.95187 (17020108)	82.25594 (15032407)	111.02157
(16120208)	105.91836 (16120708)	121.47607 (15021508)	
3605097.5	84.31227 (17010508)	89.82577 (17020108)	124.14973
(15032407)	152.05414 (16120208)	127.45513 (16120708)	
3604847.5	89.70651 (16020408)	114.49428 (17020308)	131.57571
(15120308)	171.79813 (15032407)	229.52150 (16120208)	
3604597.5	155.55740 (15120108)	151.42217 (15120108)	134.72743
(16020408)	185.13732 (17010508)	247.05088 (17020108)	
3604347.5	95.35321 (15012708)	127.07052 (15120108)	222.07158
(15120108)	286.94541 (15120108)	270.21521 (17020308)	
3604097.5	92.57008 (16020508)	133.46425 (16020508)	179.63844
(16020508)	219.70977 (15012708)	321.26954 (15120108)	
3603847.5	109.02038 (17121208)	132.89161 (17121208)	162.47178
(17121208)	219.27566 (17121208)	315.37925 (17121208)	
3603597.5	100.86637 (17121708)	123.86455 (17121708)	156.60420
(17121708)	170.05955 (17121708)	216.44477 (15122019)	
3603347.5	84.21809 (15122019)	95.22793 (17122621)	122.15007
(15010407)	165.40750 (17121504)	226.08591 (16031707)	
3603097.5	81.77010 (16122906)	99.04659 (15011108)	129.39641
(16031707)	146.26214 (16031707)	124.99287 (15032207)	
3602847.5	88.49129 (16031707)	102.62023 (16031707)	103.61953
(15032207)	86.43467 (15010718)	104.33939 (15010508)	
3602597.5	72.07469 (15032207)	70.59589 (15032207)	66.76423
(15010718)	78.43922 (15010508)	87.02129 (16052806)	
3602347.5	46.69325 (15032207)	51.00714 (17020101)	62.27933
(15010508)	61.48717 (15021520)	72.34866 (16052806)	
3602097.5	40.45150 (17020101)	49.26715 (15010508)	47.66737
(15012007)	61.53707 (16052806)	59.14588 (16021102)	
3601847.5	40.14305 (15010508)	39.70398 (17012624)	48.49496
(16052806)	49.48338 (15123108)	52.26320 (15011308)	
3601597.5	33.56972 (17012624)	38.21380 (16052806)	42.83989
(16052806)	42.23315 (16021102)	70.58468 (17020408)	
3601347.5	31.12223 (17011608)	38.58634 (16052806)	36.75240
(15123108)	38.96242 (15041007)	82.90751 (17020408)	
3601097.5	33.27603 (16052806)	33.37076 (15123108)	33.48355
(15020621)	49.20504 (17020408)	80.17321 (17020408)	

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*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP10 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): SP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS)
508618.86	508868.86		508368.86
3606097.5 (15123009)	38.09853 (15082706)	67.08799 (17022408)	25.18470
3605847.5 (17022408)	15.75828 (15123009)	56.62092 (17032607)	54.19809
3605597.5 (16020207)	95.95390 (17021508)	109.06973 (16120908)	92.22777
3605347.5 (17022408)	34.77914 (16091507)	120.68789 (17032607)	88.44998
3605097.5 (17022408)	126.06708 (17021508)	139.11501 (16120908)	55.72149
3604847.5 (17022408)	131.84582 (15010907)	116.25281 (17032607)	66.76161
3604597.5 (15092607)	93.99668 (17010724)	157.00021 (16120908)	94.99220
3604347.5 (16120206)	51.76746 (16091507)	126.60742 (17011124)	231.98962
3604097.5 (16021523)	171.08113 (15021508)	138.13711 (17070706)	1153.02992
3603847.5 (15012708)	45.35430 (17032607)	26.81548 (15021124)	3440.46667
3603597.5 (16052806)	193.51302 (15123006)	177.31725 (17021508)	1022.69236
3603347.5 (17122108)	74.58118 (17032607)	15.31272 (15022208)	538.40184
3603097.5 (15021703)	352.67396 (16120708)	257.31683 (15021508)	232.98399
3602847.5 (15011408)	136.77983 (17032607)	47.37609 (16111708)	169.69274
3602597.5 (15011408)	392.97884 (17020108)	598.56355 (16120708)	136.32189
3602347.5 (15120608)	258.39124 (17032607)	80.25151 (17020109)	108.56195
3602097.5 (15120608)	718.44825 (15120108)	756.31240 (15021008)	91.41981
3601847.5 (15120608)	1280.30665 (16120120)	337.29758 (17032121)	78.92950
3601597.5 (15120608)	507.80743 (17121208)	791.40218 (15013008)	68.28585
3601347.5 (15120608)	2574.12967 (16030702)	269.05954 (17103122)	60.73122
3601097.5 (15120608)	351.99173 (15010407)	652.13140 (16031707)	54.70080
3600847.5 (15120608)	339.15142 (15012817)	166.43085 (16040807)	46.61708
3600597.5 (15120608)	269.39041 (15032207)	273.86558 (15010508)	
3600347.5 (15120608)	599.21748 (17010608)	108.30515 (17020419)	
3600097.5 (15120608)	160.95030 (15010508)	189.86599 (15123108)	
3599847.5 (15120608)	345.19070 (17062106)	377.18261 (15121508)	
3599597.5 (15120608)	132.10014 (16052806)	165.86738 (17012608)	
3599347.5 (15120608)	194.14823 (17010308)	164.76393 (17010608)	
3599097.5 (15120608)	95.46128 (16021102)	149.19845 (17020408)	
3598847.5 (15120608)	145.88122 (17010308)	141.63908 (17010608)	
3598597.5 (15120608)	82.39261 (17012608)	98.72843 (17020408)	
3598347.5 (15120608)	115.69593 (17010308)	99.63596 (17010608)	
3598097.5 (15120608)	104.95147 (17020408)	65.04433 (16120822)	
3597847.5 (15120608)	91.48548 (17010308)	74.22782 (15020520)	
3597597.5 (15120608)	102.12147 (17020408)	54.80536 (15021703)	
3597347.5 (15120608)	74.76422 (17010308)	65.41033 (17062106)	
3597097.5 (15120608)	79.00686 (17020408)	49.50309 (16012208)	
3596847.5 (15120608)	62.59931 (17010308)	60.63625 (17062106)	
3596597.5 (15120608)	53.97329 (17020408)	46.42214 (16012208)	
3596347.5 (15120608)	53.26355 (17010308)	53.82058 (17062106)	
3596097.5 (15120608)	39.95636 (17111908)	42.92612 (16012208)	
3595847.5 (15120608)	46.29650 (17010308)	46.61708 (17062106)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SP10 ***

INCLUDING SOURCE(S): SP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS)
509868.86	510118.86		509618.86
3606097.5 (16111708)	14.01635 (17032607)	16.39719 (16083007)	13.31895
3605847.5 (17091007)	15.70247 (17020109)	10.01148 (17020109)	23.02843
3605597.5 (17020109)	12.73638 (16010705)	86.04804 (15122821)	36.01902
3605347.5 (16072606)	13.74050 (17020109)	12.05938 (17121809)	95.56327
3605097.5 (17012509)	79.71545 (15021924)	64.55240 (17060105)	22.47530
3604847.5 (17121809)	22.76875 (17121809)	19.22816 (17121809)	16.80793
3604597.5 (17032908)	110.91031 (15122821)	90.52403 (15092321)	25.95800
3604347.5 (17121809)	24.72730 (17012509)	17.47443 (17121809)	46.14392
3604097.5 (16040707)	36.63427 (16083007)	20.09650 (17020109)	46.79728
3603847.5 (17030408)	54.24043 (17090523)	17.57227 (15110508)	26.89019
3603597.5 (17062607)	27.60182 (17020109)	25.14788 (17121809)	52.25690
3603347.5 (15022408)	16.76657 (17032908)	17.17606 (15112909)	28.90293
3603097.5 (15031607)	27.51745 (16092207)	26.54994 (17121809)	156.78395
3602847.5 (17040307)	17.77907 (17122309)	25.95800 (17122309)	98.99397
3602597.5 (15011201)	52.87716 (17012609)	46.19452 (17100708)	98.48117
3602347.5 (17021408)	65.32745 (16040707)	58.38037 (16040707)	117.37752
3602097.5 (17021408)	106.67176 (17122309)	96.48795 (16040707)	92.93606
3601847.5 (16010602)	25.22647 (17082707)	23.81742 (17082707)	86.09823
3601597.5 (15121508)	115.76355 (15061006)	80.57427 (17030408)	306.68743
3601347.5 (15121508)	33.76866 (17030408)	26.89019 (17030408)	148.13441
3601097.5 (15121508)	85.72041 (15022408)	52.25690 (17062607)	151.84582
3600847.5 (15121508)	36.87547 (17062607)	28.90293 (15061907)	125.89996
3600597.5 (15121508)	165.40686 (16111408)	114.08052 (16040807)	156.78395
3600347.5 (15121508)	57.12414 (17122709)	86.09823 (15091922)	98.99397
3600097.5 (15121508)	63.63019 (16040518)	306.68743 (17040307)	98.48117
3599847.5 (16010602)	170.67093 (16040807)	148.13441 (15022202)	117.37752
3599597.5 (15121508)	257.78254 (15020908)	151.84582 (15011201)	92.93606
3599347.5 (15121508)	157.25136 (15031607)	125.89996 (17011308)	99.62987
3599097.5 (15121508)	158.44178 (15121508)	156.78395 (17021408)	77.26550
3598847.5 (15121508)	153.59508 (17040307)	98.99397 (16122817)	65.02907
3598597.5 (15121508)	105.35561 (15121508)	98.48117 (16010602)	51.27296
3598347.5 (15121508)	84.12386 (15011201)	117.37752 (17040307)	69.18255
3598097.5 (15121508)	72.22261 (17010608)	92.93606 (15121508)	46.09613
3597847.5 (15121508)	75.39202 (15021604)	99.62987 (15011201)	55.12333
3597597.5 (15121508)	74.15038 (17010608)	77.26550 (15121508)	47.36296
3597347.5 (15121508)	82.72843 (17021408)	65.02907 (17022803)	43.38371
3597097.5 (15121508)	63.84269 (17010608)	51.27296 (15121508)	41.39323
3596847.5 (15121508)	56.05117 (16010602)	69.18255 (17021408)	48.57815
3596597.5 (15121508)	50.29345 (17010608)	46.09613 (15011204)	
3596347.5 (15121508)	43.38371 (16010602)	55.12333 (17021408)	
3596097.5 (15121508)	41.39323 (15020520)	47.36296 (17010608)	
3595847.5 (15121508)	48.57815 (15121508)	43.75990 (16010602)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SP10 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): SP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 510368.86 510618.86 X-COORD (METERS) 510868.86

511118.86

3606097.5 | 12.31994 (17121809) 16.36164 (17121809) 13.36973
(17121809) 10.75284 (17032908)
3605847.5 | 17.71651 (17121809) 14.47274 (17121809) 11.84859
(17032908) 10.63606 (17032908)
3605597.5 | 15.81022 (17121809) 13.04368 (17032908) 10.71682
(17032908) 8.35301 (17100708)
3605347.5 | 14.36282 (17032908) 10.41105 (17032908) 10.34868
(17100708) 10.91134 (17100708)
3605097.5 | 10.76003 (17100708) 12.34866 (17100708) 14.17520
(17122309) 18.07930 (17122309)
3604847.5 | 20.24835 (16082307) 21.18475 (17122309) 25.26154
(16040707) 39.07237 (16040707)
3604597.5 | 40.05013 (16040707) 51.67403 (16040707) 43.55857
(16040707) 27.92629 (16040707)
3604347.5 | 32.38180 (16040707) 13.82167 (16040707) 15.01119
(17082707) 15.83228 (17082707)
3604097.5 | 21.15198 (16090707) 20.72784 (16090707) 19.42541
(16090707) 17.75756 (16090707)
3603847.5 | 23.04653 (17030408) 21.04200 (15062407) 19.51266
(15062407) 18.22973 (15062407)
3603597.5 | 26.12723 (15061907) 18.93999 (15061907) 16.45360
(17042907) 14.35828 (17042907)
3603347.5 | 43.72354 (17122709) 20.36879 (17082908) 13.33213
(17062607) 11.96176 (17062607)
3603097.5 | 39.44782 (15022408) 20.92288 (17122709) 20.72517
(17122709) 18.51798 (17122709)
3602847.5 | 136.43263 (16040807) 48.34803 (15022408) 40.80318
(15022408) 22.07147 (15022408)
3602597.5 | 70.60099 (15011223) 49.87607 (16040807) 56.73173
(16040807) 39.93815 (15022408)
3602347.5 | 82.32614 (16011523) 82.32610 (15031607) 40.97875
(15062224) 95.02228 (16040807)
3602097.5 | 125.26414 (17040307) 62.87450 (16011523) 57.46078
(17010220) 58.56100 (15031607)
3601847.5 | 85.12688 (17021919) 77.93724 (17040307) 53.66045
(17040307) 46.30032 (17010220)
3601597.5 | 55.81888 (17022803) 46.81452 (17040307) 69.10360
(17040307) 47.10337 (17040307)
3601347.5 | 53.46008 (17021408) 37.81605 (17022803) 39.37508
(17040307) 56.77762 (17040307)
3601097.5 | 51.45033 (17021408) 40.32596 (17011302) 33.99522
(15011201) 36.78968 (17040307)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP10 ***

INCLUDING SOURCE(S): SP10 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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

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

508226.78 3603955.63 1803.94718 (15120108)
507708.67 3603932.32 339.58952 (16020508)
506203.59 3603369.23 63.86944 (15011003)
507919.87 3604794.52 198.07483 (15021508)
507037.89 3604916.08 120.21775 (15120308)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP11 ***
INCLUDING SOURCE(S): SP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

Y-COORD (METERS) | 504118.86 504368.86 X-COORD (METERS) 504618.86

504868.86 505118.86

3606097.5 | 27.21598 (15020808) 26.93950 (16020408) 25.91236
(17010607) 32.14280 (17020308) 33.78134 (17020308)
3605847.5 | 37.15104 (15120108) 32.22742 (15120108) 32.45369
(15020808) 33.05237 (16020408) 34.19058 (16012908)
3605597.5 | 43.24844 (15120108) 47.22806 (15120108) 47.21867
(15120108) 44.04738 (15120108) 43.17786 (15020808)
3605347.5 | 31.14058 (17032907) 39.45866 (15120108) 49.26935
(15120108) 56.66316 (15120108) 61.36862 (15120108)
3605097.5 | 31.45143 (15012708) 31.61898 (17032907) 36.68443
(17032907) 38.45819 (15120108) 53.70725 (15120108)
3604847.5 | 36.74152 (15012708) 39.72010 (15012708) 40.86346
(15012708) 41.66428 (15012708) 43.96661 (15012708)
3604597.5 | 31.60900 (16020508) 36.65051 (16020508) 41.70990
(16020508) 47.98809 (16020508) 55.32561 (15012708)
3604347.5 | 28.44166 (15013008) 29.15316 (15013008) 31.01802
(16011524) 34.56219 (15022521) 38.99278 (16011524)
3604097.5 | 30.02153 (15013008) 33.77343 (15013008) 36.48307
(15013008) 40.42515 (15013008) 45.27987 (15013008)
3603847.5 | 36.85646 (17121208) 40.55398 (17121208) 46.42330
(17121208) 50.09359 (17121208) 57.22716 (17121208)
3603597.5 | 25.01132 (17010904) 27.07512 (17010904) 30.53738
(17010904) 33.43881 (17010904) 35.60383 (16121222)
3603347.5 | 29.52713 (17121708) 33.22599 (17121708) 36.89923
(17121708) 39.87911 (17121708) 42.65652 (17121708)

Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 25.12109 (17121708) 26.24659 (15011003) 28.48907
(15021021) 32.87606 (15021021) 34.54763 (15122019)
3602847.5 | 23.89869 (15122019) 25.24388 (17021301) 28.77128
(17122621) 30.18188 (16010301) 33.44482 (15012003)
3602597.5 | 23.25987 (17021924) 25.30174 (15012003) 29.01478
(15092907) 34.89647 (15092907) 36.10372 (15092907)
3602347.5 | 29.01301 (15092907) 31.04213 (15092907) 29.03454
(15092907) 29.86828 (15011108) 34.03395 (15011108)
3602097.5 | 22.97276 (15092907) 25.66198 (15011108) 30.30143
(17092807) 34.97440 (17092807) 40.99537 (15092707)
3601847.5 | 28.21630 (17092807) 31.44843 (17092807) 33.71775
(15092707) 45.16101 (15092707) 47.82373 (15092707)
3601597.5 | 29.56027 (15092707) 39.81852 (15092707) 43.39027
(15092707) 37.12064 (15092707) 29.79946 (15032207)
3601347.5 | 40.02122 (15092707) 37.43556 (15092707) 27.37109
(15092707) 25.45230 (15032207) 21.78012 (15032207)
3601097.5 | 29.86507 (15092707) 22.95207 (15032207) 21.29866
(15032207) 18.43550 (17122921) 19.97584 (17122924)

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Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP11 ***
INCLUDING SOURCE(S): SP11 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) |
506118.86 | 505368.86 505618.86 505868.86
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3606097.5 | 40.11343 (17040507) 41.26728 (17040507) 45.96537
(17020108) 48.31589 (15032407) 71.47667 (16120208)
3605847.5 | 42.22841 (17020308) 43.75960 (17010508) 48.57321
(17040507) 50.55124 (17020108) 55.95837 (15032407)
3605597.5 | 41.72194 (16020408) 45.70840 (16012908) 53.65568
(17020308) 59.20510 (15021008) 55.93740 (17020108)
3605347.5 | 57.94336 (15120108) 54.23787 (15020808) 52.65820
(16020408) 63.61249 (17020308) 68.89929 (17010508)
3605097.5 | 67.79886 (15120108) 82.53565 (15120108) 80.29013
(15120108) 70.97508 (15020808) 65.15946 (17122119)
3604847.5 | 43.26981 (17032907) 55.88516 (15120108) 84.00575
(15120108) 106.32602 (15120108) 113.46298 (15120108)
3604597.5 | 54.82967 (15012708) 61.21326 (15012708) 59.21633
(15012708) 62.80136 (17032907) 91.01874 (15120108)
3604347.5 | 49.12725 (16020508) 62.11609 (16020508) 72.49622
(16020508) 75.13408 (16020508) 90.68515 (15012708)
3604097.5 | 51.40199 (15013008) 61.76414 (15013008) 68.55787
(15013008) 67.84335 (15013008) 72.09815 (15013008)
3603847.5 | 65.64024 (17121208) 71.65861 (17121208) 75.25111
(17121208) 86.10290 (17121208) 96.39623 (17121208)
3603597.5 | 42.17070 (17122908) 48.13411 (17121708) 56.40762
(17121708) 69.19539 (17121708) 88.99586 (17121708)
3603347.5 | 44.15438 (17121708) 44.57900 (17121708) 49.64585
(15021021) 58.80342 (15021021) 67.63519 (17122621)

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3603097.5 | 36.70393 (17021301) 43.56421 (17122621) 47.81668
(15012003) 56.81123 (15010407) 66.63205 (16122906)
3602847.5 | 36.30235 (15010407) 43.14169 (15092907) 47.17726
(16122906) 58.05431 (15011108) 71.98500 (17121308)
3602597.5 | 36.75441 (15011108) 43.81203 (15011108) 50.31191
(17121308) 64.04764 (15092707) 76.73857 (15092707)
3602347.5 | 40.75999 (17092807) 50.90841 (15092707) 63.70486
(15092707) 53.16754 (15092707) 51.40128 (15032207)
3602097.5 | 53.06592 (15092707) 51.16791 (15092707) 43.90088
(15032207) 37.63315 (15032207) 36.72008 (15010718)
3601847.5 | 36.18024 (15092707) 34.33863 (15032207) 28.05440
(17122921) 31.33842 (15010718) 33.68871 (16032607)
3601597.5 | 26.82618 (15032207) 24.71364 (17122924) 26.56540
(15010718) 29.19501 (16032607) 33.78823 (15010508)
3601347.5 | 22.06996 (17122924) 23.19212 (17011023) 25.33638
(16032607) 29.18784 (15010508) 27.68440 (17012624)
3601097.5 | 20.84150 (17011023) 22.52566 (16032607) 26.10544
(15010508) 24.79173 (16121205) 26.40207 (17011608)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP11 ***
INCLUDING SOURCE(S): SP11 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

```

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

Y-COORD | X-COORD (METERS)
(METERS) |
507368.86 | 506618.86 506868.86 507118.86
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3606097.5 | 91.41986 (16120208) 65.17855 (16120708) 92.55546
(15021508) 128.88424 (15021508) 88.53359 (17021508)
3605847.5 | 81.31288 (16120208) 99.86210 (16120208) 76.63067
(16120708) 134.25389 (15021508) 99.80511 (16100607)
3605597.5 | 64.34326 (15032407) 92.06003 (17013108) 100.37127
(16120208) 117.34104 (16010223) 153.45416 (15021508)
3605347.5 | 70.39247 (15120308) 77.51679 (17020108) 114.51604
(17013108) 113.54421 (16120708) 107.71955 (15021508)
3605097.5 | 86.87072 (17020308) 97.64108 (15120308) 116.71854
(17020108) 151.32974 (17013108) 153.85931 (16120708)
3604847.5 | 98.03613 (15020808) 102.55817 (16012908) 132.98226
(15021008) 175.09219 (17020108) 271.10839 (17013108)
3604597.5 | 145.91298 (15120108) 179.95772 (15120108) 154.22328
(15020808) 193.15855 (17020308) 246.84385 (17020108)
3604347.5 | 105.79604 (15012708) 113.63966 (15012708) 174.50974
(15120108) 317.22142 (15120108) 306.05685 (15120108)
3604097.5 | 84.60559 (15013008) 101.46079 (15013008) 155.15697
(16020508) 210.83480 (16020508) 305.36571 (15012708)
3603847.5 | 107.02533 (17121208) 129.67027 (17121208) 159.26331
(17121208) 209.22483 (17121208) 292.75281 (17121208)
3603597.5 | 101.20310 (17121708) 110.31218 (17121708) 122.37886
(15021021) 145.68643 (17122621) 201.72928 (17021924)
3603347.5 | 81.00794 (17122621) 91.42943 (15010407) 117.71420
(16122906) 168.16061 (17121308) 207.42334 (16031707)

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Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 79.75018 (15011108) 99.65212 (17121308) 127.82974
(16031707) 131.56930 (15032207) 111.32111 (17011023)
3602847.5 | 90.34899 (16031707) 88.12983 (15032207) 87.01860
(15032207) 80.24795 (17020101) 92.51822 (15010508)
3602597.5 | 68.10870 (15032207) 55.67763 (17122924) 63.28116
(15121802) 72.46983 (15010508) 86.34898 (16052806)
3602347.5 | 44.87695 (17122924) 48.99691 (16032607) 59.14281
(15010508) 61.99590 (16052806) 67.93155 (15123108)
3602097.5 | 39.44968 (16032607) 47.71644 (15010508) 45.92617
(15021520) 57.56369 (16052806) 55.66093 (15020621)
3601847.5 | 39.43528 (15010508) 38.52356 (15012007) 47.64333
(16052806) 45.61104 (15123108) 51.94339 (15011308)
3601597.5 | 32.09734 (15012007) 38.69630 (16052806) 39.84229
(15123108) 40.26799 (15020621) 74.37840 (17020408)
3601347.5 | 30.45646 (16052806) 36.83785 (16052806) 34.72299
(16021102) 38.76762 (15041007) 82.75159 (17020408)
3601097.5 | 32.56906 (16052806) 32.12898 (15123108) 32.18333
(15020621) 53.84917 (17020408) 76.44410 (17020408)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP11 ***
INCLUDING SOURCE(S): SP11 ,

```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) |
508618.86 | 508868.86
508618.86 | 508118.86
508618.86 | 508368.86

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3606097.5 | 45.64802 (17070706) 64.85439 (17022408) 25.63296
(15123009) 16.45731 (15123009) 58.11168 (17032607)
3605847.5 | 109.39191 (17021508) 133.66837 (16120908) 59.11915
(17022408) 40.38863 (15111919) 121.64286 (17032607)
3605597.5 | 125.44403 (17021508) 149.17318 (16120908) 95.07117
(16020207) 119.72543 (15010907) 115.87397 (17120924)
3605347.5 | 97.88999 (16100607) 155.97769 (16120908) 96.38595
(17022408) 54.51257 (16091507) 152.38617 (17011124)
3605097.5 | 184.54937 (15021508) 170.26279 (16012808) 59.49789
(17022408) 50.04969 (17032607) 28.17687 (16010705)
3604847.5 | 229.94270 (15011206) 214.44287 (16100607) 76.09702
(15092607) 85.42652 (17032607) 21.25724 (16111708)
3604597.5 | 401.90264 (17013108) 287.09941 (15021508) 99.06882
(15092607) 165.16170 (17032607) 54.56688 (16111708)
3604347.5 | 386.22805 (15021008) 671.24410 (17013108) 340.20060
(17092922) 303.32230 (17032607) 76.12565 (16092207)
3604097.5 | 592.99280 (15120108) 927.64386 (15120108) 1892.76396
(16120708) 1599.90167 (16120518) 470.68176 (17110207)
3603847.5 | 450.70059 (17121208) 717.61582 (17121708) 2088.81051
(17122621) 4174.68810 (16123020) 410.89054 (17051401)
3603597.5 | 341.13072 (15011108) 486.44734 (15032207) 673.82823
(16021102) 392.73050 (15092522) 259.65594 (16013009)
3603347.5 | 184.14354 (17122924) 253.30809 (16052806) 399.24996
(17122108) 483.90446 (17062106) 108.44551 (15122118)

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3603097.5 | 132.05645 (15012007) 167.07555 (16021102) 208.89283
(16012208) 308.53640 (17010308) 329.10486 (15121508)
3602847.5 | 117.86588 (16052806) 156.25966 (17020408) 155.95716
(15011408) 178.60069 (17010308) 165.24902 (17010608)
3602597.5 | 87.92526 (15020621) 136.79590 (17020408) 125.40789
(15011408) 135.08215 (17010308) 129.12759 (17010608)
3602347.5 | 84.58717 (17020408) 84.72119 (17020408) 101.96378
(15120608) 107.50015 (17010308) 86.78435 (17010608)
3602097.5 | 105.77272 (17020408) 61.14726 (16120822) 86.90318
(15120608) 85.68062 (17010308) 70.25607 (17062106)
3601847.5 | 96.15922 (17020408) 52.09489 (15021703) 75.09251
(15120608) 70.34101 (17010308) 63.13874 (17062106)
3601597.5 | 71.31404 (17020408) 48.14032 (16012208) 65.35455
(15120608) 59.12314 (17010308) 57.89361 (17062106)
3601347.5 | 47.72231 (17020408) 44.74367 (16012208) 57.98715
(15120608) 50.59110 (17010308) 51.23208 (17062106)
3601097.5 | 38.02662 (17111908) 41.19663 (16012208) 52.28224
(15120608) 43.63804 (17010308) 44.42189 (17062106)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP11 ***
INCLUDING SOURCE(S): SP11 ,

```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) |
509618.86 | 509368.86
509618.86 | 509118.86
509618.86 | 510118.86

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3606097.5 | 12.05469 (17032607) 18.42478 (16083007) 13.43244
(17020109) 15.55643 (17020109) 8.95592 (17020109)
3605847.5 | 12.77352 (16010705) 89.80803 (15122821) 22.75373
(17091007) 12.70990 (17020109) 14.34328 (17121809)
3605597.5 | 90.66583 (15021924) 77.70742 (15052306) 45.26627
(16101307) 28.76721 (17121809) 19.98575 (17121809)
3605347.5 | 129.38251 (15122821) 106.17332 (17032207) 106.31491
(16072606) 24.15568 (17012509) 14.88829 (17121809)
3605097.5 | 37.21001 (16083007) 18.03402 (17020109) 28.47326
(17012509) 66.09049 (15090405) 19.03811 (15110508)
3604847.5 | 27.83100 (17020109) 29.54995 (17121809) 20.04174
(17032908) 14.18701 (17032908) 30.44966 (17100708)
3604597.5 | 34.91490 (17121809) 24.82220 (17032908) 18.58511
(17100708) 25.61417 (17122309) 34.81801 (16040707)
3604347.5 | 52.14868 (15082707) 48.41155 (17100708) 64.98230
(16040707) 68.90016 (16040707) 38.00127 (16040707)
3604097.5 | 252.57803 (16040707) 60.62270 (17082707) 30.72371
(17082707) 26.44316 (16090707) 25.37760 (16090707)
3603847.5 | 167.78160 (15082523) 85.56898 (15062407) 36.33268
(15062407) 31.84333 (15062407) 28.43681 (15062407)
3603597.5 | 139.87427 (16040807) 51.37630 (16021802) 67.66684
(17122709) 39.62207 (17062607) 24.22749 (15020117)
3603347.5 | 96.43043 (16013009) 70.76261 (15012409) 182.35511
(16040807) 58.34994 (15022408) 101.71627 (15012119)

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Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 58.19559 (17020419) 353.95844 (17040307) 174.89035
(15031607) 187.09825 (17011308) 161.45312 (16121122)
3602847.5 | 224.93343 (15121506) 139.29913 (17022803) 177.12610
(17040307) 126.47787 (16122817) 113.17681 (15031607)
3602597.5 | 147.63337 (15121508) 137.51687 (17021408) 101.55489
(17022803) 145.00925 (17040307) 98.16804 (16011523)
3602347.5 | 88.66417 (15121508) 84.89830 (16010602) 118.60650
(17021408) 78.93644 (15011201) 108.72510 (17040307)
3602097.5 | 73.84573 (17010608) 89.75589 (15121508) 76.70175
(16010602) 83.87917 (17021408) 104.53985 (15011201)
3601847.5 | 71.24166 (17010608) 68.93307 (15121508) 60.46664
(15121508) 73.85223 (17021408) 61.78120 (15021604)
3601597.5 | 59.24843 (17010608) 50.18242 (15022808) 62.51225
(15121508) 53.40305 (16010602) 67.86665 (17021408)
3601347.5 | 45.73839 (17010608) 46.75409 (17010608) 51.06983
(15121508) 45.44196 (15121508) 48.56885 (15020908)
3601097.5 | 39.72164 (15020520) 46.57979 (17010608) 37.42570
(15022808) 48.22690 (15121508) 40.44984 (16010602)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP11 ***
INCLUDING SOURCE(S): SP11 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) |
511118.86 | 510368.86 510618.86 510868.86

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3606097.5 | 14.04346 (17121809) 16.55732 (17121809) 12.07563
(17121809) 11.22349 (17032908)
3605847.5 | 18.10697 (17121809) 12.94969 (17121809) 12.13674
(17032908) 9.73994 (17032908)
3605597.5 | 13.78819 (17121809) 13.12563 (17032908) 9.50377
(17032908) 9.24412 (17100708)
3605347.5 | 13.93936 (17032908) 9.43468 (17100708) 11.22332
(17100708) 10.99507 (17100708)
3605097.5 | 12.32554 (17100708) 12.75915 (17100708) 17.54283
(17122309) 19.03128 (17122309)
3604847.5 | 22.14467 (16082307) 22.11714 (17122309) 37.89060
(16040707) 44.76607 (16040707)
3604597.5 | 54.51330 (16040707) 49.22670 (16040707) 31.70026
(16040707) 16.48795 (16040707)
3604347.5 | 15.25510 (17082707) 17.22748 (17082707) 17.60313
(17082707) 16.93257 (17082707)
3604097.5 | 22.93105 (16090707) 20.12126 (16090707) 17.38682
(16121409) 15.87404 (16121409)
3603847.5 | 25.73702 (15062407) 23.56259 (15062407) 21.76827
(15062407) 20.27330 (15062407)
3603597.5 | 23.05805 (15061907) 19.15023 (15061907) 16.37754
(15061907) 13.70859 (15061907)
3603347.5 | 49.04983 (17122709) 20.22338 (17122709) 15.48922
(17122709) 12.47877 (17062607)

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3603097.5 | 53.23837 (15022408) 30.15786 (15022408) 19.60203
(17122709) 19.32301 (17122709)
3602847.5 | 125.97701 (16040807) 56.06713 (16040807) 46.16065
(15022408) 33.78552 (15022408)
3602597.5 | 85.48462 (15011223) 33.40233 (16040807) 55.42330
(16040807) 47.77646 (16040807)
3602347.5 | 88.53262 (17040307) 83.87319 (17010220) 46.40923
(16071324) 73.14107 (16040807)
3602097.5 | 122.23495 (17040307) 71.64701 (17040307) 56.40044
(17010220) 57.10822 (15031607)
3601847.5 | 87.03854 (15011201) 71.70630 (17040307) 60.24569
(17040307) 44.44279 (16011523)
3601597.5 | 54.31718 (17022803) 46.13335 (15011201) 63.13014
(17040307) 51.60320 (17040307)
3601347.5 | 56.36150 (17021408) 38.86382 (17022803) 38.33190
(15011201) 52.03719 (17040307)
3601097.5 | 46.76725 (17021408) 43.92726 (17021408) 32.86897
(17022803) 34.95158 (15011201)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP11 ***
INCLUDING SOURCE(S): SP11 ,
*** DISCRETE CARTESIAN RECEPTOR

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POINTS ***

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

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

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508226.78 3603955.63 1427.69203 (15012708)
507708.67 3603932.32 326.91902 (17121208)
506203.59 3603369.23 61.91415 (15021021)
507919.87 3604794.52 219.45274 (17010802)
507037.89 3604916.08 123.14480 (15021008)

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP15 ***
INCLUDING SOURCE(S): SP15 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)

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Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	504118.86	504368.86	504618.86
504868.86	505118.86		
3606097.5	27.76909 (15011008)	31.52284 (16012908)	38.03632
(17020308)	38.81916 (17010508)	46.76461 (17040507)	
3605847.5	35.09324 (15020808)	35.75410 (16020408)	33.30832
(15011008)	41.32963 (16012908)	48.28522 (17020308)	
3605597.5	45.46615 (15120108)	39.56247 (15040607)	43.98869
(15020808)	46.70410 (16020408)	44.87510 (17122119)	
3605347.5	52.43343 (15120108)	58.19181 (15120108)	57.81662
(15120108)	47.81748 (15120108)	54.81329 (15020808)	
3605097.5	40.63763 (17032907)	42.67772 (17032907)	54.36785
(15120108)	66.19809 (15120108)	73.60801 (15120108)	
3604847.5	40.68800 (15012708)	41.07671 (16122808)	41.05649
(17032907)	49.31711 (17032907)	56.81637 (17032907)	
3604597.5	45.27922 (16020508)	49.20793 (15012708)	54.91294
(15012708)	59.96095 (15012708)	61.95391 (15012708)	
3604347.5	33.91279 (16022705)	37.58142 (16020508)	47.32921
(16020508)	58.11434 (16020508)	69.39885 (16020508)	
3604097.5	38.19138 (15013008)	41.29871 (15013008)	42.26602
(15013008)	45.13501 (16121105)	50.39785 (15022521)	
3603847.5	37.52586 (17121208)	40.84539 (17121208)	45.67927
(17121208)	49.22483 (15013008)	57.79820 (15013008)	
3603597.5	42.24661 (17121208)	45.45755 (17121208)	50.83830
(17121208)	55.14602 (17121208)	58.74339 (17121208)	
3603347.5	31.69910 (17010904)	34.88861 (16011622)	38.52902
(16121222)	42.98765 (16121222)	49.92312 (17122908)	
3603097.5	39.62849 (17121708)	42.70607 (17121708)	44.50776
(17121708)	47.24110 (17121708)	46.61823 (15120823)	
3602847.5	31.76804 (15011003)	34.59653 (15021021)	38.39271
(15021021)	41.22152 (15122019)	43.89211 (17021301)	
3602597.5	30.55340 (17021301)	33.77352 (17122621)	36.38066
(16031807)	40.61364 (15012003)	44.04252 (15010407)	
3602347.5	30.61539 (15012003)	32.71342 (15010407)	42.08753
(15092907)	44.89432 (15092907)	43.26101 (17121504)	
3602097.5	39.49795 (15092907)	35.48900 (15092907)	34.58920
(17121504)	39.65120 (15011108)	49.26687 (17092807)	
3601847.5	29.73080 (15011108)	33.00031 (15011108)	43.49998
(17092807)	41.10958 (17092807)	60.83739 (15092707)	
3601597.5	39.82238 (17092807)	37.31275 (17092807)	49.89210
(15092707)	61.57784 (15092707)	47.59821 (15092707)	
3601347.5	42.42574 (15092707)	55.68662 (15092707)	50.24086
(15092707)	35.79387 (15032207)	33.36216 (15032207)	
3601097.5	50.44894 (15092707)	34.91626 (15092707)	31.44290
(15032207)	26.11469 (15032207)	26.12928 (16011423)	

*** AERMOD - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP15
INCLUDING SOURCE(S): SP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		
3606097.5	44.53048 (17040507)	55.56888 (17020108)	54.88685
(15032407)	69.23783 (17013108)	109.19273 (16120208)	
3605847.5	50.94428 (15021008)	56.96242 (17040507)	62.59812
(17020108)	57.38927 (15032407)	80.94230 (17013108)	
3605597.5	55.66983 (17020308)	59.44862 (17010508)	67.72068
(17040507)	69.44214 (17020108)	64.87723 (15032407)	
3605347.5	57.30964 (16020408)	57.79504 (17010607)	74.93781
(17020308)	79.53756 (15021008)	79.08777 (16021022)	
3605097.5	65.67720 (15120108)	71.90408 (15020808)	72.60281
(16020408)	80.40836 (16012908)	91.59917 (17010508)	
3604847.5	72.18020 (15120108)	93.27741 (15120108)	100.97153
(15120108)	91.73350 (15020808)	93.31226 (16020408)	
3604597.5	54.22493 (16122808)	68.11568 (17032907)	71.53317
(15120108)	117.06417 (15120108)	145.80574 (15120108)	
3604347.5	77.30378 (16020508)	89.27387 (15012708)	95.38745
(15012708)	79.72498 (16122808)	99.51976 (17032907)	
3604097.5	57.20165 (15022521)	68.11765 (15012202)	78.42360
(16020508)	92.50087 (16020508)	111.28464 (16020508)	
3603847.5	67.51368 (15013008)	76.21823 (15013008)	83.18203
(15013008)	97.34815 (15013008)	110.16802 (15013008)	
3603597.5	66.09100 (17121208)	69.88514 (17121208)	75.16816
(17121208)	84.10147 (17121208)	101.15668 (17121208)	
3603347.5	57.91176 (17122908)	69.42209 (17121708)	82.11676
(17121708)	97.80403 (17121708)	106.63599 (17121708)	
3603097.5	50.59335 (15011003)	59.38128 (15021021)	65.40753
(15122019)	77.09951 (17122621)	89.74054 (17122621)	
3602847.5	49.20809 (17122621)	57.18767 (15012003)	63.68025
(15010407)	74.56169 (15121423)	90.93431 (17121504)	
3602597.5	52.38521 (15092907)	56.31358 (16122906)	62.61043
(15011108)	76.94604 (17121308)	94.59471 (16031707)	
3602347.5	50.26760 (15011108)	58.19238 (17121308)	66.29277
(16031707)	93.50472 (15092707)	77.40748 (15032207)	
3602097.5	48.75886 (16031707)	74.36840 (15092707)	72.10988
(15092707)	62.05281 (15032207)	49.97305 (17122921)	
3601847.5	67.54601 (15092707)	50.35720 (15032207)	45.84435
(15032207)	42.08128 (17122924)	46.01876 (17011023)	
3601597.5	41.84834 (15032207)	33.97713 (16020522)	36.76337
(17122924)	39.29950 (17020101)	41.75979 (16032607)	
3601347.5	29.30274 (17122921)	31.90472 (17122924)	33.93792
(17020101)	35.78639 (16032607)	41.18622 (15010508)	
3601097.5	28.82916 (15010718)	29.97712 (17020101)	31.70494
(16032607)	37.15482 (15010508)	36.06020 (15012007)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP15
INCLUDING SOURCE(S): SP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		
3606097.5	76.27638 (16120708)	64.73992 (16010223)	163.22367
(15021508)	72.42537 (15121303)	136.25258 (17021508)	
3605847.5	115.54962 (16120208)	88.91710 (16120708)	87.07261
(17013021)	158.98310 (15021508)	116.07390 (16020419)	
3605597.5	96.47588 (17013108)	117.98056 (16120208)	87.99913
(16010908)	170.84917 (15021508)	129.70975 (16100607)	
3605347.5	89.36305 (17020108)	117.76439 (17013108)	111.49230
(16120208)	101.13521 (16010223)	152.77211 (15021508)	
3605097.5	101.18622 (15120308)	125.22309 (17020108)	176.26877
(17013108)	155.95856 (16120708)	148.45564 (15011121)	
3604847.5	119.06019 (17020308)	137.00899 (15021008)	174.31145
(17020108)	255.01529 (17013108)	262.41463 (16120708)	
3604597.5	132.20078 (15020808)	130.39619 (15011008)	176.92485
(17010508)	225.31766 (17020108)	366.79059 (17013108)	
3604347.5	131.71111 (15120108)	209.24207 (15120108)	198.97937
(15120108)	237.09159 (16012908)	318.51578 (15120308)	
3604097.5	134.01320 (15012708)	176.40519 (15012708)	186.56297
(17032907)	312.33485 (15120108)	444.50931 (15120108)	
3603847.5	117.73517 (15013008)	142.58288 (15013008)	163.26096
(15013008)	213.43221 (15022521)	401.59881 (16020508)	
3603597.5	111.20326 (16010120)	132.72023 (17010904)	169.91480
(17010904)	217.05009 (17122908)	359.24016 (17121708)	
3603347.5	113.66971 (15011003)	130.01141 (15021021)	166.66699
(17122621)	223.83903 (15012003)	270.82217 (15011108)	
3603097.5	108.70387 (15010407)	127.51884 (16122906)	157.85824
(15011108)	218.63537 (16031707)	223.79451 (15032207)	
3602847.5	106.70094 (17121308)	135.38875 (16031707)	141.40665
(15032207)	117.48077 (17122921)	135.31787 (16032607)	
3602597.5	107.22274 (15092707)	106.19948 (15032207)	93.15519
(17122924)	99.14964 (16032607)	111.50822 (15021520)	
3602347.5	68.60899 (15032207)	70.57648 (15010718)	77.27733
(16032607)	83.87476 (15012007)	103.08340 (16052806)	
3602097.5	54.58200 (15010718)	60.77461 (16032607)	64.82253
(17012624)	82.53171 (16052806)	81.83419 (16021102)	
3601847.5	49.44207 (16032607)	54.56740 (16121205)	58.68651
(16052806)	68.04640 (15123108)	68.81353 (16011205)	
3601597.5	46.73413 (15010508)	48.93820 (17011608)	58.47357
(16052806)	57.81023 (16021102)	73.78562 (17020408)	
3601347.5	41.54330 (15021520)	51.12450 (16052806)	50.36074
(15123108)	51.13773 (16011205)	108.12336 (17020408)	
3601097.5	41.35116 (16052806)	43.61103 (15123108)	45.37619
(16021102)	50.74224 (15011308)	107.67509 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP15

INCLUDING SOURCE(S): SP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
3606097.5	63.91106 (16120206)	94.71911 (17022408)	32.26517
(15123009)	17.22524 (15091407)	72.10802 (17032607)	
3605847.5	102.26115 (15010104)	116.74391 (15022305)	69.98374
(15123009)	51.11243 (15110104)	142.68711 (17032607)	
3605597.5	124.69409 (17021508)	122.70426 (16120908)	109.85647
(16020207)	122.92556 (15010907)	126.82864 (17120924)	
3605347.5	147.29200 (17021508)	172.20528 (16120908)	82.21196
(15123009)	68.38788 (16091507)	166.18642 (17011124)	
3605097.5	147.56264 (15121303)	199.01787 (16120908)	45.94995
(17022408)	52.86357 (17032607)	31.51368 (15021124)	
3604847.5	270.66776 (15021508)	238.69319 (16012808)	93.12185
(15123009)	92.85258 (17032607)	17.08670 (15042507)	
3604597.5	326.07515 (17021107)	211.45460 (17021508)	96.08401
(17022408)	154.63247 (17032607)	44.83651 (16111708)	
3604347.5	565.40643 (17013108)	486.17678 (16021523)	348.58948
(16031803)	196.47548 (17032607)	99.66061 (17020109)	
3604097.5	582.57905 (17020308)	1062.93062 (17013108)	1242.05652
(16120908)	1043.31246 (16120120)	463.10736 (17040402)	
3603847.5	712.09787 (15012708)	1608.53379 (15120108)	3494.58709
(16120708)	2340.84394 (15101307)	444.47803 (16040707)	
3603597.5	605.28264 (17121708)	843.85208 (17122621)	2093.32511
(17020101)	755.84895 (15022020)	187.81492 (17122709)	
3603347.5	460.45124 (16031707)	425.48238 (16032607)	962.54176
(17122108)	1054.70231 (15121508)	166.79996 (17120417)	
3603097.5	219.54357 (16032607)	302.78680 (15123108)	374.64482
(15021703)	503.08162 (16121020)	573.63807 (17021408)	
3602847.5	180.91788 (16052806)	228.80900 (17012608)	260.01892
(15011408)	267.55371 (17062106)	304.63622 (15121508)	
3602597.5	132.43786 (16021102)	208.41274 (17020408)	198.31731
(15011408)	185.02381 (17062106)	165.82513 (15011204)	
3602347.5	106.09654 (15011308)	112.44261 (16121322)	155.79404
(15120608)	152.63749 (17010308)	154.45359 (17010608)	
3602097.5	131.77390 (17020408)	90.90990 (15122105)	129.21771
(15120608)	125.76515 (17010308)	102.61829 (16121020)	
3601847.5	138.92154 (17020408)	76.14781 (15021703)	109.50680
(15120608)	104.44589 (17010308)	84.76101 (15020520)	
3601597.5	94.26515 (17020408)	66.65126 (16012208)	92.84360
(15120608)	88.14677 (17010308)	73.14809 (15021701)	
3601347.5	61.22848 (17111908)	63.55889 (16012208)	81.17878
(15120608)	74.71754 (17010308)	68.95203 (17062106)	
3601097.5	50.85116 (17111908)	58.15309 (16012208)	72.20357
(15120608)	64.38665 (17010308)	62.05658 (17062106)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP15

INCLUDING SOURCE(S): SP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
3606097.5	10.10022 (15092508)	16.06331 (16071106)	17.12823
(16111708)	20.12552 (17020109)	11.33570 (17020109)	
3605847.5	15.46490 (16010705)	106.99789 (15122821)	29.53720
(17091007)	17.14750 (17020109)	11.28023 (16092207)	
3605597.5	107.50678 (15021924)	86.51193 (17060105)	46.50960
(17020109)	24.58902 (15022123)	21.32228 (17121809)	
3605347.5	135.66873 (15122821)	109.94814 (15092321)	121.69395
(17022521)	30.93518 (16092207)	24.06089 (17121809)	
3605097.5	44.96071 (16083007)	25.81445 (17020109)	37.38082
(16092207)	63.55748 (17040402)	20.30646 (17032908)	
3604847.5	33.25262 (17020109)	20.98345 (16092207)	31.93028
(17121809)	23.11128 (17032908)	24.76059 (15082707)	
3604597.5	24.47273 (17020109)	38.52932 (17121809)	25.42281
(17032908)	19.46062 (17100708)	20.41569 (17122309)	
3604347.5	56.39326 (17012609)	48.08755 (15082707)	25.85106
(17100708)	41.26918 (17032608)	69.49698 (16040707)	
3604097.5	98.74023 (16042822)	59.69965 (17032608)	102.75839
(16040707)	38.15008 (16040707)	19.69696 (17082707)	
3603847.5	165.74546 (16070106)	94.91265 (17082707)	66.04339
(17082707)	35.51966 (16090707)	29.28411 (16121409)	
3603597.5	80.73100 (15061907)	64.58130 (16011317)	57.47952
(16052106)	47.31568 (16052106)	35.57869 (16052106)	
3603347.5	174.66066 (16040807)	97.50367 (15022408)	180.94175
(17040401)	67.78931 (17122709)	111.90814 (15051124)	
3603097.5	99.56059 (17120417)	371.76937 (15031607)	283.59388
(15121020)	216.05814 (15022202)	173.37181 (15012119)	
3602847.5	406.26298 (17021408)	272.46812 (17040307)	179.40766
(17010220)	209.61317 (17011308)	199.47256 (16040807)	
3602597.5	191.48407 (16010602)	159.94748 (17022803)	197.92649
(17040307)	147.62636 (16011523)	137.81872 (15031607)	
3602347.5	160.69429 (15121508)	151.68520 (17021408)	126.21863
(17022803)	141.16321 (17040307)	109.15667 (16011523)	
3602097.5	95.98943 (16011102)	96.57568 (16010602)	141.71095
(17021408)	95.54057 (15011201)	154.10075 (17040307)	
3601847.5	84.73761 (15011204)	107.13109 (15121508)	92.50138
(16010602)	93.66062 (17021408)	86.10762 (15011201)	
3601597.5	85.69439 (17010608)	78.71690 (15121508)	65.66278
(17011123)	82.68582 (17021408)	71.06159 (15021604)	
3601347.5	73.38231 (17010608)	63.36235 (15022808)	72.45671
(15121508)	66.06919 (16010602)	83.69533 (17021408)	
3601097.5	55.22379 (15120302)	54.50590 (15011204)	61.50371
(15121508)	50.18859 (17011123)	58.39403 (15020908)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP15
INCLUDING SOURCE(S): SP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

(METERS)	510368.86	510618.86	510868.86
511118.86			
3606097.5	12.17688 (16092207)	19.80142 (17121809)	17.86397
(17121809)	12.18007 (17012609)		
3605847.5	20.62069 (17121809)	19.50839 (17121809)	13.40087
(17032908)	14.47278 (17032908)		
3605597.5	21.52197 (17121809)	15.35237 (17032908)	14.84983
(17032908)	9.45133 (15082707)		
3605347.5	17.65413 (17032908)	14.62809 (17032908)	9.65307
(17100708)	12.97022 (17100708)		
3605097.5	14.05933 (15082707)	13.39310 (17100708)	15.27633
(17100708)	16.18658 (17122309)		
3604847.5	19.31085 (15112909)	18.08294 (17122309)	25.95690
(17122309)	22.93983 (16091707)		
3604597.5	31.04580 (17122309)	38.04750 (16040707)	60.89653
(16040707)	52.16725 (16040707)		
3604347.5	68.81448 (16040707)	33.63659 (16040707)	10.72196
(16040707)	11.62989 (17082707)		
3604097.5	24.46487 (17082707)	25.26236 (17082707)	23.33948
(17082707)	20.31276 (16090707)		
3603847.5	25.72177 (16121409)	23.26047 (17030408)	22.76370
(17030408)	22.10524 (17030408)		
3603597.5	27.29685 (15012317)	25.56345 (15062407)	24.70291
(15062407)	23.85608 (15062407)		
3603347.5	59.02658 (17050123)	20.95988 (15061907)	17.62832
(15061907)	16.95948 (15061907)		
3603097.5	62.31616 (17122709)	28.07016 (17122709)	21.17846
(17122709)	15.86160 (17062607)		
3602847.5	151.47137 (15022202)	44.60922 (15022408)	20.75347
(17122709)	24.19160 (17122709)		
3602597.5	113.79610 (16040807)	78.75763 (16040807)	55.76065
(15022408)	48.73200 (15022408)		
3602347.5	99.09218 (15031607)	105.64164 (16120121)	62.60325
(17030301)	133.18992 (16040807)		
3602097.5	116.85070 (15013119)	79.92580 (17010220)	81.01260
(15031607)	79.51280 (17011308)		
3601847.5	126.32343 (17040307)	81.96447 (17040307)	63.02096
(16122817)	60.82054 (15031607)		
3601597.5	76.43761 (15011201)	75.12046 (17040307)	77.38747
(17040307)	53.13091 (16011523)		
3601347.5	60.33598 (17022803)	53.79337 (15011201)	61.39519
(17040307)	66.86611 (17040307)		
3601097.5	64.80519 (17021408)	52.45499 (17022803)	46.11404
(15011201)	56.08390 (17040307)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP15
INCLUDING SOURCE(S): SP15 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD
(M)	Y-COORD (M)	CONC	(YYMMDDHH)	
508226.78	3603955.63	1724.96388	(17013108)	
507708.67	3603932.32	420.15715	(17032907)	
506203.59	3603369.23	103.99760	(17121708)	
507919.87	3604794.52	258.72302	(15021508)	
507037.89	3604916.08	160.42608	(17020108)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 *** *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SP16

INCLUDING SOURCE(S): SP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504868.86	504118.86
	504368.86
	504618.86

3606097.5	27.14704 (15011008)	30.50556 (17010607)	37.08737
(17020308)	37.24919 (17010508)	44.03425 (17040507)	
3605847.5	34.78567 (15020808)	35.87027 (16020408)	32.74024
(15011008)	39.25299 (16012908)	47.50732 (17020308)	
3605597.5	46.76581 (15120108)	40.72965 (15040607)	42.77333
(15020808)	45.94270 (16020408)	43.07093 (15011008)	
3605347.5	48.92800 (15120108)	56.76978 (15120108)	58.58153
(15120108)	50.65574 (15120108)	52.68987 (15020808)	
3605097.5	38.96253 (17032907)	41.84185 (17032907)	49.19619
(15120108)	63.40579 (15120108)	73.50844 (15120108)	
3604847.5	40.30450 (15012708)	40.07756 (16122808)	38.09175
(17032907)	46.93714 (17032907)	55.50751 (17032907)	
3604597.5	44.13185 (16020508)	46.77429 (15012708)	52.81931
(15012708)	58.44180 (15012708)	61.20074 (15012708)	
3604347.5	32.82295 (15012202)	35.55334 (16022705)	43.79462
(16020508)	54.29287 (16020508)	65.74254 (16020508)	
3604097.5	37.25016 (15013008)	40.32139 (15013008)	41.32618
(15013008)	43.38877 (16121105)	47.72421 (15022521)	
3603847.5	37.13870 (17121208)	40.08441 (17121208)	45.02396
(17121208)	47.32899 (17121208)	53.96164 (15013008)	
3603597.5	40.42405 (17121208)	43.10346 (17121208)	47.54420
(17121208)	51.79967 (17121208)	55.11591 (17121208)	
3603347.5	30.61261 (16011622)	33.64766 (16011622)	37.27272
(16121222)	41.32299 (16121222)	48.24124 (17122908)	
3603097.5	38.40406 (17121708)	41.24542 (17121708)	42.90872
(17121708)	44.97649 (17121708)	44.68729 (15120823)	
3602847.5	30.74207 (15011003)	33.41754 (15021021)	36.93023
(15021021)	39.61775 (15122019)	42.16833 (17021301)	
3602597.5	29.58793 (17021301)	32.63881 (17122621)	35.06119
(16031807)	39.02479 (15012003)	42.27070 (15010407)	
3602347.5	29.65827 (15012003)	31.65702 (15010407)	40.84697
(15092907)	43.95948 (15092907)	41.49906 (17121504)	

3602097.5	38.63924 (15092907)	35.21602 (15092907)	33.57551
(17121504)	38.33901 (15011108)	47.31976 (17092807)	
3601847.5	28.69698 (15011108)	32.05029 (15011108)	42.13791
(17092807)	41.01980 (17092807)	57.67458 (15092707)	
3601597.5	38.70233 (17092807)	37.23160 (17092807)	47.41926
(15092707)	60.14915 (15092707)	48.45919 (15092707)	
3601347.5	40.30999 (15092707)	54.13102 (15092707)	50.24240
(15092707)	34.69854 (15032207)	33.06387 (15032207)	
3601097.5	49.90175 (15092707)	35.74573 (15092707)	30.76123
(15032207)	25.99193 (15032207)	25.31648 (17122921)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SP16

INCLUDING SOURCE(S): SP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86
	505618.86
	505868.86

3606097.5	47.34869 (17040507)	52.56513 (17020108)	49.58127
(15032407)	65.59711 (17013108)	109.03075 (16120208)	
3605847.5	49.34163 (17010508)	57.57474 (17040507)	56.85298
(17020108)	52.42509 (17010622)	76.50553 (17013108)	
3605597.5	51.68139 (16012908)	55.09323 (17020308)	64.11648
(17040507)	63.51852 (16021022)	65.70929 (17020108)	
3605347.5	56.33839 (16020408)	54.20790 (17122119)	70.81565
(17020308)	74.38643 (17010508)	74.37332 (17011606)	
3605097.5	68.76987 (15120108)	67.98111 (15020808)	71.57950
(16020408)	72.65612 (16012908)	87.38541 (17020308)	
3604847.5	67.12112 (15120108)	90.99984 (15120108)	101.18719
(15120108)	85.58491 (15020808)	92.98708 (16020408)	
3604597.5	53.87029 (16122808)	63.78284 (17032907)	67.42592
(17032907)	108.56177 (15120108)	142.39420 (15120108)	
3604347.5	74.25111 (16020508)	84.52890 (15012708)	91.80081
(15012708)	80.18570 (15012708)	91.11238 (17032907)	
3604097.5	54.54066 (15022521)	64.24820 (15012202)	71.38902
(15012202)	84.68126 (16020508)	107.12125 (16020508)	
3603847.5	63.44134 (15013008)	71.72991 (15013008)	77.70243
(15013008)	90.81976 (15013008)	103.41815 (15013008)	
3603597.5	60.86967 (17121208)	64.96803 (17121208)	69.40723
(17121208)	77.08005 (17121208)	90.56857 (17121208)	
3603347.5	55.53577 (17122908)	66.31357 (17121708)	77.95357
(17121708)	91.49682 (17121708)	98.68132 (17121708)	
3603097.5	48.48905 (15011003)	56.52138 (15021021)	62.07947
(15122019)	72.48881 (17122621)	84.54735 (16031807)	
3602847.5	47.20423 (17122621)	54.25731 (15012003)	60.42808
(15010407)	70.48350 (15121423)	85.40718 (17121504)	
3602597.5	50.52226 (15092907)	53.67885 (16122906)	59.60193
(15011108)	71.14486 (17121308)	88.57609 (16031707)	
3602347.5	48.23776 (15011108)	54.66938 (17121308)	62.14124
(16031707)	88.91037 (15092707)	73.37913 (15032207)	

Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	46.73963 (17092807)	70.70120 (15092707)	71.82982
(15092707)	60.31259 (15032207)	47.87277 (16020522)	
3601847.5	66.57367 (15092707)	48.42021 (15032207)	45.48863
(15032207)	40.25510 (16011423)	44.31007 (17011023)	
3601597.5	40.86031 (15032207)	32.88285 (16020522)	35.29957
(17122924)	37.94622 (17011023)	40.95862 (16032607)	
3601347.5	28.33247 (17122921)	30.98270 (17122924)	32.79805
(17020101)	35.22447 (16032607)	40.61400 (15010508)	
3601097.5	27.84857 (15010718)	29.12353 (17020101)	31.29492
(16032607)	36.44069 (15010508)	34.65449 (15012007)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP16
 INCLUDING SOURCE(S): SP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	73.39806 (16120708)	62.47341 (17021401)	143.43518
(15021508)	96.12683 (15021508)	133.67927 (17021508)	
3605847.5	118.49093 (16120208)	89.58841 (16120708)	83.25362
(17013021)	176.27560 (15021508)	112.51740 (17010724)	
3605597.5	90.90124 (17013108)	125.71081 (16120208)	94.93618
(16120708)	150.53439 (15021508)	122.45562 (15011120)	
3605347.5	91.14885 (17020108)	110.60223 (17013108)	126.11069
(16120208)	100.41157 (17021107)	156.93104 (15021508)	
3605097.5	98.32969 (15120308)	120.41180 (17020108)	154.79210
(17013108)	144.32665 (16120208)	139.38156 (17013021)	
3604847.5	105.73059 (17020308)	127.31689 (15021008)	154.96346
(17020108)	223.54470 (17013108)	263.73570 (16120708)	
3604597.5	123.38247 (15120108)	131.20872 (16020408)	171.38887
(17020308)	188.35359 (16021022)	334.31068 (17013108)	
3604347.5	113.48503 (15120108)	197.55072 (15120108)	208.94160
(15120108)	201.96387 (16020408)	295.59796 (15021008)	
3604097.5	129.61622 (16020508)	166.19327 (15012708)	182.41712
(15012708)	257.08265 (15120108)	444.28297 (15120108)	
3603847.5	113.72483 (15013008)	137.59221 (15013008)	161.41184
(15013008)	197.97133 (15022521)	333.93631 (16020508)	
3603597.5	103.57890 (16010120)	122.97632 (17010904)	154.35480
(17010904)	201.91187 (17122908)	324.67588 (17121708)	
3603347.5	105.81978 (15011003)	120.50385 (15021021)	152.01429
(17122621)	203.30399 (15012003)	244.89551 (17121504)	
3603097.5	101.32770 (15010407)	117.76496 (16122906)	146.91899
(15011108)	198.38925 (16031707)	212.33178 (15032207)	
3602847.5	101.36797 (15011108)	125.04061 (16031707)	129.93681
(15032207)	114.33591 (15032207)	127.69867 (16032607)	
3602597.5	103.91278 (15092707)	102.23630 (15032207)	87.28754
(17122924)	94.53547 (16032607)	104.60138 (15012007)	
3602347.5	68.31006 (15032207)	66.72195 (15010718)	74.36942
(16032607)	78.88758 (17012624)	101.32980 (16052806)	

3602097.5	52.73452 (15010718)	58.96339 (16032607)	62.42736
(16121205)	76.54238 (16052806)	76.57091 (17021520)	
3601847.5	48.26935 (16032607)	53.89433 (15010508)	56.19820
(17011608)	64.76100 (15123108)	66.39697 (15123001)	
3601597.5	46.42836 (15010508)	47.06350 (15021520)	57.44781
(16052806)	55.40496 (16021102)	64.42203 (15011308)	
3601347.5	39.78801 (15012007)	48.49296 (16052806)	49.63965
(15123108)	49.55626 (15123001)	96.29473 (17020408)	
3601097.5	38.38326 (16052806)	41.97943 (16052806)	43.86554
(16021102)	49.64776 (15041007)	106.90943 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP16
 INCLUDING SOURCE(S): SP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	71.09589 (16120206)	85.95070 (17022408)	32.67442
(16112208)	18.40068 (15091407)	70.30771 (17032607)	
3605847.5	110.10863 (17070706)	101.81006 (17020823)	74.97582
(16052302)	68.79581 (15111919)	155.42989 (17032607)	
3605597.5	149.64012 (17021508)	140.85781 (16120908)	107.09022
(16020207)	131.30452 (15010907)	147.51368 (17032607)	
3605347.5	126.60565 (17021508)	171.98546 (16120908)	108.00332
(16051624)	73.96475 (15110104)	197.79753 (17120924)	
3605097.5	139.99099 (16100607)	222.14341 (16120908)	61.14636
(17022408)	39.35232 (16091507)	30.96222 (15021124)	
3604847.5	271.33894 (15021508)	330.03475 (16012808)	162.33702
(17022408)	59.77247 (17032607)	16.22109 (15022218)	
3604597.5	344.61853 (16120708)	281.13720 (16100607)	103.33193
(15092607)	123.75139 (17032607)	35.54971 (16111708)	
3604347.5	474.54360 (17013108)	465.60591 (15011121)	546.28744
(16120908)	360.93930 (17032607)	100.56494 (17020109)	
3604097.5	487.29759 (17020308)	851.17882 (17013108)	1029.89302
(16012808)	1120.25040 (16122307)	671.48382 (15010307)	
3603847.5	602.47677 (15012708)	1265.87888 (15120108)	2905.42109
(17013108)	3466.51739 (15012220)	720.79972 (17032404)	
3603597.5	502.73549 (17121708)	733.27142 (17122621)	2065.79737
(15032207)	1140.09613 (15011220)	213.90769 (15122117)	
3603347.5	411.74429 (16031707)	377.73305 (15121802)	811.50729
(17012608)	1066.74521 (17010608)	201.69696 (17020922)	
3603097.5	200.63060 (16032607)	293.18655 (16052806)	342.79982
(17021124)	498.86937 (17062106)	474.61404 (16010602)	
3602847.5	156.05867 (16052806)	192.60975 (15011308)	232.33835
(16012208)	255.58705 (17062106)	258.99549 (15121508)	
3602597.5	132.92311 (15123108)	199.94594 (17020408)	180.77092
(15011408)	201.11769 (17010308)	186.38320 (17010608)	
3602347.5	100.62542 (16011205)	136.79418 (17020408)	142.72785
(15011408)	158.95232 (17010308)	143.79688 (17010608)	

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 108.18531 (17020408) 89.23568 (17021124) 114.23666
(15120608) 125.41279 (17010308) 101.37791 (15020520)
3601847.5 | 136.84522 (17020408) 73.01502 (15120607) 101.00290
(15120608) 100.97577 (17010308) 83.37243 (17010222)
3601597.5 | 106.29271 (17020408) 63.77209 (15021703) 88.22853
(15120608) 83.08882 (17010308) 76.09363 (17062106)
3601347.5 | 62.35521 (17020408) 58.20935 (16012208) 78.42892
(15120608) 69.36833 (17010308) 69.46278 (17062106)
3601097.5 | 53.16367 (17111908) 55.58452 (16012208) 70.35611
(15120608) 58.62305 (17010308) 60.46733 (17062106)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP16
INCLUDING SOURCE(S): SP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) | 509118.86 509368.86 509618.86
509868.86 510118.86
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3606097.5 | 12.88890 (16092808) 18.67340 (15021924) 17.24471
(16111708) 20.12901 (17020109) 12.67522 (17020109)
3605847.5 | 16.46161 (16010705) 111.64696 (15122821) 30.19367
(17091007) 18.57601 (17020109) 10.06772 (16092207)
3605597.5 | 127.39197 (15021924) 103.99330 (17060105) 68.91325
(15092321) 39.15040 (16100201) 20.04726 (17121809)
3605347.5 | 156.71242 (15033023) 142.16999 (16120518) 136.82655
(17022521) 32.79764 (16092207) 25.29044 (17121809)
3605097.5 | 42.94565 (16083007) 27.80868 (17020109) 37.15905
(16092207) 95.31421 (15101307) 34.46128 (17012609)
3604847.5 | 31.60454 (17020109) 18.55203 (16092207) 33.61424
(17121809) 23.41633 (17032908) 27.04834 (15082707)
3604597.5 | 29.68597 (17020109) 40.67974 (17121809) 26.65488
(17032908) 19.06728 (17100708) 20.12947 (17100708)
3604347.5 | 53.80927 (17011903) 55.84711 (17032908) 26.30355
(17100708) 42.49490 (17032608) 68.14946 (16040707)
3604097.5 | 147.16145 (15081905) 62.03221 (17032608) 105.93983
(16040707) 40.55848 (16040707) 19.95332 (17082707)
3603847.5 | 306.50889 (15051823) 133.41758 (15090401) 66.42678
(17091207) 35.66809 (16090707) 29.55997 (16121409)
3603597.5 | 103.61855 (15020117) 71.48637 (15022318) 68.85846
(17012817) 50.16712 (16052106) 39.48544 (16052106)
3603347.5 | 136.95137 (16040807) 117.29990 (15022408) 275.79746
(15012119) 73.52020 (17122709) 160.56102 (15021919)
3603097.5 | 101.94018 (15121103) 307.25284 (15031607) 266.51131
(15121020) 261.40949 (15022202) 202.48749 (17022805)
3602847.5 | 415.01990 (17021408) 234.75797 (17040307) 169.47735
(16011523) 182.28303 (17011308) 186.02074 (16040807)
3602597.5 | 161.81016 (15121508) 166.06972 (17021408) 169.49924
(17040307) 140.70795 (16011523) 133.52501 (15031607)
3602347.5 | 152.33570 (15121508) 137.93707 (15020908) 125.01404
(17022803) 123.30837 (17040307) 109.43386 (17040307)

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3602097.5 | 95.05343 (16011722) 98.40524 (15121508) 135.45902
(17021408) 92.98850 (17022803) 133.53321 (17040307)
3601847.5 | 88.58578 (17010608) 104.25033 (15121508) 90.19903
(15121506) 103.08159 (17021408) 77.59817 (15011201)
3601597.5 | 85.18388 (17010608) 67.76418 (16011102) 68.45517
(15121508) 78.33459 (15020908) 70.67880 (17011302)
3601347.5 | 66.70192 (17010608) 63.34694 (15022808) 72.76571
(15121508) 61.28242 (16010602) 78.76842 (17021408)
3601097.5 | 54.27919 (16121020) 54.01926 (17010608) 55.60627
(15121508) 52.45425 (15121508) 56.02338 (16010602)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP16
INCLUDING SOURCE(S): SP16 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) | 510368.86 510618.86 510868.86
511118.86
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3606097.5 | 11.53602 (16092207) 19.16543 (17121809) 18.66316
(17121809) 12.18820 (17012609)
3605847.5 | 19.76178 (17121809) 20.43150 (17121809) 13.18566
(17012609) 14.76755 (17032908)
3605597.5 | 22.59425 (17121809) 14.90059 (17032908) 15.33311
(17032908) 9.98378 (15082707)
3605347.5 | 17.31622 (17032908) 15.38105 (17032908) 9.35135
(17100708) 12.84341 (17100708)
3605097.5 | 14.69385 (15082707) 13.10368 (17100708) 15.34672
(17100708) 15.57089 (17122309)
3604847.5 | 19.79523 (15112909) 17.27424 (17122309) 25.88180
(17122309) 23.14184 (17122309)
3604597.5 | 31.11102 (17122309) 36.37820 (16040707) 60.83176
(16040707) 53.38739 (16040707)
3604347.5 | 70.61564 (16040707) 35.19275 (16040707) 11.29421
(16040707) 11.71420 (17082707)
3604097.5 | 24.82025 (17082707) 25.55602 (17082707) 23.51285
(17082707) 20.68580 (16090707)
3603847.5 | 25.83433 (16121409) 24.01350 (17030408) 23.38541
(17030408) 22.59746 (17030408)
3603597.5 | 29.80779 (16052106) 24.72409 (15062407) 24.12369
(15062407) 23.34869 (15062407)
3603347.5 | 77.73638 (17050123) 19.81682 (17082908) 16.95078
(15061907) 16.79199 (15061907)
3603097.5 | 61.29147 (17122709) 29.00907 (17122709) 22.64545
(17122709) 15.70180 (17062607)
3602847.5 | 162.89650 (15022202) 51.91346 (15022408) 19.43729
(17122709) 23.75737 (17122709)
3602597.5 | 135.51242 (17011308) 81.53436 (16040807) 51.72130
(15022408) 52.83658 (15022408)
3602347.5 | 103.08249 (17010220) 120.20702 (15031607) 75.96771
(17030301) 139.91201 (16040807)

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Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	125.81992 (17040307)	76.59444 (17010220)	78.97756
(15031607)	77.13731 (17011308)		
3601847.5	106.41339 (17040307)	86.13538 (17040307)	61.81055
(16011523)	55.95223 (15031607)		
3601597.5	71.43319 (15011201)	66.58334 (17040307)	79.71866
(17040307)	52.27004 (16011523)		
3601347.5	59.41359 (15021604)	53.50095 (15011201)	55.05693
(17040307)	67.63863 (17040307)		
3601097.5	67.82811 (17021408)	51.27913 (17022803)	46.55706
(15011201)	49.97711 (17040307)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP16 ***
 INCLUDING SOURCE(S): SP16 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

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

508226.78	3603955.63	1177.94511	(17020108)	
507708.67	3603932.32	392.44564	(15012708)	
506203.59	3603369.23	97.21384	(17121708)	
507919.87	3604794.52	285.46101	(15021508)	
507037.89	3604916.08	143.62123	(17020108)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP17 ***
 INCLUDING SOURCE(S): SP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)	504118.86	504368.86
504868.86	505118.86	

3606097.5	27.17074 (15011008)	30.31861 (17010607)	37.06416
(17020308)	37.13119 (17010508)	43.98955 (17040507)	
3605847.5	34.53552 (15020808)	35.43756 (16020408)	32.51145
(15011008)	39.03682 (16012908)	46.48988 (17020308)	

3605597.5	45.64241 (15120108)	39.58436 (15040607)	42.13681
(15020808)	44.59354 (16020408)	41.94555 (15011008)	
3605347.5	48.96827 (15120108)	56.43508 (15120108)	57.58690
(15120108)	48.62391 (15120108)	51.70469 (15020808)	
3605097.5	38.40000 (17032907)	40.53888 (17032907)	49.86137
(15120108)	64.03539 (15120108)	72.69351 (15120108)	
3604847.5	38.58002 (15012708)	38.76300 (16122808)	38.53537
(17032907)	46.46022 (17032907)	53.55307 (17032907)	
3604597.5	42.72068 (16020508)	46.40224 (15012708)	51.64895
(15012708)	56.21986 (15012708)	58.26331 (15012708)	
3604347.5	32.12672 (16022705)	35.93426 (16020508)	44.81304
(16020508)	54.36361 (16020508)	64.13479 (16020508)	
3604097.5	35.82476 (15013008)	38.32891 (15013008)	39.17251
(15013008)	42.22713 (16121105)	46.97823 (15022521)	
3603847.5	34.96403 (17121208)	37.07833 (17121208)	42.18353
(15013008)	46.80059 (15013008)	54.31126 (15013008)	
3603597.5	41.20768 (17121208)	44.01413 (17121208)	48.80188
(17121208)	53.29909 (17121208)	56.97171 (17121208)	
3603347.5	30.48733 (17010904)	32.90892 (16011622)	36.32659
(16011622)	39.85693 (16121222)	45.30166 (17122908)	
3603097.5	37.63178 (17121708)	40.84335 (17121708)	43.25930
(17121708)	46.10787 (17121708)	43.80457 (15120823)	
3602847.5	30.20704 (15011003)	32.45573 (15021021)	36.49080
(15021021)	38.98965 (15122019)	41.46244 (17021301)	
3602597.5	29.18626 (17021301)	31.98977 (17122621)	34.51127
(17122621)	38.06351 (15012003)	41.35186 (15010407)	
3602347.5	29.25473 (15012003)	31.18472 (15010407)	38.51189
(15092907)	44.07605 (15092907)	40.22531 (17121504)	
3602097.5	38.17363 (15092907)	36.72309 (15092907)	33.37446
(17121504)	37.49409 (15011108)	44.69041 (17092807)	
3601847.5	27.74811 (17020321)	31.57782 (15011108)	40.35964
(17092807)	42.49438 (17092807)	53.03211 (15092707)	
3601597.5	37.27848 (17092807)	38.43081 (17092807)	43.35536
(15092707)	59.21933 (15092707)	51.85490 (15092707)	
3601347.5	36.70500 (15092707)	52.27069 (15092707)	52.24755
(15092707)	34.04727 (15032207)	33.83914 (15032207)	
3601097.5	50.60275 (15092707)	38.70583 (15092707)	30.91853
(15032207)	27.12180 (15032207)	25.20485 (17122921)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP17 ***
 INCLUDING SOURCE(S): SP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)	505368.86	505618.86
506118.86	506368.86	

3606097.5	46.01244 (17040507)	51.57231 (17020108)	48.77764
(15032407)	65.06553 (17013108)	107.66969 (16120208)	
3605847.5	48.20169 (17010508)	56.24920 (17040507)	55.85108
(17020108)	51.84016 (17010622)	75.80936 (17013108)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	50.37655 (16012908)	53.82238 (17010508)	63.13616
(17040507)	61.36908 (16021022)	64.35107 (17020108)	
3605347.5	54.39983 (16020408)	53.03302 (17010607)	68.70273
(17020308)	71.58960 (17010508)	71.54954 (17011606)	
3605097.5	66.38081 (15120108)	66.36975 (15020808)	68.45063
(16020408)	71.33125 (16012908)	83.20142 (17020308)	
3604847.5	69.03836 (15120108)	90.91465 (15120108)	96.64610
(15120108)	83.80383 (15020808)	88.05587 (16020408)	
3604597.5	51.84747 (16122808)	63.30004 (17032907)	66.83792
(15120108)	110.30709 (15120108)	137.22186 (15120108)	
3604347.5	70.87537 (16020508)	82.64728 (15012708)	87.80586
(15012708)	77.41556 (16122808)	91.09757 (17032907)	
3604097.5	52.81308 (15022521)	62.47176 (15012202)	71.84796
(16020508)	86.98399 (16020508)	107.66323 (16020508)	
3603847.5	63.50252 (15013008)	70.87724 (15013008)	76.82775
(15013008)	88.92741 (15013008)	100.40984 (15013008)	
3603597.5	63.12415 (17121208)	67.81478 (17121208)	73.48768
(17121208)	82.01399 (17121208)	96.62205 (17121208)	
3603347.5	52.97346 (17122908)	62.35684 (17121708)	74.81233
(17121708)	89.79096 (17121708)	100.64621 (17121708)	
3603097.5	47.28760 (15011003)	54.66684 (15021021)	60.10154
(15021021)	70.11149 (17021301)	83.93322 (17122621)	
3602847.5	46.45088 (17122621)	52.01272 (16031807)	58.52069
(15010407)	69.08724 (17012206)	82.00274 (16122906)	
3602597.5	47.74018 (15092907)	53.61648 (15092907)	58.02761
(17121504)	70.12855 (15011108)	83.46692 (17121308)	
3602347.5	46.36620 (15011108)	52.25040 (15011108)	59.72194
(17121308)	84.03543 (15092707)	74.67256 (15092707)	
3602097.5	48.61104 (17092807)	65.54264 (15092707)	74.99756
(15092707)	60.27623 (15032207)	47.96030 (16020522)	
3601847.5	67.03572 (15092707)	48.70095 (15092707)	46.91609
(15032207)	39.74331 (17122921)	43.87814 (15010718)	
3601597.5	40.97551 (15032207)	34.25965 (15032207)	34.05581
(17122924)	37.49281 (17011023)	40.64875 (16032607)	
3601347.5	28.38326 (16020522)	30.52609 (17122924)	32.30005
(17011023)	35.05887 (16032607)	40.69618 (15010508)	
3601097.5	27.43949 (17122924)	28.67188 (17020101)	31.22407
(16032607)	36.12767 (15010508)	33.52069 (15123024)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP17 ***
 INCLUDING SOURCE(S): SP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	71.93858 (16120708)	61.22226 (17021401)	133.87728
(15021508)	95.31944 (15021508)	131.33248 (17021508)	
3605847.5	116.94062 (16120208)	87.45092 (16120708)	79.86679
(17013021)	180.09418 (15021508)	103.47199 (17010724)	

3605597.5	89.95229 (17013108)	124.13358 (16120208)	93.69963
(16120708)	145.28253 (15021508)	114.06213 (15011120)	
3605347.5	87.62697 (17020108)	109.26559 (17013108)	124.92421
(16120208)	98.83294 (17021107)	153.76775 (15021508)	
3605097.5	94.31111 (15120308)	115.09892 (17020108)	147.87150
(17013108)	141.73559 (16120208)	133.61392 (17013021)	
3604847.5	103.26961 (17020308)	121.98333 (15021008)	147.53451
(17020108)	210.18570 (17013108)	250.13917 (16120708)	
3604597.5	116.73028 (15020808)	121.64674 (16020408)	160.49768
(17020308)	177.26981 (16021022)	314.40328 (17013108)	
3604347.5	118.92675 (15120108)	196.06836 (15120108)	190.48696
(15120108)	189.92825 (17122119)	271.65816 (15021008)	
3604097.5	124.11988 (16020508)	158.11898 (15012708)	163.40839
(16122808)	268.06246 (15120108)	406.57473 (15120108)	
3603847.5	110.65454 (15013008)	130.71520 (15013008)	149.97086
(15013008)	188.84127 (15022521)	343.66292 (16020508)	
3603597.5	105.52319 (17121208)	117.67225 (16010120)	148.83532
(17010904)	182.87590 (17010904)	284.24729 (17121708)	
3603347.5	102.66137 (17121708)	116.29036 (15021021)	144.29769
(15122019)	192.55869 (15012003)	234.20746 (16122906)	
3603097.5	98.23836 (15012003)	112.25566 (15121423)	138.46279
(15011108)	181.14050 (16031707)	211.33733 (15032207)	
3602847.5	99.16023 (15011108)	114.25419 (16031707)	135.71613
(16031707)	125.56228 (15032207)	123.65889 (15121802)	
3602597.5	102.16391 (15092707)	101.72291 (15032207)	82.63402
(16011423)	91.49201 (16032607)	101.60914 (15012007)	
3602347.5	71.61954 (15032207)	65.59298 (17122924)	72.71688
(16032607)	78.75852 (16121205)	100.67157 (16052806)	
3602097.5	51.86789 (15010718)	58.04501 (16032607)	64.13536
(15010508)	71.68252 (16052806)	78.43276 (15123108)	
3601847.5	47.74737 (16032607)	55.33089 (15010508)	55.17832
(17011608)	63.93238 (16052806)	66.21416 (15020621)	
3601597.5	47.07307 (15010508)	46.14944 (15021520)	57.01326
(16052806)	53.67859 (17021520)	61.73616 (15011308)	
3601347.5	39.23068 (15012007)	46.63872 (16052806)	49.23576
(15123108)	49.13090 (15020621)	87.08877 (17020408)	
3601097.5	36.55311 (17011608)	43.03229 (16052806)	42.87017
(16021102)	49.27305 (15041007)	105.27654 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP17 ***
 INCLUDING SOURCE(S): SP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	81.27832 (15010104)	85.14658 (16031803)	31.49606
(15123009)	18.51202 (15091407)	66.27852 (17032607)	
3605847.5	112.77418 (16012808)	100.11469 (16120908)	82.84597
(16052302)	87.58126 (16021204)	156.16921 (17032607)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	164.12405 (16012808)	142.35362 (16120908)	101.07648
(16020207)	132.74920 (15010907)	161.14771 (17032607)	
3605347.5	117.02111 (17021508)	164.44680 (16120908)	121.19778
(16051624)	87.83860 (15110104)	195.88958 (17120924)	
3605097.5	134.56431 (16100607)	217.80379 (16120908)	65.70012
(17022408)	33.57914 (16091507)	36.19058 (16120517)	
3604847.5	266.08960 (15021508)	319.58841 (16012808)	162.79874
(17022408)	52.02877 (16091507)	18.13895 (15022218)	
3604597.5	333.28959 (16120708)	311.68857 (16100607)	109.62915
(15092607)	91.78257 (17032607)	25.58045 (16071106)	
3604347.5	432.45980 (17013108)	421.54530 (15011121)	714.12194
(16120908)	329.12093 (17032607)	91.45512 (17020109)	
3604097.5	451.34975 (17020308)	767.30507 (17013108)	820.77749
(16012808)	1001.69978 (17120924)	848.75632 (15012220)	
3603847.5	560.53911 (15012708)	1277.77578 (15120108)	2554.88338
(17013108)	3108.04344 (17032207)	983.11697 (17021703)	
3603597.5	498.80654 (17121708)	706.78305 (15122019)	2447.57599
(16031707)	1875.11545 (15050604)	246.92833 (17122117)	
3603347.5	382.82825 (16031707)	381.23988 (15010718)	677.58121
(15011308)	1008.67431 (17010608)	237.21151 (16123018)	
3603097.5	194.01442 (17020101)	291.91740 (16052806)	342.77552
(16121322)	507.15155 (17062106)	452.00541 (16010602)	
3602847.5	151.90645 (15021520)	190.05481 (15123001)	216.11376
(15021703)	283.16140 (17010308)	248.89096 (15121508)	
3602597.5	133.38496 (15123108)	184.01315 (17020408)	178.44407
(16012208)	210.72316 (17010308)	195.89507 (17010608)	
3602347.5	100.93252 (15020621)	154.35458 (17020408)	140.68310
(15011408)	160.62297 (17010308)	140.06392 (17010608)	
3602097.5	97.62792 (17012608)	88.71009 (17021124)	113.06793
(15011408)	124.32212 (17010308)	102.53808 (15020520)	
3601847.5	132.43956 (17020408)	73.19306 (15122105)	95.95252
(15120608)	98.85117 (17010308)	83.11064 (17010222)	
3601597.5	114.21829 (17020408)	63.67275 (15021703)	85.44998
(15120608)	80.46419 (17010308)	77.30823 (17062106)	
3601347.5	71.84130 (17020408)	55.28619 (17120701)	76.65316
(15120608)	66.67413 (17010308)	69.36527 (17062106)	
3601097.5	54.23305 (17111908)	53.93138 (16012208)	69.28588
(15120608)	55.88162 (17010308)	59.77948 (17062106)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP17 ***
 INCLUDING SOURCE(S): SP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	13.43246 (16092808)	27.98199 (15021924)	16.75617
(16111708)	19.69077 (17020109)	13.92664 (17020109)	
3605847.5	17.86858 (15021124)	105.96270 (15122821)	30.13947
(17091007)	19.62581 (17020109)	8.52210 (16092207)	

3605597.5	127.28312 (15021924)	108.63245 (15122821)	85.61801
(15092321)	49.31327 (16100201)	18.18139 (17121809)	
3605347.5	160.31683 (15033023)	143.35066 (16120518)	155.24249
(17021903)	33.29245 (16092207)	26.21146 (17121809)	
3605097.5	39.31949 (16083007)	28.76911 (17020109)	34.52075
(16092207)	115.86559 (15101307)	34.99908 (17012609)	
3604847.5	28.64680 (17020109)	16.38509 (17020109)	34.45902
(17121809)	23.03605 (17032908)	30.34517 (15082707)	
3604597.5	33.89449 (17020109)	41.07542 (17121809)	27.36656
(17032908)	17.55388 (17100708)	20.42141 (17100708)	
3604347.5	58.04667 (17012509)	62.73866 (17032908)	26.01599
(17100708)	40.22297 (17032608)	57.09792 (16040707)	
3604097.5	239.05271 (15081905)	107.93979 (17122309)	107.06356
(16040707)	56.23724 (16040707)	16.73828 (17082707)	
3603847.5	378.12755 (15120702)	183.81852 (15090401)	83.44177
(16090707)	37.62886 (16090707)	30.77728 (16090707)	
3603597.5	91.32825 (16120817)	83.18850 (17012817)	66.48158
(17022518)	57.78217 (15062407)	35.20146 (15012317)	
3603347.5	155.67788 (16040807)	111.24825 (15022408)	310.26471
(15011501)	70.51274 (17122709)	185.42192 (15021919)	
3603097.5	127.65762 (15050604)	322.50141 (15031607)	264.78228
(15121020)	263.20636 (15022202)	186.88900 (17022805)	
3602847.5	424.52337 (17021408)	237.78092 (17040307)	168.69165
(16122817)	187.94315 (17011308)	180.83852 (16040807)	
3602597.5	167.66451 (15121508)	173.19143 (17021408)	169.02095
(17040307)	138.03348 (16011523)	133.10550 (15031607)	
3602347.5	150.75230 (15121508)	137.35364 (15020908)	124.18120
(17022803)	123.66710 (17040307)	106.38432 (17040307)	
3602097.5	96.71274 (16011722)	101.43075 (15121508)	134.84318
(17021408)	92.75891 (17022803)	131.26788 (17040307)	
3601847.5	92.00018 (17010608)	103.37430 (15121508)	89.85685
(15121506)	104.71782 (17021408)	76.20584 (15011201)	
3601597.5	85.01796 (17010608)	67.53186 (16011102)	70.28693
(15121508)	78.34160 (15020908)	70.60443 (17011302)	
3601347.5	64.58407 (17010608)	62.34806 (15022808)	73.04372
(15121508)	60.37733 (16010602)	78.13059 (17021408)	
3601097.5	54.03507 (16121020)	55.90073 (17010608)	54.44777
(15121508)	53.47158 (15121508)	56.19525 (15121506)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP17 ***
 INCLUDING SOURCE(S): SP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			

3606097.5	10.46995 (16092207)	18.11927 (17121809)	19.44862
(17121809)	12.04767 (17012609)		
3605847.5	18.30938 (17121809)	21.23546 (17121809)	13.09988
(17012609)	14.90925 (17032908)		

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	23.43200 (17121809)	14.30056 (17012609)	15.78693
(17032908)	10.78908 (15082707)		
3605347.5	16.33319 (17032908)	16.29340 (17032908)	9.50978
(15082707)	12.33222 (17100708)		
3605097.5	16.00958 (17032908)	12.26143 (17100708)	15.13842
(17100708)	14.02087 (17100708)		
3604847.5	33.53366 (17100708)	16.66556 (17100708)	24.79879
(17122309)	24.24356 (17122309)		
3604597.5	29.85932 (17122309)	28.52091 (16091707)	56.85587
(16040707)	57.14491 (16040707)		
3604347.5	74.75164 (16040707)	43.81415 (16040707)	15.77410
(16040707)	10.06525 (17082707)		
3604097.5	22.74746 (17082707)	24.92596 (17082707)	23.93425
(17082707)	21.28185 (17082707)		
3603847.5	26.72865 (16121409)	23.60208 (16121409)	21.95360
(17030408)	21.55701 (17030408)		
3603597.5	30.91271 (15012317)	26.96035 (15062407)	25.92904
(15062407)	24.83894 (15062407)		
3603347.5	94.60212 (17050123)	21.76947 (15061907)	18.46146
(15061907)	17.56711 (15061907)		
3603097.5	63.04121 (17122709)	28.65890 (17122709)	21.64755
(17122709)	16.05150 (17062607)		
3602847.5	169.84053 (15022202)	48.76806 (15022408)	20.47007
(17122709)	24.32476 (17122709)		
3602597.5	154.75039 (17011308)	81.59544 (16040807)	54.16063
(15022408)	51.39905 (15022408)		
3602347.5	102.64923 (17010220)	120.20753 (17021119)	109.65077
(16040807)	139.47843 (16040807)		
3602097.5	125.41079 (17040307)	75.62322 (17010220)	78.28981
(15031607)	77.23812 (17011308)		
3601847.5	100.67225 (17040307)	84.47205 (17040307)	60.78372
(16011523)	55.86739 (15031607)		
3601597.5	70.09461 (15011201)	66.28377 (17040307)	78.21354
(17040307)	51.97913 (16011523)		
3601347.5	59.24114 (15021604)	53.83370 (15011201)	55.04358
(17040307)	66.62489 (17040307)		
3601097.5	68.63624 (17021408)	50.91444 (17022803)	46.82861
(15011201)	49.57988 (17040307)		

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP17 ***
 INCLUDING SOURCE(S): SP17 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
508226.78	3603955.63	1048.72945 (17020108)	
507708.67	3603932.32	340.12164 (17032907)	
506203.59	3603369.23	94.36952 (17121708)	
507919.87	3604794.52	283.49387 (15021508)	
507037.89	3604916.08	136.96301 (17020108)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP18 ***
 INCLUDING SOURCE(S): SP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504868.86	504118.86
504868.86	505118.86

3606097.5	27.36019 (15011008)	31.26556 (16012908)	37.36250
(17020308)	37.79739 (17010508)	45.24471 (17040507)	
3605847.5	34.23677 (15020808)	34.52274 (16020408)	32.37298
(15011008)	39.57904 (16012908)	45.25190 (17020308)	
3605597.5	43.39207 (15120108)	37.23694 (15040607)	41.74275
(15020808)	43.09527 (16020408)	41.89952 (17010607)	
3605347.5	50.86311 (15120108)	56.41800 (15120108)	55.26301
(15120108)	44.44729 (15120108)	51.25785 (15020808)	
3605097.5	38.34402 (17032907)	39.23638 (17032907)	53.22370
(15120108)	65.53914 (15120108)	70.84550 (15120108)	
3604847.5	36.61708 (16122808)	37.42036 (16122808)	40.25385
(17032907)	46.67520 (17032907)	52.36614 (15120108)	
3604597.5	41.79020 (15012708)	46.97713 (15012708)	51.08862
(15012708)	54.08543 (15012708)	55.65161 (16122808)	
3604347.5	32.43771 (16022705)	38.75279 (16020508)	47.13299
(16020508)	55.66597 (16020508)	63.49818 (16020508)	
3604097.5	34.54630 (16040507)	37.59261 (16040507)	38.79551
(16040507)	41.99453 (15022521)	46.70903 (15022521)	
3603847.5	33.76684 (15013008)	38.01402 (15013008)	44.04928
(15013008)	48.71104 (15013008)	55.98019 (15013008)	
3603597.5	43.19131 (17121208)	46.54339 (17121208)	51.53501
(17121208)	56.24179 (17121208)	60.54858 (17121208)	
3603347.5	30.77504 (17010904)	33.43671 (17010904)	36.12456
(17010904)	39.31571 (16011622)	43.49738 (16121222)	
3603097.5	36.65382 (17121708)	40.65575 (17121708)	44.04448
(17121708)	48.08725 (17121708)	47.38159 (17121708)	
3602847.5	29.99018 (15120823)	32.62263 (15011003)	36.36914
(15021021)	38.56933 (15122019)	41.79116 (15122019)	
3602597.5	29.09556 (15122019)	31.31458 (17122621)	35.10469
(17122621)	37.14230 (16031807)	41.44283 (15012003)	
3602347.5	29.00469 (15012003)	30.81153 (15010407)	35.46966
(15092907)	43.94658 (15092907)	42.64115 (15092907)	
3602097.5	37.47451 (15092907)	38.37446 (15092907)	33.32973
(17121504)	36.73277 (15011108)	41.34874 (17092807)	
3601847.5	27.98747 (17121504)	31.37752 (15011108)	37.93056
(17092807)	43.90651 (17092807)	47.98154 (15092707)	
3601597.5	35.68728 (17092807)	39.61967 (17092807)	39.00632
(15092707)	57.89029 (15092707)	55.70299 (15092707)	
3601347.5	32.91444 (15092707)	50.33908 (15092707)	54.19704
(15092707)	38.25834 (15092707)	34.99520 (15032207)	
3601097.5	51.29638 (15092707)	42.07540 (15092707)	31.14873
(15032207)	28.69032 (15032207)	25.26381 (17122921)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP18 ***
INCLUDING SOURCE(S): SP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS) 505868.86
506118.86	506368.86		

3606097.5	42.76385 (17040507)	51.77376 (17020108)	50.51334
(15032407)	66.46825 (17013108)	106.61679 (16120208)	
3605847.5	47.51770 (15021008)	54.17363 (17040507)	57.37762
(17020108)	53.79574 (15032407)	77.43506 (17013108)	
3605597.5	51.78665 (17020308)	54.78599 (17010508)	63.50668
(17040507)	61.90624 (17020108)	60.17133 (17010622)	
3605347.5	52.13360 (16020408)	53.00859 (17010607)	67.84436
(17020308)	71.96837 (15021008)	71.11685 (16021022)	
3605097.5	61.11849 (15120108)	65.86331 (15020808)	64.64712
(16020408)	72.92508 (16012908)	82.38657 (17010508)	
3604847.5	73.22489 (15120108)	90.80988 (15120108)	89.45081
(15120108)	83.61208 (15020808)	81.15219 (16020408)	
3604597.5	50.79156 (17032907)	64.09614 (17032907)	75.54837
(15120108)	114.85366 (15120108)	130.33622 (15120108)	
3604347.5	71.00308 (15012708)	82.14111 (15012708)	83.76414
(15012708)	74.94149 (16122808)	93.69488 (17032907)	
3604097.5	51.65038 (15012202)	61.47500 (16022705)	79.14255
(16020508)	92.08231 (16020508)	107.44576 (16020508)	
3603847.5	64.95069 (15013008)	72.23560 (15013008)	77.35955
(15013008)	88.26619 (15013008)	97.97207 (15013008)	
3603597.5	68.03673 (17121208)	73.59854 (17121208)	80.52605
(17121208)	91.24338 (17121208)	109.02794 (17121208)	
3603347.5	49.99255 (17122908)	59.17178 (17122908)	70.77208
(17121708)	88.42127 (17121708)	104.44431 (17121708)	
3603097.5	47.61949 (15120823)	54.49663 (15011003)	60.76713
(15021021)	71.30258 (15122019)	83.70020 (17122621)	
3602847.5	45.72845 (17122621)	52.11154 (17122621)	59.15954
(15012003)	68.87814 (17012206)	81.79437 (16122906)	
3602597.5	45.47480 (17012206)	54.79960 (15092907)	58.08250
(17121504)	70.28263 (15011108)	86.11782 (17121308)	
3602347.5	44.90511 (15011108)	53.01359 (15011108)	61.58463
(17121308)	78.11357 (15092707)	82.57896 (15092707)	
3602097.5	50.33048 (17092807)	59.92533 (15092707)	77.89660
(15092707)	60.59516 (15032207)	51.67386 (15032207)	
3601847.5	67.10817 (15092707)	54.83375 (15092707)	48.99330
(15032207)	39.97413 (17122921)	44.21260 (15010718)	
3601597.5	41.26093 (15032207)	36.61795 (15032207)	33.74543
(16011423)	37.69022 (15010718)	40.64693 (16032607)	
3601347.5	28.65689 (16020522)	30.31129 (17122924)	32.46370
(17011023)	35.13638 (16032607)	40.92450 (15010508)	
3601097.5	27.58095 (17122924)	28.69956 (17011023)	31.34156
(16032607)	36.13377 (15010508)	33.69029 (17012624)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP18 ***
INCLUDING SOURCE(S): SP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS) 507118.86
507368.86	507618.86		

3606097.5	72.02109 (16120708)	59.90392 (16010223)	135.79201
(15021508)	88.29742 (15021508)	132.25141 (17021508)	
3605847.5	114.02923 (16120208)	85.00523 (16120708)	78.73313
(17013021)	176.59779 (15021508)	99.54674 (17010724)	
3605597.5	91.88504 (17013108)	118.99285 (16120208)	87.67350
(16120708)	150.22046 (15021508)	109.07038 (15011120)	
3605347.5	82.22688 (17020108)	111.61746 (17013108)	116.58395
(16120208)	97.16368 (17021107)	151.25118 (15021508)	
3605097.5	90.44540 (15120308)	110.88891 (17020108)	150.39437
(17013108)	136.09877 (16120708)	130.19360 (17013021)	
3604847.5	105.62978 (17020308)	119.63098 (15021008)	148.24502
(17020108)	213.07510 (17013108)	244.18369 (16120708)	
3604597.5	117.49902 (15020808)	113.03843 (15011008)	150.66230
(17010508)	183.57139 (17020108)	317.99614 (17013108)	
3604347.5	133.84716 (15120108)	195.25104 (15120108)	169.77659
(15020808)	197.90822 (16012908)	259.68623 (15120308)	
3604097.5	126.50063 (15012708)	149.16865 (15012708)	172.09895
(17032907)	300.43939 (15120108)	342.27895 (15120108)	
3603847.5	105.68656 (15013008)	120.20651 (15013008)	142.84612
(15022521)	221.86282 (16020508)	354.30003 (16020508)	
3603597.5	122.29749 (17121208)	139.10932 (17121208)	165.74182
(17121208)	193.83474 (17121208)	253.92734 (17010904)	
3603347.5	114.72970 (17121708)	114.99997 (15011003)	145.28049
(15122019)	192.56211 (17122621)	232.26464 (17012206)	
3603097.5	97.15233 (15012003)	113.15446 (17012206)	135.56473
(17121504)	179.77187 (17121308)	208.92178 (16031707)	
3602847.5	97.40955 (15011108)	116.34701 (17121308)	143.47869
(16031707)	138.75048 (15032207)	124.56602 (17020101)	
3602597.5	98.69544 (16031707)	101.87481 (15032207)	83.80931
(16020522)	91.40198 (17020101)	104.35807 (16121205)	
3602347.5	76.03137 (15032207)	65.02234 (17122924)	72.17920
(15121802)	83.23414 (15010508)	100.63694 (16052806)	
3602097.5	51.98553 (17122924)	57.42940 (16032607)	67.14201
(15010508)	69.41263 (17011608)	81.62784 (15123108)	
3601847.5	47.56706 (16032607)	56.96099 (15010508)	55.27403
(15021520)	66.52355 (16052806)	67.64777 (15020621)	
3601597.5	47.74208 (15010508)	46.14852 (15012007)	57.17261
(16052806)	53.82846 (17021520)	60.36688 (15011308)	
3601347.5	39.00338 (15012007)	45.39948 (16052806)	49.26403
(15123108)	49.94680 (15020621)	81.51637 (17020408)	
3601097.5	37.12859 (17011608)	44.11803 (16052806)	42.31146
(16021102)	49.07166 (15041007)	104.12085 (17020408)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP18 ***
INCLUDING SOURCE(S): SP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS) 508368.86
508618.86	508868.86		

3606097.5	81.77592 (15010104)	85.16707 (16031803)	31.14792
(15123009)	18.36787 (15091407)	63.85664 (17032607)	
3605847.5	109.69812 (16021206)	96.37532 (16120908)	83.55904
(16020207)	91.42474 (16021204)	153.79742 (17032607)	
3605597.5	166.10030 (16012808)	138.37310 (16120908)	98.39096
(16020207)	130.75439 (15010907)	164.35652 (17032607)	
3605347.5	119.06379 (17021508)	160.35679 (16120908)	120.96008
(16051624)	92.62868 (15111919)	186.63902 (17120924)	
3605097.5	131.36762 (16100607)	221.87119 (16120908)	65.12941
(17022408)	30.89627 (16091507)	41.32565 (17032607)	
3604847.5	268.68049 (15021508)	311.54132 (16012808)	160.29467
(17022408)	47.88795 (16091507)	17.70412 (15022218)	
3604597.5	294.21158 (16120708)	301.97870 (16100607)	107.18458
(15092607)	79.79677 (16091507)	25.27293 (16071106)	
3604347.5	435.63583 (17013108)	399.61227 (15011121)	706.20381
(16120908)	295.56257 (17032607)	80.82881 (16111708)	
3604097.5	430.54923 (17020308)	767.33291 (17013108)	793.65031
(16012808)	891.30319 (17120924)	794.48650 (15012220)	
3603847.5	508.31712 (15012708)	1227.49956 (15120108)	2408.99916
(17013108)	2247.02232 (16120518)	947.28557 (15042006)	
3603597.5	448.98074 (17121708)	865.06535 (17121708)	2227.58433
(17121504)	2193.51100 (15101924)	259.43374 (15020117)	
3603347.5	373.14752 (17121308)	444.40613 (15032207)	718.85807
(16021102)	1113.37256 (17010608)	269.74307 (17120417)	
3603097.5	199.94525 (15010718)	285.33387 (16052806)	390.32611
(17122108)	530.95248 (17062106)	484.14946 (16010602)	
3602847.5	152.95306 (15012007)	198.16193 (15020621)	222.67177
(15021703)	298.13166 (17010308)	269.80722 (15121508)	
3602597.5	133.53886 (16052806)	181.06767 (17012608)	181.05089
(16012208)	218.25945 (17010308)	200.13607 (17010608)	
3602347.5	103.83907 (15020621)	164.56951 (17020408)	141.89311
(15011408)	164.29942 (17010308)	144.99296 (17010608)	
3602097.5	94.61385 (17012608)	89.02297 (17021124)	115.25693
(15011408)	126.45440 (17010308)	104.70143 (15020520)	
3601847.5	129.18178 (17020408)	74.52165 (15122105)	95.17541
(15120608)	100.01151 (17010308)	84.72821 (17010222)	
3601597.5	118.93899 (17020408)	64.30090 (15021703)	85.55165
(15120608)	80.98191 (17010308)	78.32436 (17062106)	
3601347.5	78.16950 (17020408)	55.80532 (17120701)	76.91746
(15120608)	66.87736 (17010308)	70.12918 (17062106)	
3601097.5	55.05630 (17111908)	53.58482 (16012208)	69.61646
(15120608)	56.13460 (17010308)	60.31879 (17062106)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP18 ***
INCLUDING SOURCE(S): SP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS) 509618.86
509868.86	510118.86		

3606097.5	15.46734 (17032607)	31.39013 (15021924)	16.12899
(16111708)	19.18823 (17020109)	14.79120 (17020109)	
3605847.5	17.84070 (15021124)	108.11386 (15033023)	30.76177
(16083007)	20.20111 (17020109)	7.51905 (17020109)	
3605597.5	136.47560 (16121520)	114.71887 (15122821)	89.38745
(15092321)	50.47180 (16100201)	16.34996 (17121809)	
3605347.5	157.97841 (16120120)	132.54411 (15052306)	156.73682
(17021903)	32.38053 (16092207)	26.48187 (17121809)	
3605097.5	36.14499 (16083007)	28.81096 (17020109)	30.77056
(16092207)	114.41137 (17040402)	34.91617 (17012609)	
3604847.5	30.26281 (16111708)	18.92116 (17020109)	34.04163
(17121809)	21.93900 (17032908)	32.82025 (17032908)	
3604597.5	36.01608 (17020109)	39.50406 (17121809)	26.90831
(17032908)	15.70224 (17100708)	20.30851 (17100708)	
3604347.5	60.53735 (16092207)	65.87006 (17032908)	24.76560
(17100708)	34.30777 (17122309)	42.14261 (16040707)	
3604097.5	235.55172 (15081905)	95.08811 (17122309)	93.15822
(16040707)	75.56253 (16040707)	22.30520 (16040707)	
3603847.5	434.23246 (16030702)	169.17688 (17110205)	81.81216
(17082707)	37.03877 (16090707)	33.33751 (16090707)	
3603597.5	88.24486 (15061907)	81.63803 (17121003)	76.84000
(15062407)	72.61651 (15062407)	35.14550 (15012317)	
3603347.5	193.56758 (16040807)	109.83139 (15012417)	297.33271
(15042023)	62.62680 (17012318)	180.45713 (17120919)	
3603097.5	140.34073 (17112002)	344.58912 (15031607)	270.91957
(15121020)	251.49985 (15022202)	200.59699 (17021020)	
3602847.5	434.65892 (17021408)	263.65925 (17040307)	171.62133
(17010220)	198.60526 (17011308)	176.93927 (16040807)	
3602597.5	163.18946 (16010602)	168.53460 (15021604)	184.51687
(17040307)	139.19067 (16011523)	135.54187 (15031607)	
3602347.5	156.66015 (15121508)	145.16360 (15020908)	125.21051
(17022803)	134.14468 (17040307)	102.22576 (16011523)	
3602097.5	98.39328 (16011722)	98.89512 (15121508)	139.41399
(17021408)	90.22922 (17022803)	140.94235 (17040307)	
3601847.5	92.35023 (17010608)	105.43637 (15121508)	91.97908
(15121506)	102.57013 (17021408)	79.70450 (15011201)	
3601597.5	86.28665 (17010608)	68.46876 (16011102)	68.73270
(15121508)	80.15102 (15020908)	70.78949 (17011302)	
3601347.5	65.92994 (17010608)	63.00751 (15022808)	73.96736
(15121508)	62.40185 (16010602)	80.62833 (17021408)	
3601097.5	54.63879 (16121020)	55.75699 (17010608)	56.02170
(15121508)	52.40122 (15121508)	55.95493 (15121506)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP18 ***
 INCLUDING SOURCE(S): SP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS)	510868.86
3606097.5	9.43316 (16092207)	16.96037 (17121809)	19.87504	
(17121809)	11.81141 (17012609)			
3605847.5	16.89732 (17121809)	21.69685 (17121809)	12.82645	
(17012609)	14.86618 (17032908)			
3605597.5	23.85946 (17121809)	14.11910 (17012609)	16.01562	
(17032908)	11.42818 (15082707)			
3605347.5	15.60777 (17012609)	16.90164 (17032908)	10.55023	
(15082707)	11.62721 (17100708)			
3605097.5	17.22247 (17032908)	11.22946 (17100708)	14.72879	
(17100708)	14.32605 (17100708)			
3604847.5	31.68440 (17100708)	16.87057 (17100708)	22.85538	
(17122309)	25.02085 (17122309)			
3604597.5	27.29235 (17122309)	30.56634 (17032608)	49.56194	
(16040707)	59.26705 (16040707)			
3604347.5	74.44629 (16040707)	54.09149 (16040707)	22.87761	
(16040707)	8.63532 (17090407)			
3604097.5	19.35395 (17082707)	23.13425 (17082707)	23.75270	
(17082707)	22.11477 (17082707)			
3603847.5	27.81700 (16090707)	24.56325 (16121409)	22.07282	
(16121409)	19.78545 (16121409)			
3603597.5	31.86963 (15062407)	29.80839 (15062407)	27.93736	
(15062407)	26.30860 (15062407)			
3603347.5	100.49290 (15013107)	26.01552 (15061907)	20.41353	
(15061907)	18.10267 (15061907)			
3603097.5	64.81041 (17122709)	27.29646 (17122709)	19.44228	
(17122709)	16.38664 (17062607)			
3602847.5	176.28709 (15022202)	39.80167 (15022408)	22.58819	
(17122709)	25.14906 (17122709)			
3602597.5	152.26984 (17011308)	78.43577 (16040807)	58.63474	
(15022408)	46.21090 (15022408)			
3602347.5	101.20730 (15031607)	124.62107 (16120121)	124.84860	
(16040807)	133.14727 (16040807)			
3602097.5	117.96941 (15013119)	76.36133 (17010220)	78.80006	
(15031607)	78.82487 (17011308)			
3601847.5	108.37732 (17040307)	80.40642 (17040307)	60.64911	
(16122817)	58.51898 (15031607)			
3601597.5	71.83991 (15011201)	70.73314 (17040307)	75.38902	
(17040307)	52.01846 (16011523)			
3601347.5	59.42069 (15021604)	54.61372 (15011201)	58.58443	
(17040307)	65.17779 (17040307)			
3601097.5	68.60831 (17021408)	51.31206 (17022803)	47.08804	
(15011201)	52.47649 (17040307)			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP18 ***
 INCLUDING SOURCE(S): SP18 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	1033.72173 (15032407)	
507708.67	3603932.32	366.99989 (15120108)	
506203.59	3603369.23	91.59785 (17121708)	
507919.87	3604794.52	279.10678 (15021508)	
507037.89	3604916.08	137.39733 (17020108)	
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*** AERMET - VERSION 18081 *** *** 05/16/19 ***			
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*			
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION			
VALUES FOR SOURCE GROUP: SP2 ***			
INCLUDING SOURCE(S): SP2 ,			
*** NETWORK ID: UCART1 ; NETWORK TYPE:			
GRIDCART ***			
** CONC OF TAC IN MICROGRAMS/M**3			
**			
Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)
504868.86	505118.86		504618.86
3606097.5	23.68544 (16020408)	21.65835 (16020408)	26.67859
(17020308)	29.28179 (17020308)	30.49789 (15021008)	
3605847.5	36.28203 (15120108)	29.80527 (15120108)	27.53833
(16020408)	26.85443 (16012908)	33.23443 (17020308)	
3605597.5	49.03446 (15120108)	48.33875 (15120108)	44.19735
(15120108)	36.70990 (15120108)	33.62391 (16020408)	
3605347.5	45.64755 (15120108)	52.81152 (15120108)	58.16732
(15120108)	59.56679 (15120108)	55.41599 (15120108)	
3605097.5	28.56922 (17032907)	37.83439 (15120108)	48.66791
(15120108)	60.13455 (15120108)	69.73434 (15120108)	
3604847.5	33.53872 (15012708)	34.50386 (15012708)	34.02153
(15012708)	35.74758 (15120108)	50.38868 (15120108)	
3604597.5	32.28999 (16020508)	35.33106 (15012708)	39.64666
(15012708)	44.71904 (15012708)	51.34527 (15012708)	

Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	24.16004 (16020508)	28.15404 (16020508)	33.08902
(16020508)	38.72223 (16020508)	45.47904 (16020508)	
3604097.5	27.22189 (15013008)	29.95712 (15013008)	31.77562
(15013008)	34.23041 (15013008)	37.28889 (15013008)	
3603847.5	32.96380 (17121208)	35.69046 (17121208)	39.59890
(17121208)	42.70585 (17121208)	47.86656 (17121208)	
3603597.5	30.75063 (17121208)	32.90635 (17121208)	35.80972
(17121208)	38.83721 (17121208)	41.44479 (17121208)	
3603347.5	22.18942 (17121708)	25.38197 (17121708)	29.04222
(17121708)	32.99608 (17121708)	37.39658 (17121708)	
3603097.5	27.06358 (17121708)	28.65135 (17121708)	30.07538
(17121708)	31.59152 (17121708)	31.36023 (17121708)	
3602847.5	20.95493 (15021021)	22.68733 (15021021)	24.68706
(15122019)	26.10155 (15122019)	28.88136 (17122621)	
3602597.5	20.38485 (17122621)	21.86151 (17122621)	23.97157
(17021924)	25.99178 (17021924)	28.39877 (17012206)	
3602347.5	19.89826 (17021924)	22.67824 (15092907)	24.96404
(15092907)	25.39378 (15092907)	29.57198 (15011108)	
3602097.5	22.42177 (15092907)	21.54161 (15092907)	24.75154
(15011108)	27.02305 (15011108)	29.75335 (17121308)	
3601847.5	21.11973 (15011108)	22.74700 (17092807)	25.07237
(17092807)	30.36137 (15092707)	37.39864 (15092707)	
3601597.5	22.83427 (17092807)	26.51363 (15092707)	32.42041
(15092707)	34.89568 (15092707)	31.94836 (15092707)	
3601347.5	29.08832 (15092707)	31.81513 (15092707)	30.90116
(15092707)	25.55278 (15092707)	23.93623 (15032207)	
3601097.5	29.40560 (15092707)	25.88311 (15092707)	21.21650
(15032207)	20.65206 (15032207)	17.69523 (15032207)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SP2
 INCLUDING SOURCE(S): SP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS) 505868.86
506118.86	506368.86		
-	-	-	-
-	-	-	-

3606097.5	32.52797 (15120308)	35.90456 (17020108)	39.82741
(15032407)	51.41304 (17013108)	63.67253 (16120208)	
3605847.5	33.94718 (17010508)	37.47444 (15021008)	38.91920
(17020108)	44.36948 (17020108)	59.33663 (17013108)	
3605597.5	34.67047 (17020308)	41.25333 (17020308)	44.67073
(15021008)	45.71874 (15120308)	52.95870 (17020108)	
3605347.5	46.33976 (15120108)	40.77434 (16020408)	46.68459
(17020308)	49.99604 (17010508)	56.26110 (15120308)	
3605097.5	74.65801 (15120108)	72.25203 (15120108)	60.48718
(15120108)	50.78320 (16020408)	62.05891 (17020308)	
3604847.5	66.72321 (15120108)	83.58488 (15120108)	95.93740
(15120108)	96.97894 (15120108)	82.06960 (15120108)	
3604597.5	48.19345 (15012708)	48.84209 (15012708)	70.96521
(15120108)	98.95341 (15120108)	126.03817 (15120108)	

3604347.5	52.66213 (16020508)	62.03188 (15012708)	68.55545
(15012708)	72.11810 (15012708)	78.24816 (15012708)	
3604097.5	40.84744 (15013008)	47.41718 (15013008)	52.58684
(16020508)	61.15297 (16020508)	76.76151 (16020508)	
3603847.5	54.08744 (17121208)	58.55677 (17121208)	62.51903
(17121208)	70.34052 (17121208)	78.64423 (17121208)	
3603597.5	45.60747 (17121208)	49.36294 (17121208)	53.20062
(17121208)	59.37844 (17121208)	67.30167 (17121208)	
3603347.5	42.48075 (17121708)	47.76911 (17121708)	53.40338
(17121708)	59.88123 (17121708)	64.57912 (17121708)	
3603097.5	32.80420 (15021021)	37.36791 (15021021)	40.42857
(15122019)	48.26132 (17122621)	56.99778 (17021924)	
3602847.5	31.29211 (16031807)	36.20353 (17021924)	40.13398
(17012206)	47.43838 (16122906)	60.63255 (15011108)	
3602597.5	31.07771 (16122906)	36.85902 (15011108)	43.43887
(15011108)	50.19817 (16031707)	66.34504 (16031707)	
3602347.5	34.28733 (15011108)	37.88963 (17121308)	47.24996
(16031707)	52.65634 (16031707)	49.52789 (15032207)	
3602097.5	35.86155 (15092707)	43.44940 (15092707)	43.38871
(15092707)	40.53935 (15032207)	36.58583 (15032207)	
3601847.5	38.65643 (15092707)	32.92164 (15092707)	32.86580
(15032207)	28.29319 (15032207)	29.79761 (17011023)	
3601597.5	27.85882 (15032207)	26.20260 (15032207)	23.78121
(17122924)	25.73637 (17020101)	28.25006 (15010508)	
3601347.5	21.50250 (15032207)	20.78368 (15010718)	22.28166
(17020101)	24.31275 (15010508)	27.48832 (15010508)	
3601097.5	18.84634 (15010718)	19.82274 (17020101)	21.74124
(16032607)	24.59493 (15010508)	23.33000 (15012007)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SP2
 INCLUDING SOURCE(S): SP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS) 507118.86
507368.86	507618.86		
-	-	-	-
-	-	-	-

3606097.5	60.93732 (16120208)	49.29834 (16120708)	86.89746
(15021508)	90.10767 (15021508)	80.67800 (16012808)	
3605847.5	70.23468 (16120208)	64.82400 (16120708)	54.91012
(17022405)	107.27529 (15021508)	77.24721 (16100607)	
3605597.5	69.60005 (17013108)	77.24929 (16120208)	77.52220
(16120708)	96.69168 (15021508)	103.75999 (15021508)	
3605347.5	64.62228 (17020108)	83.33568 (17013108)	90.66533
(17013108)	89.65405 (16120708)	92.77041 (15021508)	
3605097.5	68.84410 (15021008)	78.72240 (17020108)	105.85936
(15032407)	108.74140 (17013108)	95.80420 (16120708)	
3604847.5	67.30909 (17020308)	84.31600 (17020308)	95.83447
(15120308)	150.58269 (15032407)	178.12116 (16120708)	
3604597.5	139.00670 (15120108)	121.08143 (15120108)	110.33725
(17020308)	138.67344 (15120308)	225.19687 (15032407)	

Otay Hills Quarry AERMOD Output File (HRA)

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3604347.5 | 110.78622 (15120108) 166.80504 (15120108) 212.51731
(15120108) 199.18634 (15120108) 190.39101 (17020308)
3604097.5 | 95.20200 (16020508) 120.29731 (15012708) 152.03069
(15012708) 206.33267 (15120108) 363.14723 (15120108)
3603847.5 | 90.23542 (17121208) 104.76999 (17121208) 123.86861
(17121208) 156.00081 (15013008) 209.55814 (15013008)
3603597.5 | 73.59865 (17121208) 90.60848 (17121708) 120.67962
(17121708) 157.30016 (17121708) 207.01583 (17121708)
3603347.5 | 69.60129 (15021021) 76.68882 (15122019) 96.60076
(16031807) 128.24321 (17012206) 168.28345 (15011108)
3603097.5 | 66.30199 (17012206) 81.00729 (15011108) 99.17479
(15011108) 133.45204 (16031707) 133.30953 (15032207)
3602847.5 | 71.18275 (16031707) 88.79993 (16031707) 90.45403
(16031707) 84.09108 (15032207) 88.27863 (15010508)
3602597.5 | 66.24231 (16031707) 67.29730 (15032207) 57.56685
(15032207) 64.54349 (15010508) 69.44161 (15021520)
3602347.5 | 49.43203 (15032207) 44.08552 (15010718) 50.65075
(15010508) 52.41898 (15012007) 64.66981 (16052806)
3602097.5 | 34.98171 (17011023) 40.40778 (15010508) 42.74095
(15010508) 51.05634 (16052806) 52.72697 (15123108)
3601847.5 | 33.23868 (15010508) 36.89200 (15010508) 39.64317
(16052806) 44.60620 (15123108) 46.21839 (15011308)
3601597.5 | 31.52100 (15010508) 31.54511 (16052806) 37.23143
(16052806) 37.61103 (16021102) 55.02159 (17020408)
3601347.5 | 26.79969 (15021520) 32.13151 (16052806) 33.55639
(15123108) 33.13112 (15123001) 62.45660 (17020408)
3601097.5 | 27.34872 (16052806) 28.77636 (16052806) 29.32654
(16021102) 41.33450 (17020408) 61.93414 (17020408)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP2
INCLUDING SOURCE(S): SP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

```

Y-COORD (METERS)	X-COORD (METERS)
507868.86	508118.86
508868.86	508368.86

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3606097.5 | 38.33636 (16120206) 53.72107 (17022408) 24.62364
(16112208) 14.95126 (15123009) 42.28434 (17032607)
3605847.5 | 76.98073 (17021508) 111.18567 (16120908) 49.91831
(17022408) 34.38951 (15111919) 93.19077 (17032607)
3605597.5 | 95.30501 (17021508) 124.43049 (16120908) 73.97791
(16020207) 99.05300 (15010907) 98.46615 (17032607)
3605347.5 | 83.11164 (16012808) 126.11610 (16120908) 71.57869
(17022408) 39.54667 (16091507) 120.72248 (17120924)
3605097.5 | 118.23911 (15021508) 131.49122 (16012808) 42.42296
(17022408) 38.42318 (17032607) 39.28985 (17032607)
3604847.5 | 179.45648 (16021523) 190.39840 (16012808) 99.26810
(17022408) 55.98529 (17032607) 25.04859 (17032607)
3604597.5 | 278.11121 (16120708) 183.43452 (15021508) 70.49117
(15092607) 93.23056 (17032607) 31.46663 (16111708)

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3604347.5 | 293.10655 (15032407) 332.76296 (16120708) 275.36349
(16120206) 225.86507 (17032607) 63.31194 (17020109)
3604097.5 | 399.92479 (15120108) 464.25241 (15032407) 559.05774
(16100607) 721.59924 (17011124) 425.45483 (1501307)
3603847.5 | 349.61433 (15012708) 668.84600 (15012708) 1230.37435
(16031307) 1970.14008 (15101307) 399.60653 (16030702)
3603597.5 | 256.97775 (15021021) 444.37344 (15011108) 788.43596
(15032207) 493.14788 (17092823) 166.24307 (16040807)
3603347.5 | 253.36931 (16031707) 251.34328 (15010508) 465.17498
(15032307) 507.86042 (17010608) 107.33121 (15021708)
3603097.5 | 135.87358 (15010508) 178.69199 (15123108) 221.82362
(15032307) 303.05737 (17010308) 323.16588 (15121508)
3602847.5 | 107.96212 (16052806) 143.20835 (17012608) 155.29906
(15011408) 190.39095 (17010308) 173.03506 (15121508)
3602597.5 | 87.84542 (15123108) 123.52843 (15032307) 124.29259
(15011408) 141.45350 (17010308) 134.69409 (17010608)
3602347.5 | 72.49991 (15011308) 92.99444 (17020408) 104.63563
(15120608) 109.48729 (17010308) 98.86106 (17010608)
3602097.5 | 77.81787 (17020408) 64.57278 (17020408) 89.33952
(15120608) 87.39713 (17010308) 68.43723 (15020520)
3601847.5 | 79.10462 (17020408) 49.37235 (16120822) 76.82726
(15120608) 71.68362 (17010308) 58.62125 (17062106)
3601597.5 | 68.89649 (17020408) 44.93956 (16012208) 66.65978
(15120608) 59.83190 (17010308) 52.43998 (17062106)
3601347.5 | 54.77659 (17020408) 42.09074 (16012208) 58.46828
(15120608) 51.11911 (17010308) 46.07208 (17062106)
3601097.5 | 40.99799 (17020408) 38.50454 (16012208) 51.78139
(15120608) 43.97431 (17010308) 40.09507 (17062106)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP2
INCLUDING SOURCE(S): SP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD (METERS)	X-COORD (METERS)
509118.86	509368.86
510118.86	509618.86

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3606097.5 | 21.97102 (17032607) 13.56089 (16083007) 10.30072
(16111708) 11.99360 (17020109) 9.85143 (17020109)
3605847.5 | 15.59261 (17032607) 76.63502 (15122821) 18.45282
(16083007) 12.01751 (17020109) 9.71508 (17121809)
3605597.5 | 76.19275 (15021924) 66.13088 (15122821) 36.70189
(15092321) 19.98698 (17020109) 14.20147 (17121809)
3605347.5 | 96.80049 (15122821) 79.05133 (16120518) 87.97843
(17022521) 19.65000 (16092207) 15.30020 (17121809)
3605097.5 | 27.25609 (16083007) 17.03983 (17020109) 22.86739
(16092207) 48.41615 (17040402) 20.57480 (17012609)
3604847.5 | 20.34110 (17020109) 17.60693 (17121809) 20.13640
(17121809) 13.93891 (17032908) 20.70538 (17100708)
3604597.5 | 20.91617 (17020109) 24.33356 (17121809) 15.88072
(17032908) 12.95082 (17100708) 18.19992 (17122309)

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Otay Hills Quarry AERMOD Output File (HRA)

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3604347.5 | 38.43793 (17012609) 35.50089 (17032908) 29.80670
(17032608) 39.93857 (16040707) 48.55926 (16040707)
3604097.5 | 66.88702 (17122309) 73.05212 (16040707) 59.00993
(16040707) 32.06434 (16040707) 17.41672 (17082707)
3603847.5 | 165.17754 (15090401) 63.22289 (16090707) 39.15000
(17082707) 25.98392 (17030408) 21.04006 (17030408)
3603597.5 | 47.79283 (16012817) 52.16589 (17122709) 33.40468
(17062607) 31.75518 (15062407) 26.39462 (16052106)
3603347.5 | 101.91959 (16111408) 86.20571 (16040807) 147.87247
(15012119) 47.63929 (17122709) 80.04973 (17060506)
3603097.5 | 69.68392 (15021708) 248.80295 (17040307) 180.36094
(17011308) 158.45083 (16121122) 142.61475 (17022805)
3602847.5 | 271.84611 (17021408) 163.45263 (17040307) 150.17762
(17040307) 135.62307 (15031607) 109.83330 (17011308)
3602597.5 | 137.60139 (15121508) 144.67208 (17021408) 121.55266
(17040307) 128.13766 (17040307) 89.76513 (15031607)
3602347.5 | 106.91717 (15121508) 89.42359 (17021408) 96.72936
(17021408) 94.25178 (17040307) 101.30205 (17040307)
3602097.5 | 70.11323 (17010608) 84.41509 (15121508) 90.94094
(17021408) 63.65883 (17021408) 103.51651 (17040307)
3601847.5 | 68.35322 (17010608) 73.73333 (15121508) 58.76892
(16010602) 77.79557 (17021408) 53.15791 (17022803)
3601597.5 | 59.39449 (17010608) 54.03349 (15121508) 59.12374
(15121508) 54.75632 (17021408) 62.08797 (17021408)
3601347.5 | 48.20048 (17010608) 43.01553 (17010608) 54.14273
(15121508) 41.46753 (16010602) 55.38529 (17021408)
3601097.5 | 37.59837 (17010608) 43.15174 (17010608) 43.48834
(15121508) 44.86861 (15121508) 38.35113 (16010602)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP2 ***
INCLUDING SOURCE(S): SP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)
(METERS) | 510368.86 510618.86 510868.86
511118.86
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3606097.5 | 9.74669 (17121809) 12.24904 (17121809) 11.52920
(17121809) 8.61284 (17121809)
3605847.5 | 13.16326 (17121809) 12.53874 (17121809) 9.02058
(17121809) 8.73294 (17032908)
3605597.5 | 13.76343 (17121809) 9.73957 (17032908) 9.22190
(17032908) 7.11611 (17032908)
3605347.5 | 10.90647 (17032908) 9.70435 (17032908) 7.78266
(17100708) 8.23199 (17100708)
3605097.5 | 9.99752 (17032908) 9.20614 (17100708) 10.53742
(17122309) 13.13224 (17122309)
3604847.5 | 14.59885 (16082307) 15.18700 (17122309) 18.02159
(16040707) 26.80807 (16040707)
3604597.5 | 25.85508 (16040707) 36.07614 (16040707) 37.30326
(16040707) 31.62960 (16040707)

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3604347.5 | 40.52992 (16040707) 27.39997 (16040707) 16.39511
(16040707) 11.42746 (17082707)
3604097.5 | 16.61150 (17082707) 15.21571 (17082707) 14.45685
(16090707) 13.94164 (16090707)
3603847.5 | 18.21613 (17030408) 16.47066 (17030408) 15.16121
(17030408) 14.12215 (17030408)
3603597.5 | 24.10368 (16052106) 14.99762 (15062407) 14.38659
(15062407) 13.83791 (15062407)
3603347.5 | 33.55042 (17050123) 15.29584 (17082908) 10.76862
(15061907) 10.10965 (15061907)
3603097.5 | 35.16812 (17122709) 17.30398 (17122709) 15.79732
(17122709) 13.74633 (17122709)
3602847.5 | 108.94582 (16121122) 38.41597 (15022408) 28.46643
(15022408) 16.85559 (15022408)
3602597.5 | 66.84859 (16040807) 46.60512 (16040807) 41.45604
(16040807) 33.16853 (15022408)
3602347.5 | 73.16038 (17010220) 84.49763 (15031607) 39.92053
(17030301) 82.22706 (16040807)
3602097.5 | 120.25494 (17040307) 53.58557 (17040307) 54.23871
(15031607) 54.10445 (17011308)
3601847.5 | 89.28839 (17040307) 70.73028 (17040307) 48.30300
(17040307) 38.95670 (15031607)
3601597.5 | 45.65889 (15011201) 54.05459 (17040307) 62.95581
(17040307) 44.08940 (17040307)
3601347.5 | 47.78640 (17021408) 36.42729 (15011201) 46.43445
(17040307) 52.81455 (17040307)
3601097.5 | 50.39015 (17021408) 36.25901 (17021408) 32.22456
(15011201) 41.29954 (17040307)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP2 ***
INCLUDING SOURCE(S): SP2 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD
(M) Y-COORD (M) CONC (YYMMDDHH)
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508226.78 3603955.63 632.22008 (15021008)
507708.67 3603932.32 299.40292 (15012708)
506203.59 3603369.23 63.36106 (17121708)
507919.87 3604794.52 168.73085 (16021523)
507037.89 3604916.08 89.26333 (17020108)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP6 ***

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Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): SP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)
504868.86	505118.86		504618.86

3606097.5 25.14620 (15020808)	24.63243 (16020408)	25.01630
(16012908) 30.41009 (17020308)	30.68929 (17010508)	
3605847.5 36.62025 (15120108)	31.88251 (15120108)	29.80286
(15020808) 29.67272 (16020408)	32.56805 (16012908)	
3605597.5 43.43809 (15120108)	46.27848 (15120108)	45.84576
(15120108) 42.18853 (15120108)	39.19457 (15020808)	
3605347.5 34.95513 (15120108)	42.01179 (15120108)	50.14715
(15120108) 55.88482 (15120108)	58.63249 (15120108)	
3605097.5 29.58735 (15012708)	31.10068 (17032907)	34.84337
(17032907) 44.49284 (15120108)	57.18019 (15120108)	
3604847.5 34.76043 (15012708)	37.34335 (15012708)	37.79296
(15012708) 38.39276 (15012708)	41.04850 (15012708)	
3604597.5 31.31966 (16020508)	34.97661 (16020508)	39.15313
(16020508) 44.43831 (16020508)	53.55807 (15012708)	
3604347.5 26.20795 (15013008)	27.07888 (15013008)	28.63185
(15013008) 31.71423 (16020508)	40.07541 (16020508)	
3604097.5 28.12994 (15013008)	31.84918 (15013008)	34.09439
(15013008) 37.51097 (15013008)	41.92937 (15013008)	
3603847.5 34.58025 (17121208)	38.00059 (17121208)	43.45364
(17121208) 46.88006 (17121208)	53.69428 (17121208)	
3603597.5 23.88526 (17121208)	24.91416 (17121208)	27.92688
(17010904) 30.79611 (17010904)	33.10224 (17010904)	
3603347.5 27.07512 (17121708)	30.36974 (17121708)	33.97243
(17121708) 36.97610 (17121708)	40.03256 (17121708)	
3603097.5 24.74127 (17121708)	24.67608 (17121708)	26.08173
(15021021) 30.16869 (15021021)	31.63759 (15122019)	
3602847.5 21.86670 (15122019)	23.10171 (15122019)	26.31841
(17122621) 27.91567 (17122621)	30.65119 (17021924)	
3602597.5 21.21325 (17021924)	23.15527 (17021924)	26.35940
(15092907) 31.04799 (15092907)	32.75838 (15092907)	
3602347.5 25.93831 (15092907)	27.80766 (15092907)	26.81086
(15092907) 27.88593 (15011108)	31.68812 (15011108)	
3602097.5 21.93421 (15092907)	23.84769 (15011108)	27.51831
(17092807) 31.24874 (17092807)	38.03088 (15092707)	
3601847.5 25.43547 (17092807)	28.07079 (17092807)	32.01939
(15092707) 40.52149 (15092707)	42.93786 (15092707)	
3601597.5 27.97716 (15092707)	35.77203 (15092707)	38.81951
(15092707) 35.01241 (15092707)	27.83212 (15032207)	
3601347.5 35.69841 (15092707)	34.19424 (15092707)	26.97962
(15092707) 23.76104 (15032207)	21.15997 (15032207)	
3601097.5 28.33571 (15092707)	21.44709 (15032207)	20.37024
(15032207) 17.27030 (15032207)	18.30038 (17122924)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SP6 ***

INCLUDING SOURCE(S): SP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS)
506118.86	506368.86		505868.86

3606097.5 37.27261 (17040507)	35.20474 (17040507)	42.09253
(17020108) 47.50649 (15032407)	71.02159 (16120208)	
3605847.5 38.60612 (17020308)	40.92288 (15021008)	43.21926
(15120308) 47.82682 (17020108)	54.94295 (15032407)	
3605597.5 37.24564 (16020408)	43.96468 (17020308)	47.72266
(17020308) 53.89297 (15120308)	55.21868 (17020108)	
3605347.5 54.65060 (15120108)	49.05716 (15020808)	46.45796
(16020408) 59.43049 (17020308)	64.80975 (15021008)	
3605097.5 68.44581 (15120108)	78.13391 (15120108)	74.56404
(15120108) 63.96416 (15020808)	63.18517 (16012908)	
3604847.5 44.92193 (15120108)	63.50350 (15120108)	86.58182
(15120108) 102.60058 (15120108)	105.70194 (15120108)	
3604597.5 51.66359 (15012708)	56.71159 (15012708)	55.28143
(15012708) 65.89440 (15120108)	102.26790 (15120108)	
3604347.5 50.28534 (16020508)	61.73244 (16020508)	69.39338
(16020508) 70.42300 (16020508)	86.65118 (15012708)	
3604097.5 47.47343 (15013008)	57.08391 (15013008)	63.10443
(15013008) 61.86809 (15013008)	66.22956 (15013008)	
3603847.5 61.91452 (17121208)	67.75132 (17121208)	71.32569
(17121208) 81.92891 (17121208)	92.22851 (17121208)	
3603597.5 38.33778 (17122908)	44.14255 (17121708)	52.00382
(17121708) 63.32781 (17121708)	82.04675 (17121708)	
3603347.5 42.76191 (17121708)	44.50296 (17121708)	45.52170
(15021021) 54.49219 (15021021)	62.97654 (15122019)	
3603097.5 33.88171 (15122019)	39.95502 (17122621)	43.86542
(17021924) 52.23339 (15010407)	61.39916 (16122906)	
3602847.5 33.25859 (15010407)	38.61571 (17012206)	43.49533
(16122906) 54.44285 (15011108)	66.50944 (17121308)	
3602597.5 34.46371 (15011108)	40.92262 (15011108)	46.32507
(17121308) 59.99344 (16031707)	69.57453 (15092707)	
3602347.5 36.47956 (17092807)	46.82913 (15092707)	57.10938
(15092707) 50.34852 (15092707)	48.72376 (15032207)	
3602097.5 47.53825 (15092707)	46.74394 (15092707)	41.17002
(15032207) 36.48439 (15032207)	33.80846 (15010718)	
3601847.5 35.10171 (15092707)	32.97502 (15032207)	27.67043
(15032207) 28.78369 (15010718)	31.38107 (16032607)	
3601597.5 26.13298 (15032207)	22.70127 (17122924)	24.37971
(17011023) 27.08835 (16032607)	31.10706 (15010508)	
3601347.5 20.24434 (17122924)	21.33878 (17011023)	23.45132
(16032607) 26.92625 (15010508)	25.48049 (17012624)	
3601097.5 19.22631 (17020101)	20.84052 (16032607)	24.11664
(15010508) 22.78271 (17012624)	24.39962 (16052806)	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc 05/16/19

*** AERMET - VERSION 18081 ***

*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SP6 ***

Otay Hills Quarry AERMOD Output File (HRA)

```
INCLUDING SOURCE(S):      SP6      ,
*** NETWORK ID: UCART1    ; NETWORK TYPE:
GRIDCART ***
**
** CONC OF TAC      IN MICROGRAMS/M**3
Y-COORD |      506618.86      506868.86      X-COORD (METERS)
(METERS) |      507118.86
507368.86      507618.86
-----
3606097.5 |      77.79692 (16120208)      57.10851 (16120708)      99.73379
(15021508) |      107.05195 (15021508)      89.99381 (17021508)
3605847.5 |      79.74252 (16120208)      83.64233 (16120208)      65.20970
(16120708) |      125.87640 (15021508)      89.97620 (16100607)
3605597.5 |      64.82137 (15032407)      89.36716 (16120208)      84.68487
(16120708) |      111.21193 (17013021)      126.65497 (15021508)
3605347.5 |      67.40726 (17020108)      78.15790 (15032407)      104.68342
(17013108) |      103.95739 (16120708)      109.34982 (15021508)
3605097.5 |      76.89558 (17020308)      87.51002 (15120308)      112.55926
(15032407) |      135.45481 (16120208)      129.05702 (16120708)
3604847.5 |      87.98216 (15020808)      101.39754 (17020308)      123.70726
(15021008) |      157.62065 (17020108)      236.56609 (17013108)
3604597.5 |      146.48239 (15120108)      166.69378 (15120108)      137.02623
(15020808) |      175.42866 (17020308)      244.33060 (17020108)
3604347.5 |      98.48471 (15012708)      109.14192 (15120108)      195.77799
(15120108) |      302.54744 (15120108)      258.16078 (15120108)
3604097.5 |      76.68272 (15013008)      108.83759 (16020508)      157.37294
(16020508) |      202.25458 (15012708)      284.62875 (15012708)
3603847.5 |      103.83450 (17121208)      126.18971 (17121208)      156.34121
(17121208) |      207.92094 (17121208)      296.08724 (17121208)
3603597.5 |      94.45656 (17121708)      106.89366 (17121708)      120.66072
(17121708) |      136.87628 (15122019)      190.36995 (17021924)
3603347.5 |      75.52693 (17122621)      84.54038 (17021924)      109.44964
(16122906) |      157.00774 (17121308)      199.41000 (16031707)
3603097.5 |      75.29407 (15011108)      92.27700 (17121308)      120.87651
(16031707) |      124.89952 (15032207)      104.30739 (17011023)
3602847.5 |      85.38323 (16031707)      84.74007 (16031707)      84.07512
(15032207) |      74.79862 (17020101)      85.59601 (15010508)
3602597.5 |      64.07916 (15032207)      56.15480 (15032207)      59.23635
(16032607) |      66.87666 (15010508)      81.19848 (16052806)
3602347.5 |      41.41471 (17122924)      46.09514 (16032607)      54.55928
(15010508) |      60.28060 (16052806)      62.37827 (15123108)
3602097.5 |      36.73562 (16032607)      43.95721 (15010508)      43.18275
(16052806) |      52.93042 (16052806)      51.10781 (15020621)
3601847.5 |      36.34828 (15010508)      35.57462 (15021520)      44.30917
(16052806) |      41.66094 (15123108)      58.03651 (17020408)
3601597.5 |      29.61637 (15012007)      36.75644 (16052806)      36.89183
(15123108) |      36.84416 (15020621)      72.95954 (17020408)
3601347.5 |      29.68175 (16052806)      33.81376 (16052806)      32.30524
(16021102) |      40.75101 (17020408)      74.53521 (17020408)
3601097.5 |      30.12182 (16052806)      29.39491 (15123108)      29.37026
(15020621) |      55.05893 (17020408)      67.08876 (17020408)
*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP6 ***
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```
INCLUDING SOURCE(S):      SP6      ,
*** NETWORK ID: UCART1    ; NETWORK TYPE:
GRIDCART ***
**
** CONC OF TAC      IN MICROGRAMS/M**3
Y-COORD |      507868.86      508118.86      X-COORD (METERS)
(METERS) |      508368.86
508618.86      508868.86
-----
3606097.5 |      39.03051 (16120206)      64.89120 (17022408)      22.88598
(15123009) |      17.08694 (17032607)      50.70920 (17032607)
3605847.5 |      87.95950 (17021508)      107.06918 (16120908)      49.77770
(15123009) |      38.64607 (16091507)      101.71848 (17032607)
3605597.5 |      114.47195 (17021508)      133.54909 (16120908)      87.35397
(16020207) |      102.40954 (15010907)      99.59294 (17011124)
3605347.5 |      93.01987 (16012808)      147.95761 (16120908)      76.24476
(17022408) |      53.52219 (16091507)      121.88733 (17011124)
3605097.5 |      155.34921 (15021508)      139.52711 (17070706)      48.49034
(17022408) |      62.30648 (17032607)      22.77996 (16010705)
3604847.5 |      197.88754 (16010202)      177.05736 (16012808)      70.82272
(15123009) |      92.77085 (17032607)      24.22144 (16111708)
3604597.5 |      330.11175 (17013108)      245.40633 (15021508)      87.85769
(15092607) |      146.48143 (17032607)      44.05452 (16111708)
3604347.5 |      341.47586 (15120308)      589.57707 (16120708)      272.71595
(16120206) |      189.68043 (17032607)      67.46991 (16092207)
3604097.5 |      672.12871 (15120108)      709.58653 (17020308)      1283.76202
(16021523) |      1304.36051 (17032207)      364.95026 (17110207)
3603847.5 |      477.43640 (17121208)      809.64692 (17121208)      2505.64816
(17121708) |      2796.99044 (15013107)      305.45012 (15082523)
3603597.5 |      330.84256 (15011108)      480.59245 (15032207)      773.38900
(15032307) |      287.50745 (17090706)      172.43153 (16013009)
3603347.5 |      183.24455 (15032207)      253.12080 (16052806)      344.05075
(15032307) |      489.47454 (17010608)      87.24519 (17010522)
3603097.5 |      126.81325 (16052806)      162.89053 (15011308)      220.40570
(15011408) |      279.34137 (17062106)      308.47080 (15121508)
3602847.5 |      109.13325 (16052806)      151.38136 (17020408)      157.11307
(15120608) |      155.27345 (17010308)      145.74598 (15121508)
3602597.5 |      81.07693 (15020621)      117.16757 (17020408)      128.10670
(15120608) |      122.03586 (17010308)      120.31831 (17010608)
3602347.5 |      89.85529 (17020408)      72.79187 (17020408)      103.39630
(15120608) |      99.35376 (17010308)      90.61363 (17010608)
3602097.5 |      97.31807 (17020408)      56.26118 (15021703)      85.21590
(15120608) |      80.50925 (17010308)      64.15352 (15020520)
3601847.5 |      83.76917 (17020408)      50.61961 (16012208)      72.35665
(15120608) |      67.05855 (17010308)      56.53396 (17062106)
3601597.5 |      62.55064 (17020408)      46.89879 (16012208)      61.89137
(15120608) |      57.06931 (17010308)      52.57336 (17062106)
3601347.5 |      43.12693 (17020408)      42.24563 (15011408)      54.42538
(15120608) |      49.06916 (17010308)      47.23811 (17062106)
3601097.5 |      33.19099 (17111908)      39.40226 (15011408)      48.69805
(15120608) |      42.94345 (17010308)      41.39139 (17062106)
*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP6 ***
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Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): SP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 509118.86 509368.86 X-COORD (METERS) 509618.86

509868.86 510118.86

3606097.5 | 11.61043 (17032607) 18.46994 (16083007) 12.82244

(17020109) 13.62910 (17020109) 8.40923 (17020109)

3605847.5 | 10.90039 (16083007) 75.84080 (15122821) 19.70283

(17091007) 11.34839 (17020109) 13.71130 (17121809)

3605597.5 | 71.08899 (15021924) 62.07446 (15052306) 40.61861

(16100201) 28.18792 (17121809) 17.53677 (17121809)

3605347.5 | 108.36748 (15122821) 83.02933 (17032207) 89.03669

(16072606) 21.12624 (17012509) 13.84381 (17121809)

3605097.5 | 31.81610 (16083007) 15.88038 (17020109) 24.73069

(17012509) 53.65044 (15090405) 16.69337 (15110508)

3604847.5 | 23.79638 (17020109) 26.25133 (17121809) 17.66101

(17032908) 13.00097 (17032908) 26.68173 (17100708)

3604597.5 | 31.67866 (17121809) 21.54454 (17032908) 16.35984

(17100708) 22.86382 (17122309) 33.23458 (16040707)

3604347.5 | 44.80763 (15082707) 42.00112 (17100708) 57.21711

(16040707) 61.45846 (16040707) 39.33191 (16040707)

3604097.5 | 216.46865 (16040707) 52.45462 (16040707) 26.31210

(17082707) 23.46515 (17082707) 21.88716 (16090707)

3603847.5 | 130.85738 (15012017) 77.70869 (15062407) 35.28132

(17030408) 28.11132 (15062407) 24.96220 (15062407)

3603597.5 | 103.12737 (15022408) 42.23261 (15122117) 55.75130

(17122709) 34.56164 (17062607) 21.87447 (15061907)

3603347.5 | 105.53034 (16111408) 84.11385 (16040807) 139.54991

(16040807) 45.01013 (15022408) 77.06423 (17091920)

3603097.5 | 52.84430 (17122909) 318.45353 (17040307) 165.79883

(15031607) 149.44384 (17011308) 138.02179 (16121122)

3602847.5 | 217.78890 (15121506) 123.36603 (15011201) 162.64216

(17040307) 131.68674 (17010220) 108.30153 (17011308)

3602597.5 | 134.04024 (15121508) 135.07889 (17021408) 96.43716

(15011201) 136.00573 (17040307) 86.97300 (16011523)

3602347.5 | 94.36081 (15121508) 83.73855 (16010602) 103.74938

(17021408) 72.38485 (15011201) 103.36069 (17040307)

3602097.5 | 63.76040 (17010608) 81.09676 (15121508) 79.19536

(17021408) 70.92743 (17021408) 93.96837 (15011201)

3601847.5 | 64.19585 (17010608) 68.26728 (15121508) 55.79024

(16010602) 72.58547 (17021408) 55.69940 (17022803)

3601597.5 | 56.42053 (17010608) 48.71928 (15121508) 56.48405

(15121508) 48.81716 (16010602) 61.86594 (17021408)

3601347.5 | 46.28942 (17010608) 41.22441 (17010608) 49.46007

(15121508) 40.42851 (15121508) 49.44594 (17021408)

3601097.5 | 36.28743 (17010608) 41.61688 (17010608) 39.35338

(15121508) 43.48046 (15121508) 38.20468 (16010602)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SP6 ***

INCLUDING SOURCE(S): SP6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 510368.86 510618.86 X-COORD (METERS) 510868.86

511118.86

3606097.5 | 13.24728 (17121809) 14.52737 (17121809) 10.97844

(17121809) 9.88900 (17032908)

3605847.5 | 15.87962 (17121809) 11.74469 (17121809) 10.67210

(17032908) 8.83703 (17032908)

3605597.5 | 12.71431 (17121809) 11.52616 (17032908) 8.73239

(17032908) 8.50934 (17100708)

3605347.5 | 12.30523 (17032908) 8.80427 (17100708) 9.90763

(17100708) 10.68304 (17122309)

3605097.5 | 11.01741 (17100708) 11.52303 (17122309) 15.81555

(17122309) 16.72565 (17122309)

3604847.5 | 19.40757 (16082307) 21.25708 (16040707) 34.24719

(16040707) 39.24730 (16040707)

3604597.5 | 47.57902 (16040707) 44.35555 (16040707) 31.67175

(16040707) 19.32172 (16040707)

3604347.5 | 19.42922 (16040707) 15.13571 (17082707) 15.35382

(17082707) 14.86561 (17082707)

3604097.5 | 20.21162 (16090707) 18.19769 (16090707) 16.19147

(16090707) 14.24082 (16121409)

3603847.5 | 22.54665 (15062407) 20.62566 (15062407) 19.05547

(15062407) 17.74406 (15062407)

3603597.5 | 22.06214 (15061907) 17.30678 (15061907) 14.37932

(15061907) 11.80068 (15061907)

3603347.5 | 42.28187 (17122709) 17.79603 (17082908) 13.47573

(17122709) 10.93148 (17062607)

3603097.5 | 44.09845 (15022408) 24.48935 (15022408) 17.90499

(17122709) 16.94655 (17122709)

3602847.5 | 118.55988 (16040807) 45.96002 (16040807) 39.89841

(15022408) 27.97864 (15022408)

3602597.5 | 72.23383 (15011223) 39.44943 (16040807) 50.37636

(16040807) 39.76826 (16040807)

3602347.5 | 79.07338 (17040307) 74.21331 (16010101) 39.74016

(16071324) 77.68002 (16040807)

3602097.5 | 118.04364 (17040307) 63.30856 (17040307) 51.16738

(17010220) 52.72914 (15031607)

3601847.5 | 77.83929 (15011201) 69.02399 (17040307) 53.73824

(17040307) 40.11766 (17010220)

3601597.5 | 48.87813 (17022803) 42.72501 (17040307) 61.54279

(17040307) 46.44847 (17040307)

3601347.5 | 49.62328 (17021408) 34.37569 (17022803) 36.35491

(17040307) 50.52740 (17040307)

3601097.5 | 46.28144 (17021408) 38.49313 (17021408) 29.96285

(15011201) 33.93787 (17040307)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 *** ***

*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SP6 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): SP6 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
508226.78	3603955.63	1668.38028 (15120108)	507708.67	3603932.32	295.75528 (15013008)
506203.59	3603369.23	57.38142 (15021021)	507919.87	3604794.52	183.95954 (15021508)
507037.89	3604916.08	112.79830 (15021008)			

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SP7

INCLUDING SOURCE(S): SP7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)	Y-COORD (METERS)	X-COORD (METERS)
504868.86	504118.86	504368.86	504618.86

3606097.5	24.88502 (15020808)	24.24384 (16020408)	25.15194
(16012908)	30.39174 (17020308)	30.63390 (17010508)	
3605847.5	36.24618 (15120108)	31.51536 (15120108)	29.47433
(15020808)	29.28641 (16020408)	32.88548 (17020308)	
3605597.5	43.43017 (15120108)	45.75278 (15120108)	45.11202
(15120108)	41.04021 (15120108)	38.96582 (15020808)	
3605347.5	35.40426 (15120108)	42.72157 (15120108)	50.24109
(15120108)	55.61293 (15120108)	57.81709 (15120108)	
3605097.5	29.21740 (15012708)	31.54990 (17032907)	35.68307
(15120108)	45.55367 (15120108)	57.93562 (15120108)	
3604847.5	34.95580 (15012708)	37.36336 (15012708)	37.77976
(15012708)	37.86785 (15012708)	41.36520 (17032907)	
3604597.5	31.81582 (16020508)	35.45108 (16020508)	39.39418
(16020508)	44.92692 (15012708)	53.91125 (15012708)	
3604347.5	26.01238 (15013008)	26.79350 (15013008)	28.50841
(16011524)	32.99577 (16020508)	41.54637 (16020508)	
3604097.5	28.53711 (15013008)	32.02628 (15013008)	34.35828
(15013008)	37.72795 (15013008)	42.13091 (15013008)	
3603847.5	34.70712 (17121208)	38.19458 (17121208)	43.79757
(17121208)	47.25521 (17121208)	54.22067 (17121208)	
3603597.5	24.64234 (17121208)	26.11261 (17121208)	28.32503
(17121208)	30.99531 (17010904)	33.40317 (17010904)	
3603347.5	26.79694 (17121708)	30.12454 (17121708)	33.99959
(17121708)	37.14748 (17121708)	40.57809 (17121708)	

3603097.5	25.35624 (17121708)	25.60489 (17121708)	26.12749
(16011422)	30.33843 (15021021)	31.98259 (15021021)	
3602847.5	21.95529 (15122019)	23.49468 (15122019)	26.36008
(17122621)	28.23628 (17122621)	30.74071 (17021924)	
3602597.5	21.21746 (16010301)	23.26223 (17021924)	25.65126
(15092907)	30.76141 (15092907)	33.21045 (15092907)	
3602347.5	25.70081 (15092907)	27.95648 (15092907)	27.56892
(15092907)	27.91015 (15011108)	31.86197 (15011108)	
3602097.5	22.73263 (15092907)	23.88942 (15011108)	26.96325
(17092807)	31.37799 (17092807)	36.85736 (15092707)	
3601847.5	24.93520 (17092807)	28.18549 (17092807)	30.97505
(15092707)	40.23657 (15092707)	43.75599 (15092707)	
3601597.5	27.34482 (15092707)	35.48760 (15092707)	39.13431
(15092707)	36.09478 (15092707)	28.06613 (15032207)	
3601347.5	35.83435 (15092707)	35.03045 (15092707)	28.40232
(15092707)	24.12518 (15032207)	21.94314 (15032207)	
3601097.5	29.05675 (15092707)	21.59738 (15032207)	20.87976
(15032207)	17.98697 (15032207)	18.42613 (17122924)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SP7

INCLUDING SOURCE(S): SP7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)	Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86	505618.86	505868.86

3606097.5	37.48053 (17040507)	34.79803 (17040507)	41.92958
(17020108)	47.36172 (15032407)	71.54487 (16120208)	
3605847.5	38.56430 (17020308)	41.10607 (15021008)	43.01965
(15120308)	47.60199 (17020108)	54.90254 (15032407)	
3605597.5	36.75812 (16020408)	44.48898 (17020308)	48.06826
(17010508)	54.09333 (15120308)	55.27536 (17020108)	
3605347.5	53.49816 (15120108)	48.78928 (15020808)	46.80968
(16012908)	59.72672 (17020308)	65.14649 (15021008)	
3605097.5	68.36588 (15120108)	77.76351 (15120108)	73.14367
(15120108)	63.57622 (15020808)	64.62490 (17020308)	
3604847.5	46.17871 (15120108)	64.79369 (15120108)	87.54507
(15120108)	102.47373 (15120108)	103.70035 (15120108)	
3604597.5	51.74609 (15012708)	56.38703 (15012708)	54.02311
(15012708)	68.59570 (15120108)	105.38837 (15021008)	
3604347.5	51.71278 (16020508)	62.89168 (16020508)	70.14053
(16020508)	69.83460 (16020508)	86.83998 (15012708)	
3604097.5	47.65406 (15013008)	57.16120 (15013008)	62.77630
(15013008)	61.23854 (15013008)	64.50355 (15013008)	
3603847.5	62.57858 (17121208)	68.52984 (17121208)	72.02210
(17121208)	82.77680 (17121208)	92.97100 (17121208)	
3603597.5	37.80212 (17010904)	43.01224 (17122908)	50.64936
(17121708)	62.16613 (17121708)	81.70960 (17121708)	
3603347.5	43.57395 (17121708)	46.11680 (17121708)	47.22473
(17121708)	55.01124 (15021021)	64.02383 (15122019)	

Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 34.41999 (15122019) 40.20362 (17122621) 43.72795
(17021924) 52.76376 (15012003) 61.98547 (17012206)
3602847.5 | 33.44092 (15010407) 39.04818 (17012206) 43.84466
(16122906) 54.49525 (15011108) 66.72944 (17121308)
3602597.5 | 34.39143 (15011108) 41.13642 (15011108) 46.55347
(17121308) 59.89496 (16031707) 71.22658 (15092707)
3602347.5 | 36.60629 (17092807) 45.47204 (15092707) 57.50884
(15092707) 52.93435 (15092707) 50.41258 (15032207)
3602097.5 | 47.42592 (15092707) 48.22775 (15092707) 41.63796
(15032207) 38.20053 (15032207) 33.99768 (15010718)
3601847.5 | 36.76689 (15092707) 33.44607 (15032207) 28.78582
(15032207) 29.02925 (15010718) 31.47114 (16032607)
3601597.5 | 26.80643 (15032207) 22.74629 (17122924) 24.60706
(15010718) 27.18451 (16032607) 31.32748 (15010508)
3601347.5 | 20.36004 (17122924) 21.46558 (17011023) 23.57645
(16032607) 27.02795 (15010508) 25.73792 (17012624)
3601097.5 | 19.35086 (17011023) 20.96273 (16032607) 24.19054
(15010508) 23.24984 (15010508) 24.38302 (17011608)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP7 ***
INCLUDING SOURCE(S): SP7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

```

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

Y-COORD | X-COORD (METERS)
(METERS) |
507368.86 | 506618.86 506868.86 507118.86
- - - - -

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3606097.5 | 77.34997 (16120208) 56.60376 (16120708) 98.54683
(15021508) 105.97786 (15021508) 89.17092 (17021508)
3605847.5 | 80.18175 (16120208) 82.98665 (16120208) 65.03474
(17021401) 125.13197 (15021508) 89.15136 (16100607)
3605597.5 | 64.66624 (15032407) 89.77242 (16120208) 84.52999
(16120708) 112.42957 (17013021) 125.64169 (15021508)
3605347.5 | 68.57197 (17020108) 78.01831 (15032407) 103.11663
(17013108) 102.58808 (16120708) 109.53272 (15021508)
3605097.5 | 76.38125 (17020308) 87.03020 (15120308) 114.20416
(15032407) 135.93940 (16120208) 127.62495 (16120708)
3604847.5 | 86.92907 (15020808) 103.07645 (17020308) 123.65709
(15021008) 159.57036 (15032407) 229.53667 (17013108)
3604597.5 | 147.97418 (15120108) 164.74864 (15120108) 134.76898
(15020808) 174.18171 (17020308) 240.35398 (17020108)
3604347.5 | 97.10554 (15012708) 115.18610 (15120108) 201.75645
(15120108) 301.84470 (15120108) 242.47014 (15120108)
3604097.5 | 78.30745 (16020508) 113.34427 (16020508) 161.71607
(16020508) 205.18517 (15012708) 279.31042 (15012708)
3603847.5 | 103.90622 (17121208) 126.74720 (17121208) 157.05873
(17121208) 210.57901 (17121208) 303.66375 (17121208)
3603597.5 | 95.40101 (17121708) 110.14530 (17121708) 128.42326
(17121708) 139.23578 (15021021) 192.10519 (17021924)
3603347.5 | 76.52066 (17122621) 85.88180 (17021924) 110.02695
(16122906) 154.52678 (17121308) 205.95138 (16031707)

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3603097.5 | 74.63803 (15011108) 91.97799 (17121308) 122.36874
(16031707) 128.11218 (15032207) 106.21015 (15010718)
3602847.5 | 85.69958 (16031707) 88.24205 (16031707) 87.79598
(15032207) 75.67679 (17020101) 88.83602 (15010508)
3602597.5 | 65.13633 (15032207) 59.14511 (15032207) 59.26169
(17020101) 68.74097 (15010508) 81.82761 (16052806)
3602347.5 | 41.75755 (17122924) 45.94058 (16032607) 55.51530
(15010508) 59.65859 (16052806) 63.64780 (15123108)
3602097.5 | 36.83303 (16032607) 44.48328 (15010508) 42.74522
(15021520) 54.15960 (16052806) 51.83377 (15020621)
3601847.5 | 36.66294 (15010508) 35.78487 (15012007) 44.64024
(16052806) 42.62658 (15123108) 55.47199 (17020408)
3601597.5 | 29.74834 (15012007) 36.73274 (16052806) 37.20611
(16052806) 37.31536 (15020621) 71.51340 (17020408)
3601347.5 | 29.64449 (16052806) 34.37061 (16052806) 32.46890
(16021102) 38.85730 (17020408) 74.86310 (17020408)
3601097.5 | 30.36042 (16052806) 29.76775 (15123108) 29.74745
(15020621) 53.80970 (17020408) 68.25221 (17020408)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP7 ***
INCLUDING SOURCE(S): SP7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

```

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

Y-COORD | X-COORD (METERS)
(METERS) |
508618.86 | 507868.86 508118.86 508368.86
- - - - -

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3606097.5 | 35.98206 (16120206) 63.96097 (17022408) 22.76674
(15123009) 15.89049 (17032607) 50.80007 (17032607)
3605847.5 | 88.06181 (17021508) 105.30148 (16120908) 49.44290
(15123009) 37.41395 (16091507) 103.56971 (17032607)
3605597.5 | 113.78905 (17021508) 133.20895 (16120908) 86.88595
(16020207) 118.97087 (15010907) 95.86061 (17032607)
3605347.5 | 92.66991 (16012808) 148.21193 (16120908) 77.66862
(17022408) 52.21389 (16091507) 116.69195 (16031023)
3605097.5 | 156.37387 (15021508) 131.45993 (17070706) 49.06885
(17022408) 58.47100 (17032607) 23.06963 (16010705)
3604847.5 | 185.13924 (16010202) 168.12009 (16011719) 68.64820
(15123009) 88.10547 (17032607) 21.99281 (16111708)
3604597.5 | 336.68406 (17013108) 241.85149 (15021508) 87.38181
(15092607) 144.06307 (17032607) 45.03902 (16111708)
3604347.5 | 348.16867 (17020108) 587.36214 (16120708) 232.36797
(16120206) 209.79602 (17032607) 63.02059 (16092207)
3604097.5 | 696.21091 (15120108) 718.82494 (17020308) 1247.06012
(16021523) 1151.42418 (16120518) 338.96643 (15081905)
3603847.5 | 499.90421 (17121208) 852.32462 (17121208) 2708.56473
(17121208) 2421.97319 (16122918) 264.02907 (15012017)
3603597.5 | 330.81946 (15011108) 507.30610 (15032207) 747.08520
(15032307) 268.45896 (15071806) 149.59143 (16013009)
3603347.5 | 202.43751 (15032207) 251.91960 (16052806) 384.07908
(17122108) 510.23361 (17010608) 84.98998 (16010521)

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Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 128.65218 (15010508) 159.84914 (15020621) 221.05227
(15011408) 289.81141 (17062106) 319.07572 (15121508)
3602847.5 | 112.91625 (16052806) 150.86856 (17122108) 155.56960
(15011408) 161.07259 (17010308) 148.70068 (15121508)
3602597.5 | 82.63422 (15020621) 122.20028 (17020408) 128.14649
(15120608) 125.02807 (17010308) 122.55897 (17010608)
3602347.5 | 86.42493 (17020408) 77.68373 (17020408) 103.98728
(15120608) 101.01294 (17010308) 91.26289 (17010608)
3602097.5 | 97.48920 (17020408) 56.91037 (16120822) 85.71005
(15120608) 81.46826 (17010308) 65.00886 (15020520)
3601847.5 | 86.07148 (17020408) 50.01281 (16012208) 73.02060
(15120608) 67.64454 (17010308) 57.69096 (17062106)
3601597.5 | 65.03745 (17020408) 46.93474 (16012208) 62.42922
(15120608) 57.31983 (17010308) 53.46920 (17062106)
3601347.5 | 46.02349 (17020408) 42.48004 (16012208) 54.97277
(15120608) 49.26627 (17010308) 47.88527 (17062106)
3601097.5 | 33.94373 (17111908) 39.50054 (15011408) 49.29358
(15120608) 43.08524 (17010308) 41.82128 (17062106)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP7 ***
INCLUDING SOURCE(S): SP7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

```

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

Y-COORD | X-COORD (METERS)
(METERS) |
509868.86 | 509118.86 509368.86 509618.86
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3606097.5 | 12.65351 (17032607) 17.82701 (16083007) 12.53043
(17020109) 13.71358 (17020109) 8.70986 (17020109)
3605847.5 | 10.36855 (16010705) 75.69990 (15122821) 19.99928
(17091007) 11.70053 (17020109) 13.29203 (17121809)
3605597.5 | 68.67713 (15021924) 58.45429 (15052306) 35.74824
(16100201) 26.95699 (17121809) 17.51206 (17121809)
3605347.5 | 104.29608 (15122821) 80.36393 (15092321) 86.86729
(16072606) 21.43194 (17012509) 14.40310 (17121809)
3605097.5 | 32.26753 (16083007) 16.53161 (17020109) 25.04415
(17012509) 49.84920 (15090405) 16.62231 (15110508)
3604847.5 | 24.16095 (17020109) 25.69377 (17121809) 17.81524
(17121809) 13.62084 (17032908) 16.40517 (16082307)
3604597.5 | 30.40315 (17121809) 21.46747 (17032908) 15.97315
(17100708) 21.70556 (17122309) 29.54585 (16040707)
3604347.5 | 45.26848 (17012609) 42.20129 (17100708) 51.52478
(16040707) 62.43163 (16040707) 43.06920 (16040707)
3604097.5 | 210.64528 (16040707) 62.40303 (16040707) 25.55731
(17082707) 23.59659 (17082707) 21.39161 (16090707)
3603847.5 | 134.31432 (15012017) 78.08888 (15062407) 37.63801
(17030408) 28.00267 (15062407) 24.82501 (15062407)
3603597.5 | 101.77293 (15022408) 42.08599 (17122117) 39.76754
(17062607) 34.42944 (17062607) 23.11927 (15061907)
3603347.5 | 120.43882 (16111408) 89.31915 (16040807) 136.94934
(15022408) 46.78320 (17122709) 74.00023 (15091922)

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3603097.5 | 53.65066 (17122909) 314.86254 (17040307) 168.78901
(15031607) 145.15688 (16040807) 131.86361 (16123020)
3602847.5 | 223.18001 (16010602) 127.02844 (15011201) 165.92566
(17040307) 136.03079 (17010220) 110.66890 (17011308)
3602597.5 | 137.44141 (15121508) 137.17643 (17021408) 98.76264
(15011201) 138.97468 (17040307) 87.67188 (16011523)
3602347.5 | 95.76320 (15121508) 85.29586 (16010602) 105.25776
(17021408) 73.53255 (15011201) 105.46421 (17040307)
3602097.5 | 65.00936 (17010608) 82.46870 (15121508) 80.92758
(17021408) 71.34469 (17021408) 92.85008 (15011201)
3601847.5 | 65.21070 (17010608) 69.22403 (15121508) 56.73000
(16010602) 73.52127 (17021408) 56.68453 (17022803)
3601597.5 | 57.08272 (17010608) 49.21982 (15121508) 57.19909
(15121508) 49.40971 (16010602) 62.45150 (17021408)
3601347.5 | 46.59783 (17010608) 41.94527 (17010608) 49.90122
(15121508) 40.90184 (15121508) 50.20578 (17021408)
3601097.5 | 36.42103 (15020520) 42.19178 (17010608) 39.68269
(15121508) 43.97250 (15121508) 38.66335 (16010602)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP7 ***
INCLUDING SOURCE(S): SP7 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

```

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

Y-COORD | X-COORD (METERS)
(METERS) |
511118.86 | 510368.86 510618.86 510868.86
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```

3606097.5 | 12.96590 (17121809) 14.57302 (17121809) 11.33185
(17121809) 9.84293 (17032908)
3605847.5 | 15.88770 (17121809) 12.20315 (17121809) 10.66368
(17032908) 9.05253 (17032908)
3605597.5 | 13.21336 (17121809) 11.56737 (17032908) 8.98625
(17032908) 8.30664 (17100708)
3605347.5 | 12.45421 (17032908) 8.67183 (17100708) 9.80159
(17100708) 10.12706 (17122309)
3605097.5 | 10.79889 (17100708) 11.19269 (17100708) 15.33953
(17122309) 16.69293 (17122309)
3604847.5 | 19.27271 (16082307) 19.44438 (17122309) 32.33768
(16040707) 38.71217 (16040707)
3604597.5 | 45.88209 (16040707) 45.38220 (16040707) 33.81477
(16040707) 21.26728 (16040707)
3604347.5 | 22.38212 (16040707) 14.52352 (17082707) 15.14673
(17082707) 14.82205 (17082707)
3604097.5 | 20.19345 (16090707) 18.47720 (16090707) 16.53813
(16090707) 14.76786 (16090707)
3603847.5 | 22.38654 (15062407) 20.44594 (15062407) 18.86507
(15062407) 17.55248 (15062407)
3603597.5 | 22.60769 (15061907) 17.46001 (15061907) 14.27124
(15061907) 12.08567 (17042907)
3603347.5 | 41.80141 (17122709) 17.90540 (17082908) 13.02191
(17122709) 10.92888 (17062607)

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Otay Hills Quarry AERMOD Output File (HRA)

3603097.5	42.79041 (15022408)	22.68477 (15022408)	18.09137
(17122709)	16.92979 (17122709)		
3602847.5	119.70748 (16040807)	44.35113 (16040807)	39.42250
(15022408)	26.76172 (15022408)		
3602597.5	68.70466 (15011223)	41.17079 (16040807)	50.58876
(16040807)	38.59070 (16040807)		
3602347.5	77.91172 (17040307)	72.87688 (16010101)	38.09427
(16071324)	79.86612 (16040807)		
3602097.5	115.05120 (17040307)	63.41168 (17040307)	51.73791
(17010220)	53.19580 (15031607)		
3601847.5	77.88793 (15011201)	70.22848 (17040307)	53.87868
(17040307)	40.73299 (17010220)		
3601597.5	49.58797 (17022803)	43.83881 (17040307)	62.61136
(17040307)	46.52941 (17040307)		
3601347.5	49.90494 (17021408)	34.51520 (17022803)	37.30858
(17040307)	51.41389 (17040307)		
3601097.5	46.65137 (17021408)	38.63250 (17021408)	30.26270
(15011201)	34.94893 (17040307)		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 *** ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP7
 INCLUDING SOURCE(S): SP7 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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

508226.78	3603955.63	1782.43691 (15120108)	
507708.67	3603932.32	294.25545 (15013008)	
	506203.59	3603369.23 57.88703 (15021021)	
507919.87	3604794.52	183.01143 (15021508)	
	507037.89	3604916.08 112.41025 (15021008)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 *** ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP8
 INCLUDING SOURCE(S): SP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

(METERS)	504118.86	504368.86	504618.86
504868.86	505118.86		

3606097.5	24.53996 (15020808)	23.74382 (16020408)	25.26772
(16012908)	30.36021 (17020308)	30.58967 (17010508)	
3605847.5	35.23413 (15120108)	30.46598 (15120108)	29.08867
(15020808)	28.93893 (16020408)	33.45527 (17020308)	
3605597.5	43.34401 (15120108)	45.15841 (15120108)	44.12921
(15120108)	39.89237 (15120108)	38.69947 (15020808)	
3605347.5	36.27071 (15120108)	43.36017 (15120108)	50.55661
(15120108)	55.21781 (15120108)	56.75095 (15120108)	
3605097.5	28.47048 (15012708)	31.94126 (17032907)	36.71892
(15120108)	46.41789 (15120108)	58.69750 (15120108)	
3604847.5	35.07037 (15012708)	37.35634 (15012708)	37.42588
(15012708)	37.48166 (15012708)	41.93302 (17032907)	
3604597.5	32.30180 (16020508)	35.94187 (16020508)	39.52408
(16020508)	45.47027 (15012708)	54.28172 (15012708)	
3604347.5	25.47609 (15013008)	26.37645 (15013008)	28.51664
(16011524)	34.22009 (16020508)	43.06407 (16020508)	
3604097.5	28.68010 (15013008)	32.27812 (15013008)	34.56738
(15013008)	37.87400 (15013008)	42.30761 (15013008)	
3603847.5	34.79188 (17121208)	38.32646 (17121208)	44.04288
(17121208)	47.51027 (17121208)	54.57496 (17121208)	
3603597.5	25.78673 (17121208)	27.11473 (17121208)	29.73124
(17121208)	31.74473 (17121208)	33.64822 (17010904)	
3603347.5	26.43588 (17121708)	29.89792 (17121708)	33.87785
(17121708)	37.28200 (17121708)	40.93840 (17121708)	
3603097.5	25.96751 (17121708)	26.35599 (17121708)	26.23312
(16011422)	30.39265 (15021021)	32.28159 (15021021)	
3602847.5	22.05046 (15021021)	23.72288 (15122019)	26.38593
(17122621)	28.50510 (17122621)	30.76029 (17021924)	
3602597.5	21.30375 (16010301)	23.35806 (17021924)	25.55839
(15010407)	30.38424 (15092907)	33.50009 (15092907)	
3602347.5	25.39665 (15092907)	28.05771 (15092907)	28.14408
(15092907)	27.67227 (15011108)	32.02678 (15011108)	
3602097.5	23.46469 (15092907)	23.65406 (15011108)	26.25446
(17092807)	31.37736 (17092807)	35.53517 (15092707)	
3601847.5	24.46654 (17092807)	28.23605 (17092807)	30.03148
(15092707)	39.75173 (15092707)	44.36737 (15092707)	
3601597.5	26.18955 (15092707)	34.66369 (15092707)	39.30668
(15092707)	37.21058 (15092707)	28.34202 (15032207)	
3601347.5	35.82266 (15092707)	35.67333 (15092707)	29.46508
(15092707)	24.62022 (15032207)	22.29308 (15032207)	
3601097.5	30.36877 (15092707)	22.56013 (15092707)	21.07437
(15032207)	18.83580 (15032207)	18.52660 (17122924)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP8
 INCLUDING SOURCE(S): SP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		
3606097.5	37.65858 (17040507)	35.27830 (17020108)	41.74580
(17020108)	47.15613 (15032407)	72.04290 (16120208)	
3605847.5	38.46274 (17020308)	41.26913 (15021008)	42.73803
(15120308)	47.33354 (17020108)	54.78692 (15032407)	
3605597.5	36.20619 (16020408)	45.01054 (17020308)	48.37230
(17010508)	54.17873 (15120308)	55.28686 (17020108)	
3605347.5	52.52062 (15120108)	48.37844 (15020808)	47.80275
(16012908)	59.91063 (17020308)	65.34781 (15021008)	
3605097.5	68.21557 (15120108)	77.15233 (15120108)	71.49588
(15120108)	62.71193 (15020808)	66.11985 (17020308)	
3604847.5	47.86158 (15120108)	66.27668 (15120108)	88.59337
(15120108)	102.04310 (15120108)	101.27976 (15120108)	
3604597.5	51.65639 (15012708)	55.84154 (15012708)	52.61086
(15012708)	71.19456 (15120108)	107.61991 (15120108)	
3604347.5	53.30681 (16020508)	64.20338 (16020508)	70.76590
(16020508)	69.92404 (15012708)	86.90270 (15012708)	
3604097.5	47.69480 (15013008)	56.87119 (15013008)	62.29157
(15013008)	60.44605 (15013008)	62.52408 (15013008)	
3603847.5	63.00225 (17121208)	69.02549 (17121208)	72.44112
(17121208)	83.33859 (17121208)	93.45412 (17121208)	
3603597.5	38.24181 (17010904)	41.85233 (17122908)	48.89087
(17121708)	60.80146 (17121708)	80.67595 (17121708)	
3603347.5	44.46890 (17121708)	47.53119 (17121708)	49.34181
(17121708)	55.31527 (15021021)	64.69603 (15122019)	
3603097.5	34.73952 (15122019)	40.28356 (17122621)	44.20899
(17122621)	53.44725 (15012003)	62.70061 (17012206)	
3602847.5	33.73068 (17021924)	39.32853 (17012206)	44.08486
(16122906)	54.03708 (15011108)	66.26717 (17121308)	
3602597.5	33.86601 (17121504)	41.17590 (15011108)	46.48559
(17121308)	59.54098 (16031707)	72.30221 (15092707)	
3602347.5	36.60647 (17121308)	44.29768 (16031707)	57.66555
(15092707)	55.37557 (15092707)	51.56034 (15032207)	
3602097.5	46.96861 (15092707)	49.40938 (15092707)	42.11979
(15032207)	39.24846 (15032207)	34.34060 (17122924)	
3601847.5	38.38609 (15092707)	34.21750 (15032207)	29.83836
(15032207)	29.23549 (15010718)	31.49155 (16032607)	
3601597.5	27.69008 (15032207)	22.83299 (15032207)	24.88581
(15010718)	27.25619 (16032607)	31.43261 (15010508)	
3601347.5	20.39653 (17122924)	21.61025 (15010718)	23.61117
(16032607)	27.12425 (15010508)	26.14334 (15010508)	
3601097.5	19.46408 (17011023)	21.02591 (16032607)	24.23986
(15010508)	24.00269 (15010508)	24.52290 (15021520)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP8
 INCLUDING SOURCE(S): SP8

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		
3606097.5	76.76919 (16120208)	56.02422 (16120708)	97.58965
(15021508)	104.92310 (15021508)	88.41268 (17021508)	
3605847.5	80.61873 (16120208)	82.13607 (16120208)	65.15611
(17021401)	124.42942 (15021508)	87.92018 (16100607)	
3605597.5	64.53453 (15032407)	90.19561 (16120208)	84.33979
(16120708)	112.67244 (17013021)	124.50047 (15021508)	
3605347.5	69.70367 (17020108)	77.86127 (15032407)	101.42215
(17013108)	101.07104 (16120708)	109.70859 (15021508)	
3605097.5	76.68365 (17010508)	86.18197 (15120308)	115.64426
(15032407)	136.23662 (16120208)	125.93238 (16120708)	
3604847.5	85.64863 (16020408)	104.40723 (17020308)	122.86777
(15021008)	161.64126 (15032407)	221.87617 (17013108)	
3604597.5	149.16325 (15120108)	161.07315 (15120108)	132.73963
(16020408)	171.39694 (17020308)	235.27733 (17020108)	
3604347.5	95.86567 (15012708)	121.31214 (15120108)	207.19424
(15120108)	298.57519 (15120108)	237.80358 (17020308)	
3604097.5	82.33028 (16020508)	118.08496 (16020508)	165.02094
(16020508)	206.74623 (15012708)	283.24615 (15120108)	
3603847.5	103.62327 (17121208)	126.54531 (17121208)	156.35044
(17121208)	210.84119 (17121208)	306.41927 (17121208)	
3603597.5	95.80507 (17121708)	112.58065 (17121708)	135.58027
(17121708)	141.57812 (15021021)	194.56808 (17122621)	
3603347.5	77.02363 (17122621)	86.73880 (15012003)	110.21918
(17012206)	155.05708 (15011108)	210.20269 (16031707)	
3603097.5	74.24617 (17121504)	91.12338 (15011108)	123.22390
(16031707)	130.26129 (15032207)	108.10852 (15010718)	
3602847.5	85.37513 (16031707)	91.59675 (16031707)	91.56268
(15032207)	76.60999 (17011023)	91.82788 (15010508)	
3602597.5	66.00166 (15032207)	62.22244 (15032207)	59.86632
(17020101)	70.17535 (15010508)	81.90764 (16052806)	
3602347.5	42.11579 (15032207)	46.02278 (17020101)	56.27694
(15010508)	58.84046 (16052806)	64.61757 (15123108)	
3602097.5	36.60599 (16032607)	44.90662 (15010508)	43.05546
(15021520)	55.13302 (16052806)	52.46462 (15020621)	
3601847.5	36.90006 (15010508)	36.06628 (15012007)	44.87103
(16052806)	43.62755 (15123108)	52.84005 (17020408)	
3601597.5	30.06539 (17012624)	36.53696 (16052806)	38.15683
(16052806)	37.71081 (15020621)	70.21023 (17020408)	
3601347.5	29.12982 (16052806)	34.76036 (16052806)	32.50723
(15123108)	36.78547 (17020408)	75.11084 (17020408)	
3601097.5	30.52463 (16052806)	30.06974 (15123108)	30.06006
(15020621)	52.14887 (17020408)	69.60399 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP8
 INCLUDING SOURCE(S): SP8

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
3606097.5	33.27785 (16120206)	63.18273 (17022408)	22.62660
(15123009)	15.11623 (16091507)	50.72295 (17032607)	
3605847.5	88.07602 (17021508)	103.09670 (16120908)	50.29770
(17022408)	35.94465 (16091507)	105.29117 (17032607)	
3605597.5	113.05958 (17021508)	132.67296 (16120908)	86.23232
(16020207)	122.53444 (15010907)	99.70793 (17032607)	
3605347.5	92.33025 (16012808)	148.19470 (16120908)	78.80457
(17022408)	50.81503 (16091507)	112.42896 (16031023)	
3605097.5	157.11668 (15021508)	123.40663 (17070706)	49.29131
(17022408)	54.25691 (17032607)	23.35142 (17032607)	
3604847.5	172.71064 (15123006)	163.01551 (17021508)	66.60208
(15123009)	82.63285 (17032607)	19.63433 (16111708)	
3604597.5	329.80160 (16120708)	237.93269 (15021508)	86.62631
(15092607)	139.22905 (17032607)	45.11587 (16111708)	
3604347.5	356.66168 (17020108)	577.93961 (16120708)	208.97331
(17021508)	224.98529 (17032607)	65.88266 (17020109)	
3604097.5	709.02222 (15120108)	709.11789 (17020308)	1166.32586
(16021523)	1138.50651 (15122821)	311.91095 (15081905)	
3603847.5	509.08543 (17121208)	850.28662 (17121208)	2763.70918
(17121208)	2203.51296 (16020303)	239.79408 (15061006)	
3603597.5	323.57903 (15011108)	555.76755 (16031707)	800.10625
(16052806)	260.75655 (16092807)	137.32683 (16041107)	
3603347.5	221.92775 (15032207)	246.84151 (16052806)	427.03543
(17122108)	530.87003 (17010608)	85.92277 (16010521)	
3603097.5	136.49017 (15010508)	164.37823 (16021102)	220.37053
(15011408)	300.03854 (17062106)	329.78493 (15121508)	
3602847.5	116.58859 (16052806)	152.28380 (17122108)	157.31059
(15011408)	166.89851 (17010308)	152.12292 (15121508)	
3602597.5	84.14970 (16021102)	126.90400 (17020408)	127.27282
(15120608)	127.93664 (17010308)	124.98972 (17010608)	
3602347.5	82.66312 (17020408)	83.35632 (17020408)	104.03723
(15120608)	102.81338 (17010308)	92.14217 (17010608)	
3602097.5	97.19320 (17020408)	57.82845 (16120822)	85.98960
(15120608)	82.39178 (17010308)	65.88798 (15020520)	
3601847.5	88.07180 (17020408)	49.69619 (16012208)	73.38559
(15120608)	68.22127 (17010308)	58.84459 (17062106)	
3601597.5	68.09724 (17020408)	47.03743 (16012208)	62.95698
(15120608)	57.62462 (17010308)	54.39930 (17062106)	
3601347.5	48.25731 (17020408)	42.67136 (16012208)	55.55360
(15120608)	49.32812 (17010308)	48.50690 (17062106)	
3601097.5	34.72876 (17111908)	39.60560 (15011408)	49.82609
(15120608)	43.24402 (17010308)	42.24934 (17062106)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: SP8
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 INCLUDING SOURCE(S): SP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
3606097.5	13.97977 (17032607)	17.21199 (16083007)	12.15881
(17020109)	13.85564 (17020109)	9.07224 (17020109)	
3605847.5	10.75320 (16010705)	75.19874 (15122821)	20.20113
(17091007)	12.05761 (17020109)	12.73877 (17121809)	
3605597.5	66.04762 (15021924)	54.50610 (15052306)	31.48848
(17020109)	25.59380 (17121809)	17.44902 (17121809)	
3605347.5	99.34639 (15122821)	78.73704 (15092321)	83.90458
(16072606)	21.72305 (17012509)	15.00662 (17121809)	
3605097.5	32.56108 (16083007)	17.23196 (17020109)	25.17184
(17012509)	46.03074 (17090523)	16.43905 (15110508)	
3604847.5	24.44100 (17020109)	24.98444 (17121809)	18.88832
(17121809)	14.22401 (17032908)	15.49748 (16082307)	
3604597.5	28.74883 (17121809)	21.81364 (17121809)	15.46833
(17100708)	20.34131 (17122309)	25.67072 (16040707)	
3604347.5	46.25424 (17012609)	42.15775 (17100708)	44.92394
(16040707)	62.34482 (16040707)	46.85507 (16040707)	
3604097.5	118.26140 (16091707)	72.51649 (16040707)	25.23203
(16040707)	23.54429 (17082707)	20.76298 (17082707)	
3603847.5	122.96997 (15021202)	76.70036 (15062407)	39.80678
(17030408)	28.66172 (17030408)	24.40193 (15062407)	
3603597.5	97.34691 (15022408)	43.69064 (17062607)	40.15498
(17062607)	34.18357 (17062607)	24.33207 (15061907)	
3603347.5	137.13578 (16111408)	94.42936 (16040807)	138.55566
(15022408)	48.50804 (17122709)	72.96399 (15091922)	
3603097.5	54.48412 (17122909)	305.04745 (17040307)	170.98982
(15031607)	148.02731 (16040807)	127.72523 (16123020)	
3602847.5	227.05392 (16010602)	131.10074 (15011201)	168.91105
(17040307)	140.08240 (15031607)	112.87786 (17011308)	
3602597.5	140.95351 (15121508)	139.44816 (17021408)	101.13270
(15011201)	141.78120 (17040307)	88.50232 (16122817)	
3602347.5	97.33271 (15121508)	86.98883 (16010602)	106.71800
(17021408)	74.70180 (15011201)	107.53457 (17040307)	
3602097.5	66.35197 (17010608)	83.88042 (15121508)	82.88781
(17021408)	71.65243 (17021408)	91.02966 (15011201)	
3601847.5	66.27235 (17010608)	70.25289 (15121508)	57.75929
(16010602)	74.53990 (17021408)	57.66963 (17022803)	
3601597.5	57.76213 (17010608)	49.78629 (15121508)	57.92922
(15121508)	50.02495 (16010602)	63.03437 (17021408)	
3601347.5	46.93849 (17010608)	42.67292 (17010608)	50.38580
(15121508)	41.35933 (15121508)	51.05132 (17021408)	
3601097.5	36.88253 (15020520)	42.77965 (17010608)	40.04632
(15121508)	44.47176 (15121508)	39.13844 (16010602)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: SP8
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 INCLUDING SOURCE(S): SP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	510368.86	510618.86	510868.86
511118.86			
3606097.5	12.46574 (17121809)	14.56703 (17121809)	11.62025
(17121809)	9.80109 (17032908)		
3605847.5	15.86369 (17121809)	12.52645 (17121809)	10.64763
(17032908)	9.24368 (17032908)		
3605597.5	13.63965 (17121809)	11.59514 (17032908)	9.31705
(17032908)	8.11982 (17100708)		
3605347.5	12.62452 (17032908)	9.08444 (17032908)	9.65662
(17100708)	9.69060 (17100708)		
3605097.5	10.53632 (17100708)	11.15179 (17100708)	14.72547
(17122309)	16.60540 (17122309)		
3604847.5	18.97936 (16082307)	19.38149 (17122309)	30.13266
(16040707)	37.86634 (16040707)		
3604597.5	43.56861 (16040707)	46.00387 (16040707)	36.01584
(16040707)	23.37469 (16040707)		
3604347.5	25.76615 (16040707)	13.86477 (17082707)	14.73528
(17082707)	14.66104 (17082707)		
3604097.5	19.98049 (16090707)	18.58348 (16090707)	16.90345
(16090707)	15.24667 (16090707)		
3603847.5	22.01438 (15062407)	20.11350 (15062407)	18.55740
(15062407)	17.25545 (15062407)		
3603597.5	23.02200 (15061907)	17.51233 (15061907)	14.08249
(17042907)	12.49554 (17042907)		
3603347.5	41.34811 (17122709)	18.00705 (17082908)	12.48428
(17122709)	10.85055 (17062607)		
3603097.5	41.12725 (15022408)	20.81566 (15022408)	18.20785
(17122709)	16.81029 (17122709)		
3602847.5	120.45228 (16040807)	42.70407 (16040807)	38.87686
(15022408)	25.44937 (15022408)		
3602597.5	64.98082 (15011223)	42.88611 (16040807)	50.68060
(16040807)	37.38104 (16040807)		
3602347.5	76.48688 (17040307)	71.19278 (16010101)	36.34790
(16071324)	82.24223 (16040807)		
3602097.5	111.35567 (17040307)	63.22512 (17040307)	52.24074
(17010220)	53.62603 (15031607)		
3601847.5	77.28007 (15011201)	71.46158 (17040307)	53.74250
(17040307)	41.37009 (17010220)		
3601597.5	50.24725 (17022803)	45.27472 (17040307)	63.62752
(17040307)	46.36804 (17040307)		
3601347.5	50.16102 (17021408)	34.63692 (17022803)	38.39255
(17040307)	52.24748 (17040307)		
3601097.5	47.06890 (17021408)	38.73118 (17021408)	30.60425
(15011201)	35.90109 (17040307)		

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP8
 INCLUDING SOURCE(S): SP8 ,

POINTS ***
 *** DISCRETE CARTESIAN RECEPTOR

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	1837.20396 (15120108)	
507708.67	3603932.32	288.29656 (15013008)	
506203.59	3603369.23	58.14578 (15021021)	
507919.87	3604794.52	182.36527 (15021508)	
507037.89	3604916.08	112.60283 (15120308)	
*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc			
*** AERMET - VERSION 18081 *** 05/16/19			
*** 16:35:25			
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*			
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION			
VALUES FOR SOURCE GROUP: SP9			
INCLUDING SOURCE(S): SP9 ,			
*** NETWORK ID: UCART1 ; NETWORK TYPE:			
GRIDCART ***			
** CONC OF TAC IN MICROGRAMS/M**3			
Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)
504868.86	505118.86		504618.86
3606097.5	26.21955 (16020408)	24.66876 (16020408)	27.54761
(16012908)	33.02029 (17020308)	33.37767 (17010508)	
3605847.5	33.33495 (15120108)	30.63244 (15020808)	31.16481
(16020408)	30.05202 (16020408)	36.48666 (17020308)	
3605597.5	44.03942 (15120108)	45.37795 (15120108)	42.97129
(15120108)	40.44861 (15020808)	41.77641 (16020408)	
3605347.5	36.53349 (15120108)	43.81223 (15120108)	51.54166
(15120108)	55.92009 (15120108)	56.62311 (15120108)	
3605097.5	29.17916 (17032907)	34.39722 (17032907)	37.89851
(17032907)	45.95529 (15120108)	59.51118 (15120108)	
3604847.5	37.62485 (15012708)	39.78123 (15012708)	39.30424
(15012708)	38.11564 (15012708)	45.20912 (17032907)	
3604597.5	35.21418 (16020508)	39.21459 (16020508)	43.06321
(16020508)	48.83441 (15012708)	58.03072 (15012708)	
3604347.5	27.23526 (16040507)	28.83955 (15022521)	31.35939
(16011524)	36.14244 (16020508)	46.35251 (16020508)	
3604097.5	31.54012 (15013008)	35.51177 (15013008)	37.95302
(15013008)	41.59885 (15013008)	46.27089 (15013008)	
3603847.5	37.70988 (17121208)	41.61291 (17121208)	47.90095
(17121208)	51.68571 (17121208)	59.34200 (17121208)	
3603597.5	26.78300 (17121208)	28.19121 (17121208)	31.03799
(16010120)	34.41128 (17010904)	37.33102 (17010904)	
3603347.5	27.67554 (17121708)	31.89051 (17121708)	36.53466
(17121708)	40.80372 (17121708)	45.11423 (17121708)	
3603097.5	28.48882 (17121708)	28.77084 (17121708)	29.09648
(15120823)	33.38836 (15021021)	35.82369 (15021021)	
3602847.5	24.47278 (15021021)	26.37342 (15122019)	28.80027
(17021301)	31.65623 (17122621)	33.59096 (16010301)	
3602597.5	23.70146 (17122621)	25.72663 (15012003)	28.39355
(15012003)	33.00574 (15092907)	37.86880 (15092907)	
3602347.5	27.39520 (15092907)	31.56111 (15092907)	32.03055
(15092907)	29.61659 (17121504)	34.84654 (15011108)	

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 26.47053 (15092907) 25.47081 (15011108) 28.54234
(15011108) 35.01046 (17092807) 36.15831 (17092807)
3601847.5 | 25.91721 (17092807) 31.69551 (17092807) 31.67768
(17092807) 43.03484 (15092707) 50.37844 (15092707)
3601597.5 | 28.85578 (17092807) 37.23561 (15092707) 44.40455
(15092707) 42.16556 (15092707) 31.02214 (15032207)
3601347.5 | 40.16773 (15092707) 40.55325 (15092707) 32.61448
(15092707) 26.87568 (15032207) 24.05460 (15032207)
3601097.5 | 33.80258 (15092707) 23.79842 (15032207) 22.89971
(15032207) 19.23080 (15032207) 20.49942 (17122924)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP9
*** INCLUDING SOURCE(S): SP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 505368.86 505618.86 505868.86
506118.86 506368.86
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3606097.5 | 42.52723 (17040507) 38.07782 (16021022) 45.30746
(17020108) 49.95148 (15032407) 80.38158 (16120208)
3605847.5 | 41.75840 (17020308) 45.13282 (15021008) 45.48554
(15120308) 51.36244 (17020108) 57.98705 (15032407)
3605597.5 | 39.04159 (17122119) 49.71946 (17020308) 53.56426
(17010508) 59.02969 (15120308) 60.20464 (17020108)
3605347.5 | 50.31755 (15020808) 52.17947 (16020408) 52.98225
(16012908) 65.90323 (17020308) 71.41534 (15021008)
3605097.5 | 69.66160 (15120108) 78.72038 (15120108) 68.19181
(15120108) 67.76006 (16020408) 73.03562 (17020308)
3604847.5 | 45.63997 (15120108) 66.29900 (15120108) 93.04046
(15120108) 105.52738 (15120108) 98.31645 (15120108)
3604597.5 | 55.18937 (15012708) 58.36059 (15012708) 52.29873
(17032907) 69.80392 (15120108) 112.10478 (15120108)
3604347.5 | 58.18825 (16020508) 70.35468 (16020508) 77.36065
(16020508) 74.56741 (15012708) 93.14912 (15012708)
3604097.5 | 51.90053 (15013008) 61.07541 (15013008) 66.57860
(15013008) 63.48023 (15013008) 64.02187 (15022521)
3603847.5 | 68.35314 (17121208) 75.04059 (17121208) 78.91625
(17121208) 90.86504 (17121208) 101.78312 (17121208)
3603597.5 | 42.56657 (17010904) 46.15372 (17010904) 50.81795
(17122908) 62.68078 (17122908) 85.53532 (17121708)
3603347.5 | 49.33528 (17121708) 52.82850 (17121708) 54.52929
(17121708) 60.94389 (15021021) 71.90118 (15021021)
3603097.5 | 38.63675 (15122019) 44.12976 (17122621) 49.48152
(17122621) 59.54084 (15012003) 69.43441 (17012206)
3602847.5 | 37.54179 (15012003) 43.52230 (17012206) 48.57349
(16122906) 57.97628 (17121504) 70.98684 (17121308)
3602597.5 | 37.55962 (16122906) 44.44863 (15011108) 50.35556
(17121308) 63.13948 (16031707) 81.89041 (15092707)
3602347.5 | 40.52659 (17092807) 46.83577 (16031707) 64.24715
(15092707) 63.31369 (15092707) 56.71940 (15032207)

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3602097.5 | 51.75848 (15092707) 56.40810 (15092707) 45.99600
(15032207) 42.72084 (15032207) 38.12782 (17122924)
3601847.5 | 43.12925 (15092707) 37.46066 (15032207) 31.74235
(15032207) 32.35084 (15010718) 34.39057 (15121802)
3601597.5 | 30.01168 (15032207) 24.77654 (17122921) 27.61894
(15010718) 29.62147 (15121802) 34.47289 (15010508)
3601347.5 | 22.47054 (17122924) 23.98396 (15010718) 25.74776
(16032607) 29.52648 (15010508) 28.87691 (15010508)
3601097.5 | 21.47499 (17011023) 22.96413 (16032607) 26.32035
(15010508) 26.55334 (15010508) 27.22049 (15021520)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SP9
*** INCLUDING SOURCE(S): SP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 506618.86 506868.86 507118.86
507368.86 507618.86
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3606097.5 | 83.07785 (16120208) 58.68763 (16120708) 104.54255
(15021508) 113.67555 (15021508) 96.84860 (17021508)
3605847.5 | 90.38636 (16120208) 86.82076 (16120208) 71.98351
(17021401) 139.37628 (15021508) 94.19638 (16100607)
3605597.5 | 68.31376 (15032407) 101.36039 (16120208) 91.91689
(16120708) 121.23269 (17013021) 135.65286 (15021508)
3605347.5 | 76.77829 (17020108) 82.35929 (15032407) 111.25399
(16120208) 107.58787 (16120708) 122.03758 (15021508)
3605097.5 | 85.12076 (17010508) 91.23770 (15120308) 124.52003
(15032407) 153.31436 (16120208) 131.39400 (16120708)
3604847.5 | 92.28029 (16020408) 115.76959 (17020308) 133.72405
(15120308) 171.27888 (15032407) 232.44011 (16120208)
3604597.5 | 157.58160 (15120108) 159.63151 (15120108) 140.79075
(16020408) 188.16060 (17010508) 253.17372 (17020108)
3604347.5 | 99.29624 (15012708) 120.56930 (15120108) 220.72808
(15120108) 302.71906 (15120108) 267.03795 (17020308)
3604097.5 | 89.11995 (16020508) 131.31781 (16020508) 182.28637
(16020508) 224.01484 (15012708) 301.01629 (15120108)
3603847.5 | 111.12101 (17121208) 136.12103 (17121208) 167.12540
(17121208) 228.25505 (17121208) 333.19924 (17121208)
3603597.5 | 103.97012 (17121708) 125.30344 (17121708) 154.19785
(17121708) 158.98375 (17121708) 218.40666 (17122621)
3603347.5 | 84.74872 (17122621) 96.01090 (15012003) 123.16853
(17012206) 166.95207 (15011108) 231.33194 (16031707)
3603097.5 | 82.21383 (16122906) 99.57581 (15011108) 132.57902
(16031707) 143.15844 (15032207) 121.22890 (17122924)
3602847.5 | 90.43962 (16031707) 100.88516 (16031707) 101.55905
(15032207) 86.13071 (15010718) 103.66014 (15010508)
3602597.5 | 72.25547 (15032207) 67.67867 (15032207) 66.28971
(17011023) 78.50270 (15010508) 88.78984 (16052806)
3602347.5 | 46.00984 (17122924) 51.05650 (17020101) 62.58544
(15010508) 61.45952 (17011608) 72.02537 (15123108)

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Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	40.38148 (17020101)	49.69170 (15010508)	47.61755
(15012007)	61.24935 (16052806)	58.68913 (16021102)	
3601847.5	40.65869 (15010508)	39.89132 (15012007)	48.98662
(16052806)	48.84674 (15123108)	53.22841 (15011308)	
3601597.5	33.39519 (17012624)	38.83900 (16052806)	42.19781
(16052806)	41.98785 (15020621)	73.03697 (17020408)	
3601347.5	31.24363 (17011608)	38.46186 (16052806)	36.18091
(15123108)	39.37431 (15041007)	83.96655 (17020408)	
3601097.5	33.46077 (16052806)	33.36061 (15123108)	33.45340
(15020621)	51.85134 (17020408)	79.30248 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SP9
 INCLUDING SOURCE(S): SP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	37.28403 (16120206)	68.10305 (17022408)	25.36164
(15123009)	15.45804 (15123009)	56.97589 (17032607)	
3605847.5	95.62014 (17021508)	106.35041 (16120908)	54.50662
(15123009)	36.46969 (16091507)	59.66610 (17032607)	
3605597.5	126.75861 (17021508)	139.83842 (16120908)	93.87021
(16020207)	131.82570 (15010907)	111.74865 (17032607)	
3605347.5	95.39470 (17010724)	159.82216 (16120908)	87.24696
(17022408)	53.83123 (16091507)	124.57916 (17011124)	
3605097.5	173.63802 (15021508)	137.32865 (17070706)	55.30947
(17022408)	50.03815 (17032607)	26.32213 (15021124)	
3604847.5	191.45719 (15123006)	179.54177 (17021508)	68.52377
(15123009)	81.43616 (17032607)	16.65592 (16111708)	
3604597.5	351.24446 (16120708)	261.20280 (15021508)	96.07818
(15092607)	145.89879 (17032607)	49.09941 (16111708)	
3604347.5	396.98214 (17020108)	620.36007 (16120708)	224.33511
(16120206)	252.71940 (17032607)	76.39683 (17020109)	
3604097.5	751.28066 (15120108)	782.78554 (15021008)	1234.95951
(16021523)	1202.74994 (15033023)	332.73110 (15081905)	
3603847.5	552.93066 (17121208)	901.12389 (17121208)	3399.48520
(15012708)	2351.75616 (15090401)	256.52710 (15011221)	
3603597.5	353.95214 (17012206)	650.12993 (16031707)	989.16170
(16052806)	312.89593 (15012817)	145.03147 (16041107)	
3603347.5	255.69552 (15032207)	254.73495 (15010508)	508.00571
(17122108)	590.13675 (17010608)	103.45607 (17020419)	
3603097.5	157.09405 (15010508)	185.91727 (16021102)	236.98538
(16012208)	336.69970 (17062106)	368.55470 (15121508)	
3602847.5	131.04389 (16052806)	167.24874 (17012608)	171.46491
(15011408)	187.88307 (17010308)	161.12511 (17010608)	
3602597.5	94.88122 (16021102)	146.28221 (17020408)	136.17908
(15011408)	143.05406 (17010308)	139.81702 (17010608)	
3602347.5	84.49802 (17012608)	92.89553 (17020408)	110.06847
(15120608)	114.62517 (17010308)	99.47710 (17010608)	

3602097.5	107.41083 (17020408)	64.64456 (16120822)	92.36083
(15120608)	91.00054 (17010308)	73.63379 (15020520)	
3601847.5	100.79217 (17020408)	54.61509 (15021703)	79.37434
(15120608)	74.47973 (17010308)	64.34644 (17062106)	
3601597.5	75.81287 (17020408)	50.48887 (16012208)	68.35486
(15120608)	62.51410 (17010308)	60.06743 (17062106)	
3601347.5	51.06707 (17020408)	46.78380 (16012208)	60.53794
(15120608)	53.58276 (17010308)	53.55191 (17062106)	
3601097.5	39.25560 (17111908)	42.85624 (16012208)	54.47634
(15120608)	46.46591 (17010308)	46.46257 (17062106)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: SP9
 INCLUDING SOURCE(S): SP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	12.66622 (17032607)	17.12400 (16083007)	13.15993
(16111708)	15.66999 (17020109)	9.63621 (17020109)	
3605847.5	12.42029 (16010705)	84.16884 (15122821)	22.80376
(17091007)	13.33129 (17020109)	12.74858 (17121809)	
3605597.5	77.03797 (15021924)	62.35894 (15052306)	35.59531
(17020109)	24.39913 (17121809)	19.51607 (17121809)	
3605347.5	111.10314 (15122821)	89.32889 (15092321)	94.90931
(16072606)	24.64229 (17012509)	16.76700 (17121809)	
3605097.5	36.71858 (16083007)	19.34880 (17020109)	28.36858
(17012509)	53.71810 (17090523)	18.04291 (15110508)	
3604847.5	27.64900 (17020109)	26.49010 (17121809)	21.26341
(17121809)	16.16166 (17032908)	17.14808 (15112909)	
3604597.5	29.01418 (16092207)	24.74698 (17121809)	16.23117
(17100708)	19.64793 (17122309)	26.40712 (17122309)	
3604347.5	52.67345 (17012609)	47.09833 (17100708)	47.07803
(17032608)	68.49798 (16040707)	54.67654 (16040707)	
3604097.5	119.49486 (16091707)	87.81920 (16040707)	27.99340
(16040707)	25.99073 (17082707)	23.69904 (17082707)	
3603847.5	126.47581 (15061006)	81.26420 (15062407)	45.59891
(17030408)	32.85826 (17030408)	26.42122 (15062407)	
3603597.5	97.72881 (15022408)	50.70240 (16011417)	45.56188
(17062607)	37.74835 (17062607)	28.04033 (15061907)	
3603347.5	161.39952 (16111408)	109.73596 (16040807)	156.07786
(15022408)	55.32269 (17122709)	83.61429 (15091922)	
3603097.5	62.07586 (17122909)	313.62036 (17040307)	188.51834
(15031607)	169.03873 (16040807)	142.74981 (15022202)	
3602847.5	251.12239 (16010602)	149.42761 (15011201)	183.81080
(17040307)	152.45628 (15031607)	124.52480 (17011308)	
3602597.5	157.02682 (15121508)	154.85436 (17021408)	114.72175
(15011201)	153.59780 (17040307)	98.99713 (16122817)	
3602347.5	104.49301 (15121508)	97.50173 (16010602)	116.67155
(17021408)	83.91808 (15011201)	117.08786 (17040307)	

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 71.23582 (17010608) 92.35836 (15121508) 89.10496
(17021408) 75.06535 (15021604) 99.56499 (15011201)
3601847.5 | 73.49813 (17010608) 76.82215 (15121508) 63.61965
(16010602) 81.99910 (17021408) 64.79971 (17022803)
3601597.5 | 63.60304 (17010608) 51.09876 (15121508) 63.26096
(15121508) 55.79874 (16010602) 69.06596 (17021408)
3601347.5 | 50.27459 (17010608) 45.97550 (15022808) 54.70464
(15121508) 43.04272 (16010602) 54.50017 (17021408)
3601097.5 | 41.16792 (15020520) 47.05838 (17010608) 41.85803
(15121508) 48.39927 (15121508) 43.56772 (16010602)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP9
 INCLUDING SOURCE(S): SP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 510368.86 510618.86 510868.86
511118.86

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3606097.5 | 12.87878 (17121809) 16.42119 (17121809) 12.90136
(17121809) 10.86126 (17032908)
3605847.5 | 17.83199 (17121809) 13.95759 (17121809) 11.94269
(17032908) 10.41001 (17032908)
3605597.5 | 15.21958 (17121809) 13.07445 (17032908) 10.35078
(17032908) 8.59351 (17100708)
3605347.5 | 14.31209 (17032908) 9.96107 (17032908) 10.49001
(17100708) 10.93554 (17100708)
3605097.5 | 11.08159 (17100708) 12.51056 (17100708) 14.98042
(17122309) 18.40338 (17122309)
3604847.5 | 20.82965 (16082307) 21.58754 (17122309) 28.10204
(16040707) 40.83338 (16040707)
3604597.5 | 43.77564 (16040707) 52.04816 (16040707) 41.28911
(16040707) 25.27472 (16040707)
3604347.5 | 28.18112 (16040707) 13.96437 (17082707) 15.69089
(17082707) 16.16622 (17082707)
3604097.5 | 21.90761 (16090707) 20.93231 (16090707) 19.30531
(16090707) 17.35451 (16090707)
3603847.5 | 23.88551 (15062407) 21.86077 (15062407) 20.20123
(15062407) 18.81150 (15062407)
3603597.5 | 26.08817 (15061907) 19.26778 (15061907) 15.82488
(17042907) 13.99052 (17042907)
3603347.5 | 44.81715 (17122709) 20.36226 (17082908) 13.34308
(17062607) 12.07656 (17062607)
3603097.5 | 41.98874 (15022408) 20.44563 (17122709) 20.65464
(17122709) 18.68235 (17122709)
3602847.5 | 136.40696 (16040807) 47.24639 (15022408) 42.10347
(15022408) 23.86089 (15022408)
3602597.5 | 71.13690 (15011223) 47.70358 (16040807) 57.10545
(16040807) 38.86543 (15022408)
3602347.5 | 81.96959 (16011523) 79.94172 (16010101) 40.74318
(16071324) 92.40699 (16040807)

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3602097.5 | 123.18869 (17040307) 62.75723 (17040307) 57.62054
(17010220) 58.42448 (15031607)
3601847.5 | 83.42286 (17021919) 77.64171 (17040307) 54.55467
(17040307) 46.13803 (17010220)
3601597.5 | 55.85718 (17022803) 46.42184 (17021919) 68.78202
(17040307) 47.80788 (17040307)
3601347.5 | 53.61795 (17021408) 37.85486 (17022803) 38.98735
(17021919) 56.51417 (17040307)
3601097.5 | 50.99392 (17021408) 40.32413 (17011302) 33.67323
(15011201) 36.34628 (17021919)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: SP9
 INCLUDING SOURCE(S): SP9 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

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

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508226.78 3603955.63 2034.35493 (15120108)
507708.67 3603932.32 320.32717 (16020508)
506203.59 3603369.23 64.10617 (15011003)
507919.87 3604794.52 197.89785 (15021508)
507037.89 3604916.08 122.50945 (15120308)

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC5
 INCLUDING SOURCE(S): TC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 504118.86 504368.86 504618.86
504868.86 505118.86

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3606097.5 | 13.47791 (16020408) 14.85200 (16011506) 18.03509
(16012908) 19.95008 (17020308) 21.02125 (17040507)
3605847.5 | 16.12498 (15040607) 15.31104 (15010408) 16.15460
(16020408) 18.99099 (16011506) 23.45936 (16012908)

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Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	17.05983 (15040607)	18.80093 (15040607)	19.91725
(15040607)	20.08715 (15010408)	21.56081 (16020408)	
3605347.5	15.63879 (15012821)	16.47266 (15040607)	18.63804
(15040607)	20.64157 (15040607)	23.71060 (15040607)	
3605097.5	16.20928 (15011519)	17.90739 (17012508)	19.67678
(17012508)	19.01611 (15011608)	20.69991 (15011608)	
3604847.5	22.52299 (15040307)	22.60267 (15040307)	20.68532
(15040307)	20.68145 (16122808)	23.98572 (17012508)	
3604597.5	19.48431 (17092707)	19.98942 (17092707)	21.87122
(15040307)	26.16994 (15040307)	30.30611 (15040307)	
3604347.5	19.85415 (16040507)	19.88455 (16040507)	19.87793
(16040507)	21.98901 (16011421)	25.24106 (15122708)	
3604097.5	17.25591 (17011708)	19.48697 (17011708)	20.92879
(17011708)	22.95624 (17011708)	25.52135 (17011708)	
3603847.5	18.91813 (17021608)	20.19250 (17021608)	22.14957
(17021608)	23.81693 (17122608)	27.43712 (17122608)	
3603597.5	17.31941 (17021608)	17.68000 (17021608)	18.74599
(15021102)	21.01605 (15021102)	22.95466 (15021102)	
3603347.5	15.38027 (17122908)	17.22864 (17122908)	19.28477
(17122908)	21.00678 (17122908)	22.81046 (17122908)	
3603097.5	15.04134 (17021402)	16.44028 (17011719)	17.79250
(17011719)	20.65636 (15012720)	22.01449 (16021602)	
3602847.5	14.81811 (16021602)	15.58455 (16012803)	17.86437
(16012803)	19.36927 (16011702)	21.31234 (17120906)	
3602597.5	14.52410 (17120906)	15.78129 (17120906)	18.17061
(15092907)	23.02284 (15092907)	26.51174 (15092907)	
3602347.5	19.00394 (15092907)	21.76043 (15092907)	22.67372
(15092907)	20.95591 (15092907)	20.81900 (17092807)	
3602097.5	19.08742 (15092907)	16.62778 (15092907)	19.36117
(17092807)	24.20134 (17092807)	25.77810 (17092807)	
3601847.5	18.05765 (17092807)	21.69984 (17092807)	22.37194
(17092807)	26.81560 (15092707)	31.46369 (15092707)	
3601597.5	20.17734 (17092807)	23.13885 (15092707)	27.29518
(15092707)	27.10906 (15092707)	21.54887 (15092707)	
3601347.5	24.36249 (15092707)	25.25487 (15092707)	21.95787
(15092707)	15.42864 (15092707)	11.25267 (17122105)	
3601097.5	21.75875 (15092707)	16.94666 (15092707)	10.81998
(15092707)	10.09563 (15022607)	10.90046 (15121422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC5 ***
 INCLUDING SOURCE(S): TC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		

3606097.5	29.41504 (17040507)	26.01992 (17040507)	27.26763
(17020108)	26.78705 (16121408)	43.81125 (16120208)	
3605847.5	25.14041 (17020308)	30.97787 (17040507)	31.90962
(17040507)	31.42598 (17020108)	31.60467 (16121408)	

3605597.5	25.33611 (16012908)	30.19878 (17020308)	31.23448
(17010508)	38.57481 (17040507)	37.16437 (17020108)	
3605347.5	25.22754 (15010408)	27.27332 (16020408)	35.03086
(16012908)	39.97383 (17020308)	42.76699 (17040507)	
3605097.5	24.33248 (15040607)	29.05035 (15040607)	32.97074
(15010408)	36.22230 (15011008)	47.43040 (16012908)	
3604847.5	24.54216 (17012508)	26.39213 (15011608)	31.18370
(17121424)	35.59047 (15012401)	44.30981 (15010408)	
3604597.5	27.76936 (15040307)	29.74705 (16122808)	30.27514
(16122808)	36.63659 (17012508)	43.10045 (15011608)	
3604347.5	28.82044 (17122422)	32.96742 (17122422)	35.74707
(16020401)	35.26507 (17013020)	44.26409 (16011108)	
3604097.5	28.59117 (17011708)	34.09597 (17011708)	38.22637
(16120722)	37.61236 (16120722)	41.74666 (16011421)	
3603847.5	31.74565 (17122608)	34.97564 (17122608)	36.98471
(17122608)	42.69841 (17122608)	48.07894 (17122608)	
3603597.5	26.37808 (15021102)	28.72710 (15021102)	31.85251
(16012807)	37.11297 (16012807)	47.63624 (17122908)	
3603347.5	25.27381 (16010308)	27.98971 (17021402)	32.02965
(17011719)	38.45118 (15012720)	45.53516 (16021602)	
3603097.5	23.58131 (16021602)	27.69640 (16012803)	30.86080
(16011702)	37.49248 (15011506)	44.32535 (16021406)	
3602847.5	23.44519 (15011506)	29.04622 (15092907)	33.41080
(15092907)	36.22238 (17122824)	43.87779 (17010708)	
3602597.5	26.98587 (15092907)	26.24241 (17010704)	32.37258
(17092807)	36.92392 (17092807)	52.12478 (15092707)	
3602347.5	28.22046 (17092807)	30.64405 (17092807)	40.39035
(15092707)	42.11857 (15092707)	28.17970 (15092707)	
3602097.5	32.29175 (15092707)	36.10727 (15092707)	30.54282
(15092707)	19.19644 (17122302)	20.91060 (15121422)	
3601847.5	28.99941 (15092707)	20.33819 (15092707)	15.96557
(15022607)	17.66899 (15121422)	18.96013 (16121224)	
3601597.5	13.16789 (15092707)	13.54192 (15022607)	14.97471
(17012504)	16.28022 (16020405)	17.03831 (17121505)	
3601347.5	12.00059 (15012201)	12.94594 (17012504)	13.97938
(16020405)	14.65618 (17121505)	15.63065 (16121724)	
3601097.5	11.64272 (17021905)	12.33060 (16020405)	13.06540
(17121505)	13.87911 (15120324)	14.51480 (16022007)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC5 ***
 INCLUDING SOURCE(S): TC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	45.84532 (16120208)	36.32192 (16010908)	64.80572
(17021308)	68.56905 (15021508)	68.31204 (17021320)	
3605847.5	49.43852 (16120208)	49.29042 (16120208)	47.61607
(15122808)	83.90760 (15021508)	76.02619 (15121303)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	37.93173 (16121408)	55.68744 (16120208)	51.26929
(15121708)	92.25137 (17013021)	86.74911 (15021508)	
3605347.5	47.44292 (17020108)	46.48972 (16121408)	61.34945
(16120208)	61.07643 (15121708)	67.80695 (15021508)	
3605097.5	50.31510 (17010508)	58.33141 (15121803)	68.07642
(16121408)	84.57530 (16120208)	84.13610 (16010908)	
3604847.5	51.37318 (15011008)	71.30310 (17020308)	79.89421
(15120308)	102.06311 (17020108)	135.35155 (16120208)	
3604597.5	52.04224 (17012703)	66.61973 (15121608)	86.87865
(16012908)	112.84924 (17010508)	159.68538 (17020108)	
3604347.5	52.23675 (16122808)	62.22190 (17012508)	78.56076
(15011608)	115.22454 (15121608)	175.22397 (16012908)	
3604097.5	50.99192 (16011421)	65.43525 (17020524)	85.38779
(16020401)	106.28313 (16011108)	151.40721 (17012508)	
3603847.5	53.29967 (17122608)	65.32559 (17122608)	80.62328
(17122608)	109.02192 (15010808)	157.48335 (15010808)	
3603597.5	56.19995 (17122908)	66.12509 (17122908)	82.26195
(16010308)	99.85098 (15012720)	137.20852 (16012803)	
3603347.5	53.88462 (16012803)	61.61461 (17120906)	79.02737
(16021406)	106.03077 (17122824)	123.82741 (17121308)	
3603097.5	52.24067 (17121720)	61.86063 (17010708)	72.99674
(17121308)	78.53313 (16021107)	68.35184 (15121422)	
3602847.5	51.75777 (17121308)	61.83169 (15092707)	43.03939
(17122302)	48.55675 (17012504)	52.99342 (15013101)	
3602597.5	44.08390 (15092707)	32.59025 (16011206)	37.89970
(17021905)	39.51355 (15013101)	44.22928 (16122704)	
3602347.5	25.45719 (15012201)	28.71398 (16121224)	31.13956
(15013101)	33.81343 (17022221)	36.59704 (17010503)	
3602097.5	22.51522 (16121224)	24.50122 (15013101)	26.39357
(17010801)	29.03603 (16120304)	33.62470 (16011119)	
3601847.5	20.03295 (17121505)	22.38440 (17010801)	23.36816
(17012722)	28.82562 (17040807)	29.40234 (17020408)	
3601597.5	18.44638 (17010801)	19.79750 (16122704)	21.11971
(17040807)	23.66566 (17022603)	40.75014 (17020408)	
3601347.5	16.79706 (16122704)	17.89102 (16120304)	24.51982
(17040807)	24.29175 (15041007)	45.02020 (17020408)	
3601097.5	15.57763 (17012722)	21.15603 (17040807)	18.63307
(17022603)	29.59437 (17020408)	42.86051 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC5 ***
 INCLUDING SOURCE(S): TC5 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	30.39448 (15082706)	48.01141 (17022408)	16.87379
(17022408)	11.99702 (16091507)	39.97081 (17032607)	
3605847.5	70.73683 (17021508)	82.95190 (16120908)	41.63847
(17022408)	28.54365 (16091507)	85.73468 (17032607)	

3605597.5	89.56431 (17021508)	55.46030 (16121101)	55.43493
(17012203)	92.86934 (15010907)	84.70017 (17032607)	
3605347.5	63.59461 (17021508)	62.62646 (16021807)	64.33924
(17022408)	40.98583 (16091507)	100.26749 (17011124)	
3605097.5	96.91660 (15021508)	106.21652 (17070706)	39.87718
(17022408)	37.94027 (17032607)	24.12371 (17032607)	
3604847.5	154.74889 (15011121)	137.60068 (16020419)	54.02511
(15092607)	59.00021 (17032607)	14.93142 (15022208)	
3604597.5	257.52602 (16120708)	170.13114 (15021508)	76.47976
(15092607)	104.14628 (17032607)	37.63787 (16111708)	
3604347.5	246.91709 (17020108)	346.85937 (16120708)	176.79888
(15082706)	196.78286 (17032607)	57.00069 (15022723)	
3604097.5	253.48085 (15121608)	457.55707 (15021008)	738.44509
(15120107)	857.01745 (16120120)	289.20395 (17120708)	
3603847.5	265.56200 (17011708)	457.21059 (17011708)	1450.43134
(16020401)	2114.23140 (17020717)	212.97742 (16051406)	
3603597.5	228.17635 (16021406)	339.88030 (16122619)	487.79948
(17012722)	302.72542 (15012817)	125.59674 (16040807)	
3603347.5	114.92318 (17122302)	148.11689 (17010801)	251.76685
(15012307)	353.47249 (15020321)	93.27007 (17020419)	
3603097.5	83.05302 (15120324)	109.31259 (17022103)	136.87152
(17122619)	199.04433 (17122218)	174.64440 (16121008)	
3602847.5	63.45638 (16120304)	87.07162 (17020408)	87.40874
(16010118)	103.29857 (15021621)	100.19856 (17010624)	
3602597.5	54.75675 (16011119)	83.18758 (17020408)	65.62093
(16122020)	75.40129 (16022219)	72.90524 (17011319)	
3602347.5	46.97101 (17020408)	58.01352 (17020408)	49.89289
(16022802)	59.33967 (16022219)	56.72811 (17123106)	
3602097.5	58.72978 (17020408)	37.91896 (17020905)	39.60201
(16012923)	47.26984 (17122205)	46.12837 (16121418)	
3601847.5	55.72385 (17020408)	31.86726 (17122619)	32.90394
(17010402)	39.08688 (17122205)	38.23510 (17121306)	
3601597.5	44.49045 (17020408)	27.28667 (15022601)	27.83480
(17010402)	33.05029 (17122205)	33.21181 (15021622)	
3601347.5	32.45754 (17020408)	23.93255 (16010118)	24.24561
(17010402)	28.41544 (17121519)	30.27015 (16112308)	
3601097.5	23.04479 (17111908)	21.25654 (17122005)	21.71946
(17121803)	25.07293 (17121519)	28.33224 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC5 ***
 INCLUDING SOURCE(S): TC5 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
50968.86	510118.86		

3606097.5	13.29839 (17032607)	12.38070 (16083007)	10.05712
(16111708)	7.63685 (17020109)	5.37048 (17020109)	
3605847.5	11.26094 (16010705)	60.10308 (15122821)	14.97786
(16083007)	7.02895 (17020109)	8.57235 (16092207)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	56.97680 (15021924)	51.40641 (15052306)	25.59030
(16101307)	17.75919 (16092207)	10.47257 (17121809)	
3605347.5	78.31310 (15122821)	70.18554 (15092321)	69.07973
(16072606)	17.86691 (16092207)	9.83493 (17121809)	
3605097.5	25.84340 (16083007)	11.76884 (15022224)	22.48067
(16092207)	40.92276 (17090523)	12.91089 (15110508)	
3604847.5	14.15309 (16111708)	15.78995 (16092207)	12.89743
(17121809)	10.85505 (15022724)	13.54412 (15022818)	
3604597.5	22.97114 (16092207)	15.41802 (17121809)	11.30388
(15082707)	13.44068 (17032608)	19.71706 (17032608)	
3604347.5	32.00645 (15082707)	30.07039 (15022818)	38.32475
(17032608)	48.72330 (16040707)	42.69230 (16040707)	
3604097.5	121.14358 (16040707)	71.67082 (16040707)	30.47154
(16040707)	18.05846 (17082707)	16.65458 (17082707)	
3603847.5	107.45986 (15061006)	58.81765 (15062407)	34.34512
(17091507)	24.54753 (17030408)	19.38501 (17030408)	
3603597.5	72.63810 (15022408)	44.72731 (16011417)	37.64854
(15020117)	24.99266 (16012321)	23.19696 (15061907)	
3603347.5	121.96831 (16111408)	82.26766 (16040807)	116.86982
(15022408)	32.71900 (17122709)	62.73198 (15091922)	
3603097.5	55.66252 (16040518)	209.05645 (17040307)	119.32415
(17121101)	128.80595 (15121020)	123.68665 (15022202)	
3602847.5	208.25953 (15020908)	99.69037 (16010601)	87.69726
(17122124)	114.50723 (16121203)	77.58202 (16121121)	
3602597.5	71.97915 (16121008)	89.05191 (17021408)	75.28073
(16010601)	70.10982 (17122124)	68.93461 (16121203)	
3602347.5	53.79147 (16121220)	67.01612 (17120621)	65.95542
(17021408)	55.55983 (17011224)	50.27546 (16012022)	
3602097.5	45.63957 (15022808)	42.20145 (16121008)	57.66440
(15020908)	49.16243 (16121022)	81.65050 (15011201)	
3601847.5	37.97239 (16022321)	36.65372 (16121220)	42.79518
(17120621)	45.98745 (17021408)	40.73376 (16121022)	
3601597.5	32.62051 (15011921)	37.82114 (15022808)	28.77213
(17122806)	37.81703 (17120621)	38.18662 (17021408)	
3601347.5	28.62941 (17031208)	34.65339 (15022808)	24.85396
(16121220)	28.75866 (17120621)	34.37948 (15020908)	
3601097.5	26.54150 (17031208)	25.26123 (15022808)	27.09975
(15022808)	22.17479 (16092807)	28.97350 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC5 ***
 INCLUDING SOURCE(S): TC5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			

3606097.5	7.95484 (16092207)	8.73204 (17121809)	7.34920
(17121809)	5.91422 (17032908)		
3605847.5	9.52663 (17121809)	8.01452 (17121809)	6.51325
(17032908)	6.44497 (15082707)		

3605597.5	8.82417 (17121809)	7.19671 (17032908)	6.89834
(15082707)	4.98287 (15082707)		
3605347.5	7.96457 (17032908)	7.14724 (15082707)	4.36458
(15082707)	6.03807 (17122309)		
3605097.5	6.98847 (15082707)	6.19925 (17122309)	9.74317
(17122309)	11.51742 (17122309)		
3604847.5	13.28963 (16082307)	13.60740 (17122309)	20.93263
(16040707)	28.69450 (16040707)		
3604597.5	31.45848 (16040707)	37.14322 (16040707)	31.62218
(16040707)	21.79221 (16040707)		
3604347.5	25.95971 (16040707)	13.00017 (16040707)	10.82569
(17082707)	11.03166 (17082707)		
3604097.5	16.27949 (16090707)	15.60981 (16090707)	14.49125
(16090707)	13.20541 (16090707)		
3603847.5	17.45398 (15062407)	15.96060 (15062407)	14.72858
(15062407)	13.69215 (15062407)		
3603597.5	21.73333 (16052106)	15.53118 (15061907)	13.97578
(17042907)	12.07585 (17042907)		
3603347.5	27.53323 (15120117)	13.47699 (17082908)	7.39326
(17122709)	7.70439 (15061907)		
3603097.5	31.94149 (15022408)	14.85404 (15022408)	11.55522
(17122709)	10.39748 (17122709)		
3602847.5	95.20046 (16040807)	35.83457 (15022408)	31.11307
(15022408)	19.07979 (15022408)		
3602597.5	54.11889 (17062906)	36.28287 (16040807)	39.75657
(16040807)	29.55331 (15022408)		
3602347.5	56.10425 (16122817)	64.97461 (15031607)	31.05074
(16071324)	67.11582 (16040807)		
3602097.5	91.54833 (17040307)	40.71570 (15013018)	39.15360
(16121203)	34.73123 (17123017)		
3601847.5	69.68719 (17011224)	33.39885 (16121120)	31.12682
(16013009)	30.57814 (16121203)		
3601597.5	35.16777 (16010421)	31.15112 (17011224)	29.96180
(16121120)	27.06789 (16013009)		
3601347.5	29.99142 (17021408)	26.18890 (16010421)	25.82912
(17011224)	24.64331 (16121120)		
3601097.5	28.38989 (17021408)	25.68632 (16121022)	22.95771
(16010421)	23.57163 (17021621)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC5 ***
 INCLUDING SOURCE(S): TC5 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD
(M)	Y-COORD (M)	CONC	(YYMMDDHH)	
-----	-----	-----	-----	-----
	508226.78	3603955.63	687.92908 (15121608)	
507708.67	3603932.32	179.42504 (16011421)		
	506203.59	3603369.23	40.53259 (15012720)	
507919.87	3604794.52	132.62921 (15123006)		
	507037.89	3604916.08	72.96634 (15120308)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC6 ***
 INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)	504618.86
504868.86	505118.86			

3606097.5	13.41308 (16020408)	14.19709 (15011008)	17.01219
(16012908)	19.53685 (16012908)	20.11723 (17020308)	
3605847.5	16.58412 (15040607)	15.63108 (15040607)	16.06895
(16020408)	17.85315 (15011008)	22.26697 (16012908)	
3605597.5	16.29600 (15040607)	18.49957 (15040607)	20.24658
(15040607)	19.83885 (15040607)	21.08707 (16020408)	
3605347.5	15.54022 (17012508)	15.80819 (15011608)	17.42774
(15040607)	20.00612 (15040607)	23.80739 (15040607)	
3605097.5	16.12837 (16122808)	16.90417 (17010407)	18.96344
(17012508)	19.07817 (17012508)	20.66370 (15011608)	
3604847.5	21.95447 (15040307)	22.81782 (15040307)	21.81840
(15040307)	20.46650 (16122808)	22.94896 (16122808)	
3604597.5	18.92128 (17092707)	19.88765 (17092707)	20.42597
(17092707)	23.98844 (15040307)	28.76813 (15040307)	
3604347.5	19.91755 (16040507)	20.27797 (16040507)	20.64921
(16040507)	21.16183 (16011421)	24.13345 (16011421)	
3604097.5	16.51319 (17011708)	18.62768 (17011708)	20.14344
(17011708)	22.21002 (17011708)	24.80467 (17011708)	
3603847.5	19.39924 (17021608)	20.70195 (17021608)	22.66363
(17021608)	23.77895 (17021608)	26.33036 (17122608)	
3603597.5	15.75702 (17021608)	16.07310 (15021102)	18.28986
(15021102)	20.33896 (15021102)	22.06569 (15021102)	
3603347.5	15.12082 (17122908)	16.77937 (17122908)	18.57855
(17122908)	20.04812 (17122908)	21.89006 (16010308)	
3603097.5	14.57487 (17011719)	15.93254 (17011719)	17.27330
(15012720)	19.73075 (15012720)	21.13033 (16021602)	
3602847.5	14.27095 (16021602)	15.23170 (16012803)	17.19451
(16012803)	18.65881 (16011702)	20.50464 (17120906)	
3602597.5	14.15147 (17120906)	15.24142 (15011506)	18.21782
(15092907)	22.76438 (15092907)	25.84274 (15092907)	
3602347.5	18.85223 (15092907)	21.35193 (15092907)	22.00929
(15092907)	20.13701 (15092907)	20.52392 (17092807)	
3602097.5	18.47983 (15092907)	15.97151 (15092907)	19.08347
(17092807)	23.66775 (17092807)	25.04514 (17092807)	
3601847.5	17.79831 (17092807)	21.25478 (17092807)	21.82290
(17092807)	26.15357 (15092707)	30.62512 (15092707)	
3601597.5	19.71636 (17092807)	22.61851 (15092707)	26.65778
(15092707)	26.52423 (15092707)	21.22190 (15092707)	
3601347.5	23.82270 (15092707)	24.72248 (15092707)	21.58403
(15092707)	15.29250 (15092707)	10.87976 (17122105)	
3601097.5	21.36140 (15092707)	16.73191 (15092707)	10.78016
(15092707)	9.78094 (17122105)	10.52005 (15121422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC6 ***
 INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS)	505868.86
506118.86	506368.86			

3606097.5	28.01656 (17040507)	28.34662 (17040507)	27.19850
(17020108)	26.69916 (16121408)	39.28516 (16120208)	
3605847.5	25.00157 (17020308)	27.78677 (17040507)	33.18892
(17040507)	30.65008 (17020108)	30.97723 (16121408)	
3605597.5	23.32705 (16011506)	29.13507 (16012908)	31.58084
(17020308)	37.66336 (17040507)	34.72339 (17020108)	
3605347.5	24.18929 (15121608)	26.68076 (16020408)	31.28141
(16011506)	38.27764 (17020308)	39.70597 (15021008)	
3605097.5	22.97066 (15040607)	28.61716 (15040607)	31.46710
(15121608)	35.10275 (16020408)	43.04590 (16012908)	
3604847.5	23.87225 (17012508)	26.27177 (17012508)	30.83912
(15011608)	34.08247 (17012703)	41.93275 (15121608)	
3604597.5	27.94024 (15040307)	28.39458 (16122808)	30.84936
(16122808)	34.94037 (17012508)	41.38166 (17012508)	
3604347.5	27.58205 (15122708)	31.34987 (17020524)	33.82530
(16020401)	34.32104 (15020702)	41.23116 (17013020)	
3604097.5	27.93931 (17011708)	33.52448 (17011708)	36.39966
(17011708)	36.41220 (16120722)	40.50655 (16120722)	
3603847.5	30.37510 (17122608)	33.39151 (17122608)	35.46103
(17122608)	40.80127 (17122608)	46.12456 (17122608)	
3603597.5	25.03052 (15021102)	27.46100 (16012807)	30.39139
(16012807)	35.53266 (17122908)	45.40119 (17122908)	
3603347.5	23.94052 (16010308)	26.77675 (17011719)	30.32802
(17011719)	36.03805 (15012720)	42.19329 (16021602)	
3603097.5	22.31292 (16021602)	26.34900 (16012803)	29.41284
(17120906)	35.38071 (15011506)	41.64358 (16021406)	
3602847.5	22.47587 (15011506)	28.58118 (15092907)	32.24619
(15092907)	34.11126 (17122824)	41.06098 (17010708)	
3602597.5	25.93129 (15092907)	25.01094 (17010704)	31.45388
(17092807)	35.42400 (17092807)	49.65825 (15092707)	
3602347.5	27.48091 (17092807)	29.59422 (17092807)	38.89995
(15092707)	40.63167 (15092707)	27.68788 (15092707)	
3602097.5	31.34404 (15092707)	35.02969 (15092707)	29.79780
(15092707)	18.39924 (17122302)	19.87739 (15121422)	
3601847.5	28.34185 (15092707)	20.07846 (15092707)	15.32888
(17122105)	16.96415 (15121422)	18.20887 (16121224)	
3601597.5	13.12613 (15092707)	13.07102 (15022607)	14.38862
(17012504)	15.57647 (16020405)	16.50561 (17121505)	
3601347.5	11.59607 (15012201)	12.52346 (17012504)	13.45324
(16020405)	14.22587 (17121505)	15.12187 (15120324)	
3601097.5	11.22980 (17021905)	11.91618 (16020405)	12.69303
(17121505)	13.45610 (15120324)	13.98950 (16021923)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC6 ***
 INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS)	507118.86
507368.86	507618.86			

3606097.5	49.19819 (16120208)	35.97769 (15121708)	54.63879
(17021308)	72.52099 (15021508)	66.80114 (17010724)	
3605847.5	44.43214 (16120208)	54.77701 (16120208)	47.37170
(16010908)	76.43477 (15021508)	71.52484 (15121303)	
3605597.5	36.63346 (17020202)	50.33071 (16120208)	57.27001
(16120208)	66.57258 (15122808)	95.28881 (15021508)	
3605347.5	42.87304 (15121803)	46.99735 (17020108)	56.13688
(16120208)	61.75391 (15121708)	61.55187 (17021308)	
3605097.5	51.13484 (17020308)	55.56726 (15120308)	68.10438
(17020108)	77.49337 (16120208)	83.95564 (15121708)	
3604847.5	48.58096 (16020408)	66.01720 (16012908)	76.15913
(15021008)	101.77569 (17020108)	124.73398 (16120208)	
3604597.5	49.06958 (17121424)	60.93945 (15121608)	75.87453
(16020408)	112.89271 (17020308)	149.14799 (17020108)	
3604347.5	50.23921 (16122808)	57.37636 (16122808)	74.33029
(17012508)	98.98243 (15012401)	136.98116 (16020408)	
3604097.5	48.61688 (16011421)	61.18110 (16011421)	78.66897
(17020524)	95.23356 (15020702)	139.12590 (16122808)	
3603847.5	52.11906 (17122608)	63.48440 (17122608)	78.62348
(17122608)	104.00130 (17122608)	146.34879 (17122608)	
3603597.5	52.40506 (17122908)	60.36971 (16010308)	74.44806
(17011719)	90.99975 (16021602)	122.81978 (16011702)	
3603347.5	49.98451 (16012803)	56.99677 (17120906)	72.31637
(16021406)	94.90823 (17122824)	111.30964 (17121308)	
3603097.5	48.63977 (17121720)	57.24979 (17010708)	66.76033
(17121308)	72.25844 (16021107)	61.95641 (15121422)	
3602847.5	48.13066 (17121308)	58.86417 (15092707)	41.90192
(15092707)	44.95172 (17012504)	49.13598 (15013101)	
3602597.5	42.67746 (15092707)	30.72755 (16011206)	35.43637
(17021905)	36.78952 (17121505)	41.69469 (16122704)	
3602347.5	24.09699 (15022607)	27.13319 (17021905)	29.42656
(17121505)	31.81331 (16021923)	34.70727 (17011624)	
3602097.5	21.46046 (16121224)	23.53442 (17121505)	25.38930
(17010801)	27.56494 (16120304)	32.11889 (17022103)	
3601847.5	19.36985 (17121505)	21.29829 (17010801)	22.08923
(16011202)	27.06644 (17040807)	27.96634 (15021805)	
3601597.5	17.56467 (16121724)	19.02601 (16122704)	20.01968
(17011624)	22.92835 (16011119)	35.10668 (17020408)	
3601347.5	16.04179 (16022007)	17.20311 (16120304)	24.06178
(17040807)	22.81298 (15041007)	41.76092 (17020408)	
3601097.5	14.96292 (17012722)	19.27688 (17040807)	18.47677
(17040807)	25.21315 (17020408)	42.24956 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC6 ***
 INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS)	508368.86
508618.86	508868.86			

3606097.5	38.30603 (17070706)	41.17441 (15022002)	21.60148
(17022408)	13.48550 (16112208)	37.98716 (17032607)	
3605847.5	80.82665 (17021508)	99.31574 (16120908)	51.88250
(17022408)	35.17207 (15111919)	87.56302 (17032607)	
3605597.5	82.31118 (17021508)	55.58380 (16021807)	58.01932
(16120106)	65.18355 (15010907)	96.14016 (17020819)	
3605347.5	59.84171 (15021508)	64.43822 (17021508)	72.42265
(17022408)	34.35169 (16112208)	122.19819 (17120924)	
3605097.5	98.64792 (15021508)	139.91343 (16012808)	40.68354
(17022408)	27.80256 (16112208)	38.77569 (17032607)	
3604847.5	183.39307 (17021107)	168.90327 (15121303)	81.67380
(17022408)	38.37619 (16112208)	22.47564 (17032607)	
3604597.5	184.77350 (15120408)	169.06417 (15021508)	65.64431
(15013009)	74.64530 (17032607)	35.93159 (16111708)	
3604347.5	206.75711 (15021008)	294.33387 (15120408)	250.18454
(17102907)	220.52406 (17032607)	60.73821 (17022620)	
3604097.5	220.28887 (15011608)	387.51271 (16012908)	761.45582
(15121708)	977.63815 (15122908)	412.60804 (17120708)	
3603847.5	229.31818 (17122608)	385.43319 (17122608)	1065.78971
(17122608)	5070.27413 (15022806)	379.71062 (15061006)	
3603597.5	192.28134 (16021406)	286.12609 (16122619)	370.71636
(17010801)	408.33080 (16021308)	205.48384 (16013009)	
3603347.5	101.54643 (17122302)	131.17468 (15120324)	212.27214
(15022505)	308.24253 (15021621)	104.00857 (16022919)	
3603097.5	74.86237 (16020219)	96.11324 (17022103)	122.47673
(15012823)	183.58666 (16022219)	166.75767 (15011507)	
3602847.5	58.91697 (17012722)	74.75221 (16021904)	81.69770
(17122619)	100.24152 (17122205)	96.46404 (16022321)	
3602597.5	51.41984 (17022103)	79.68808 (17020408)	61.83256
(16010118)	73.15547 (17122205)	70.44490 (16122021)	
3602347.5	41.93789 (15021805)	64.16845 (17020408)	47.70448
(16122020)	57.17990 (17121519)	55.81320 (16121418)	
3602097.5	51.96827 (17020408)	42.83863 (17020408)	38.28731
(16122020)	45.81807 (15121123)	45.10850 (17121306)	
3601847.5	54.51495 (17020408)	30.68840 (17122619)	31.91482
(16022802)	38.11550 (15121123)	37.42300 (15021622)	
3601597.5	47.05245 (17020408)	26.50230 (17122619)	27.04893
(16012923)	32.45554 (15121123)	32.61685 (16112308)	
3601347.5	36.42651 (17020408)	22.95872 (15022601)	23.56614
(16012923)	28.06193 (15121123)	30.36473 (16112308)	
3601097.5	25.76120 (17020408)	20.64018 (16010118)	21.08150
(17010402)	24.69516 (15121123)	27.47627 (16112308)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TC6 ***
INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS) 509618.86
509868.86	510118.86		

3606097.5	19.05268 (17032607)	13.34029 (15121322)	10.33069
(16111708)	7.77467 (17020109)	5.79966 (17020109)	
3605847.5	12.47230 (15021124)	64.15820 (15122821)	16.34291
(16083007)	7.48504 (17020109)	8.43090 (16092207)	
3605597.5	68.48915 (15021924)	63.43845 (17060105)	34.82675
(15092321)	17.77731 (15022123)	10.48350 (17121809)	
3605347.5	96.09540 (15033023)	82.90970 (16120518)	84.82654
(17022521)	19.40171 (16092207)	10.33310 (17121809)	
3605097.5	25.94093 (16083007)	11.28120 (15022224)	24.01153
(16092207)	50.10410 (17090523)	12.96062 (15110508)	
3604847.5	18.73720 (16111708)	16.56252 (16092207)	13.80694
(17121809)	11.74989 (15022724)	14.81404 (15022818)	
3604597.5	22.44929 (16092207)	16.80874 (17121809)	11.89316
(15082707)	14.29421 (17032608)	20.88804 (17032608)	
3604347.5	37.35148 (17012305)	34.20909 (15022818)	41.64669
(17032608)	51.07388 (16040707)	42.32368 (16040707)	
3604097.5	138.62007 (16040707)	72.93102 (16040707)	26.86794
(16040707)	19.06391 (17082707)	17.62294 (16090707)	
3603847.5	161.14085 (15061006)	83.72342 (15021202)	35.47102
(17030408)	24.81547 (17030408)	21.02157 (15062407)	
3603597.5	97.39131 (15022408)	47.17411 (15122117)	37.86170
(17010520)	30.19821 (15020117)	21.75198 (15061907)	
3603347.5	97.64303 (16013009)	64.19345 (16040807)	140.88004
(16100807)	40.70375 (15022408)	79.75110 (17040401)	
3603097.5	54.00416 (17020419)	147.68374 (16121120)	123.20034
(17022804)	144.98418 (17011308)	139.72444 (16121122)	
3602847.5	142.49934 (17120621)	96.61537 (16121022)	81.96882
(16121120)	93.31203 (16122817)	74.18951 (17121101)	
3602597.5	69.76103 (16121220)	85.73647 (15020908)	70.78920
(16010421)	67.15977 (17122518)	67.27109 (15013018)	
3602347.5	53.27949 (17010624)	56.66604 (17120621)	68.71705
(17021408)	53.87414 (16010421)	50.84481 (17122518)	
3602097.5	43.42568 (15021419)	41.26775 (17010406)	53.64610
(17120621)	50.23637 (17021408)	84.66861 (15011201)	
3601847.5	37.05427 (15011921)	37.40068 (15022808)	35.32592
(16121008)	44.75128 (15020908)	40.91244 (16121022)	
3601597.5	31.70661 (16122021)	38.02295 (15022808)	28.51912
(17010406)	36.63018 (17120621)	38.24637 (17021408)	
3601347.5	28.16154 (17031208)	29.49032 (15022808)	25.14251
(16121220)	25.47107 (16121008)	32.47157 (15020908)	
3601097.5	24.42048 (16121418)	23.94992 (17011319)	30.19362
(15022808)	21.61847 (16092807)	26.74691 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TC6 ***
INCLUDING SOURCE(S): TC6 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS) 510868.86
511118.86			

3606097.5	8.01871 (16092207)	8.79535 (17121809)	7.62256
(17121809)	5.93249 (17032908)		
3605847.5	9.57239 (17121809)	8.33982 (17121809)	6.55834
(17032908)	6.52075 (15082707)		
3605597.5	9.22055 (17121809)	7.28265 (17032908)	7.03114
(15082707)	5.14462 (15082707)		
3605347.5	8.11324 (17032908)	7.35010 (15082707)	4.53462
(15082707)	6.11608 (17122309)		
3605097.5	7.26257 (15082707)	6.27497 (17122309)	9.92735
(17122309)	11.71364 (17122309)		
3604847.5	13.53972 (16082307)	13.88568 (17122309)	21.99160
(16040707)	29.61957 (16040707)		
3604597.5	33.11711 (16040707)	37.96689 (16040707)	31.31065
(16040707)	20.92985 (16040707)		
3604347.5	24.42251 (16040707)	11.70378 (16040707)	11.40747
(17082707)	11.41529 (17082707)		
3604097.5	17.21056 (16090707)	16.02929 (16090707)	14.55529
(16090707)	13.03888 (16090707)		
3603847.5	18.82092 (15062407)	17.08632 (15062407)	15.67807
(15062407)	14.50819 (15062407)		
3603597.5	21.06062 (15061907)	16.58435 (15061907)	13.39948
(17042907)	11.85728 (17042907)		
3603347.5	36.68937 (15091922)	13.61895 (17082908)	8.55324
(17122709)	6.61364 (15061907)		
3603097.5	38.64082 (15022408)	21.46787 (15022408)	11.53096
(17122709)	10.81196 (17122709)		
3602847.5	103.63522 (15121020)	38.74329 (16040807)	34.12820
(15022408)	24.14043 (15022408)		
3602597.5	66.31788 (16010101)	29.58264 (16040807)	40.24954
(16040807)	32.86757 (16040807)		
3602347.5	55.59716 (15013018)	69.42243 (17010220)	36.30845
(16071324)	58.94393 (16040807)		
3602097.5	91.21555 (17040307)	38.63989 (17122124)	38.98695
(16121203)	36.20910 (17022804)		
3601847.5	68.76005 (16010601)	33.90304 (17122518)	31.02025
(17122124)	29.98529 (16122817)		
3601597.5	35.23325 (16121022)	30.48361 (17011224)	30.17130
(17122518)	25.55297 (17122124)		
3601347.5	31.96891 (17021408)	24.78708 (16121022)	25.83619
(17011224)	24.84811 (17122518)		
3601097.5	28.04093 (15020908)	25.56598 (17021408)	22.05944
(16010421)	23.49066 (17011224)		

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC6 ***
 INCLUDING SOURCE(S): TC6 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
508226.78	3603955.63	540.34904 (17012508)	
507708.67	3603932.32	161.12968 (17011708)	
506203.59	3603369.23	37.99721 (15012720)	
507919.87	3604794.52	170.51148 (15122808)	
507037.89	3604916.08	70.20372 (15021008)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC7 ***
 INCLUDING SOURCE(S): TC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504868.86	505118.86

3606097.5	13.43741 (16020408)	14.23883 (15011008)	17.08736
(16012908)	19.56046 (16012908)	20.10234 (17020308)	
3605847.5	16.59439 (15040607)	15.62352 (15040607)	16.10401
(16020408)	17.92594 (15011008)	22.38641 (16012908)	
3605597.5	16.34204 (15040607)	18.53961 (15040607)	20.27794
(15040607)	19.84920 (15040607)	21.18151 (16020408)	
3605347.5	15.58820 (17012508)	15.85180 (15011608)	17.49084
(15040607)	20.05997 (15040607)	23.86298 (15040607)	
3605097.5	16.18525 (16122808)	16.97805 (17010407)	19.04670
(17012508)	19.11201 (17012508)	20.71145 (15011608)	
3604847.5	22.01720 (15040307)	22.87556 (15040307)	21.85802
(15040307)	20.53313 (16122808)	23.04570 (16122808)	
3604597.5	18.97177 (17092707)	19.94041 (17092707)	20.47973
(17092707)	24.08142 (15040307)	28.88855 (15040307)	

3604347.5	19.97215 (16040507)	20.33584 (16040507)	20.71271
(16040507)	21.25784 (16011421)	24.26136 (16011421)	
3604097.5	16.56534 (17011708)	18.70135 (17011708)	20.22266
(17011708)	22.30478 (17011708)	24.92564 (17011708)	
3603847.5	19.47301 (17021608)	20.78567 (17021608)	22.76583
(17021608)	23.88805 (17021608)	26.47855 (17122608)	
3603597.5	15.74255 (17021608)	16.14379 (15021102)	18.37872
(15021102)	20.43874 (15021102)	22.16649 (15021102)	
3603347.5	15.18150 (17122908)	16.84537 (17122908)	18.64949
(17122908)	20.11349 (17122908)	21.97929 (16010308)	
3603097.5	14.63288 (17011719)	15.98474 (17011719)	17.34283
(15012720)	19.80431 (15012720)	21.21017 (16021602)	
3602847.5	14.30109 (16021602)	15.30160 (16012803)	17.25692
(16012803)	18.72876 (16011702)	20.58013 (17120906)	
3602597.5	14.20588 (17120906)	15.30633 (15011506)	18.38760
(15092907)	22.91468 (15092907)	25.92478 (15092907)	
3602347.5	18.96502 (15092907)	21.42448 (15092907)	22.01446
(15092907)	20.06330 (15092907)	20.75751 (17092807)	
3602097.5	18.44714 (15092907)	15.88838 (15092907)	19.26191
(17092807)	23.78411 (17092807)	25.03446 (17092807)	
3601847.5	17.93849 (17092807)	21.34151 (17092807)	21.81165
(17092807)	26.35123 (15092707)	30.69861 (15092707)	
3601597.5	19.70781 (17092807)	22.79345 (15092707)	26.74788
(15092707)	26.47693 (15092707)	21.05219 (15092707)	
3601347.5	23.92285 (15092707)	24.72062 (15092707)	21.47397
(15092707)	15.12455 (15092707)	10.91652 (17122105)	
3601097.5	21.29818 (15092707)	16.60164 (15092707)	10.63724
(15092707)	9.79925 (15022607)	10.56517 (15121422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TC7 ***
 INCLUDING SOURCE(S): TC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
505368.86	505618.86
506118.86	506368.86

3606097.5	28.16064 (17040507)	28.30618 (17040507)	27.28916
(17020108)	26.79251 (16121408)	39.66542 (16120208)	
3605847.5	25.09141 (17020308)	28.01766 (17040507)	33.23253
(17040507)	30.79070 (17020108)	31.13031 (16121408)	
3605597.5	23.49402 (16011506)	29.29126 (16012908)	31.66691
(17020308)	37.85157 (17040507)	34.97954 (17020108)	
3605347.5	24.29782 (15121608)	26.81770 (16020408)	31.52145
(16011506)	38.54797 (17020308)	40.02643 (15021008)	
3605097.5	23.06049 (15040607)	28.71758 (15040607)	31.65202
(15121608)	35.31221 (16020408)	43.46709 (16012908)	
3604847.5	23.94647 (17012508)	26.32351 (17012508)	30.97925
(15011608)	34.26130 (17012703)	42.24723 (15121608)	
3604597.5	28.01869 (15040307)	28.52771 (16122808)	30.92976
(16122808)	35.10138 (17012508)	41.57037 (17012508)	

Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	27.74161 (15122708)	31.54752 (17020524)	34.04471
(16020401)	34.44236 (15020702)	41.44743 (17013020)	
3604097.5	28.09740 (17011708)	33.75605 (17011708)	36.67243
(17011708)	36.59366 (16120722)	40.66858 (16120722)	
3603847.5	30.56260 (17122608)	33.60805 (17122608)	35.67235
(17122608)	41.06725 (17122608)	46.41275 (17122608)	
3603597.5	25.14968 (15021102)	27.61474 (16012807)	30.53853
(16012807)	35.80479 (17122908)	45.78918 (17122908)	
3603347.5	24.02163 (16010308)	26.93036 (17011719)	30.46483
(17011719)	36.23545 (15012720)	42.42658 (16021602)	
3603097.5	22.43366 (16012803)	26.47272 (16012803)	29.60317
(17120906)	35.60894 (15011506)	41.96540 (16021406)	
3602847.5	22.55059 (15011506)	28.79339 (15092907)	32.32666
(15092907)	34.30509 (17122824)	41.27798 (17010708)	
3602597.5	25.90134 (15092907)	25.14978 (17010708)	31.70594
(17092807)	35.69443 (15092707)	49.97855 (15092707)	
3602347.5	27.65507 (17092807)	29.58709 (17092807)	39.17878
(15092707)	40.56389 (15092707)	27.30763 (15092707)	
3602097.5	31.57637 (15092707)	35.05684 (15092707)	29.57435
(15092707)	18.44850 (17122302)	19.99628 (15121422)	
3601847.5	28.22512 (15092707)	19.83754 (15092707)	15.36334
(15022607)	17.01925 (15121422)	18.26397 (16121224)	
3601597.5	12.92530 (15092707)	13.10516 (15022607)	14.44834
(17012504)	15.65541 (16020405)	16.52815 (17121505)	
3601347.5	11.63353 (15012201)	12.55427 (17012504)	13.50667
(16020405)	14.24594 (17121505)	15.13697 (15120324)	
3601097.5	11.27549 (17021905)	11.95407 (16020405)	12.71253
(17121505)	13.48529 (15120324)	14.01497 (16021923)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TC7
 INCLUDING SOURCE(S): TC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		
- - - - -			
- - - - -			

3606097.5	49.13674 (16120208)	35.92332 (15121708)	55.85863
(17021308)	72.93735 (15021508)	67.36632 (17010724)	
3605847.5	44.87463 (16120208)	54.61854 (16120208)	47.64807
(16010908)	77.34866 (15021508)	72.67497 (15121303)	
3605597.5	36.73157 (17020202)	50.83966 (16120208)	56.91633
(16120208)	84.56035 (17011603)	95.13822 (15021508)	
3605347.5	43.18162 (15121803)	46.87688 (17020108)	56.69388
(16120208)	62.13408 (15121708)	62.54649 (17021308)	
3605097.5	51.37516 (17020308)	55.91178 (15120308)	68.42906
(17020108)	78.39807 (16120208)	84.05166 (15121708)	
3604847.5	48.92018 (16020408)	66.66907 (16012908)	76.95534
(15021008)	102.90796 (17020108)	126.85750 (16120208)	
3604597.5	49.43393 (17121424)	61.59437 (15121608)	76.56374
(16020408)	114.20087 (17020308)	151.74239 (17020108)	

3604347.5	50.51765 (16122808)	57.71681 (17012508)	74.83985
(17012508)	100.22329 (15012401)	138.83395 (16011506)	
3604097.5	48.86752 (16011421)	61.65452 (16011421)	79.44885
(17020524)	96.08372 (15020702)	140.74165 (16122808)	
3603847.5	52.35923 (17122608)	63.84392 (17122608)	79.09845
(17122608)	104.91271 (17122608)	148.17070 (17122608)	
3603597.5	52.79958 (17122908)	60.83164 (16010308)	75.22518
(17011719)	91.93737 (16021602)	124.40559 (16011702)	
3603347.5	50.34307 (16012803)	57.39302 (17120906)	73.02083
(16021406)	95.76452 (17122824)	111.43017 (17121308)	
3603097.5	49.01460 (17121720)	57.77307 (17010708)	66.96836
(17121308)	72.16104 (16021107)	62.65175 (15121422)	
3602847.5	48.28672 (17121308)	59.03792 (15092707)	41.18099
(15092707)	45.29184 (17012504)	49.52438 (15013101)	
3602597.5	42.37429 (15092707)	30.87071 (16011206)	35.68008
(17021905)	37.00765 (15013101)	41.92546 (16122704)	
3602347.5	24.22555 (15012201)	27.22760 (17021905)	29.45595
(17121505)	31.92178 (17022221)	34.71535 (17011624)	
3602097.5	21.55851 (16121224)	23.56169 (17121505)	25.45008
(17010801)	27.71617 (16120304)	32.24204 (16011119)	
3601847.5	19.39367 (17121505)	21.41087 (17010801)	22.20305
(17012722)	27.36561 (17040807)	28.08519 (15021805)	
3601597.5	17.62016 (16121724)	19.09523 (16122704)	20.06223
(17011624)	22.99083 (16011119)	35.88779 (17020408)	
3601347.5	16.09026 (16022007)	17.27006 (16120304)	24.13101
(17040807)	23.02153 (15041007)	42.21397 (17020408)	
3601097.5	15.02700 (17012722)	19.58819 (17040807)	18.16914
(17040807)	25.81617 (17020408)	42.32963 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TC7
 INCLUDING SOURCE(S): TC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
- - - - -			
- - - - -			

3606097.5	37.25789 (17070706)	41.25914 (17022408)	21.15940
(17022408)	13.23824 (16112208)	38.44470 (17032607)	
3605847.5	80.39633 (17021508)	99.48636 (16120908)	51.01772
(17022408)	34.17512 (15111919)	87.89576 (17032607)	
3605597.5	83.52488 (17021508)	55.21445 (16021807)	58.10241
(16120106)	65.31717 (15010907)	94.63317 (17032607)	
3605347.5	58.81275 (15021508)	63.15321 (15022206)	72.17190
(17022408)	33.64178 (16091507)	120.87047 (17120924)	
3605097.5	99.36673 (15021508)	136.82423 (16012808)	41.05244
(17022408)	26.88012 (16112208)	36.82168 (17032607)	
3604847.5	180.77276 (17021107)	166.55152 (15121303)	84.20393
(17022408)	40.03886 (17032607)	20.44738 (17032607)	
3604597.5	185.56143 (15120408)	171.90328 (15021508)	66.36292
(15013009)	80.07956 (17032607)	36.97381 (16111708)	

Otay Hills Quarry AERMOD Output File (HRA)

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3604347.5 | 209.48102 (15021008) 299.57218 (15123008) 243.04946
(17102907) 236.21897 (17032607) 59.70720 (17022620)
3604097.5 | 224.61646 (15011608) 399.95456 (16012908) 787.70575
(15121708) 938.33066 (16122307) 405.73982 (17120708)
3603847.5 | 233.61154 (17122608) 393.23142 (17122608) 1109.80141
(17122608) 4962.31991 (15022806) 361.16915 (15061006)
3603597.5 | 195.10774 (16021406) 289.39446 (17020106) 376.51312
(16122704) 393.00109 (16021308) 206.64127 (16013009)
3603347.5 | 102.43465 (17122302) 132.22984 (15120324) 215.77161
(15022505) 310.44134 (15021621) 104.01333 (16022919)
3603097.5 | 75.47876 (15120324) 97.77593 (17022103) 123.89147
(15012823) 184.59743 (16022219) 167.84923 (16121220)
3602847.5 | 59.20214 (17012722) 75.12792 (16021904) 81.41628
(17122619) 100.16151 (17122205) 96.50968 (16022321)
3602597.5 | 51.67971 (17022103) 80.28691 (17020408) 61.97729
(16010118) 73.41993 (17122205) 70.54794 (16122021)
3602347.5 | 42.04464 (15021805) 63.35214 (17020408) 47.93124
(16122020) 57.18191 (17121519) 55.70795 (15020321)
3602097.5 | 52.92103 (17020408) 41.74711 (17020408) 38.26068
(16022802) 45.85581 (17121519) 45.13368 (17121306)
3601847.5 | 54.69836 (17020408) 30.83239 (17122619) 31.88854
(16022802) 37.99247 (15121123) 37.49348 (15021622)
3601597.5 | 46.69423 (17020408) 26.45767 (16011319) 27.07678
(16012923) 32.39232 (15121123) 32.52911 (16112308)
3601347.5 | 35.85638 (17020408) 23.01285 (15022601) 23.60671
(17010402) 28.03339 (15121123) 30.41430 (16112308)
3601097.5 | 25.20021 (17020408) 20.70029 (16010118) 21.12641
(17010402) 24.69258 (15121123) 27.60874 (16112308)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TC7 ***
INCLUDING SOURCE(S): TC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS) 509618.86
509868.86	510118.86		

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3606097.5 | 18.26196 (17032607) 13.08672 (15121322) 10.32278
(16111708) 7.76937 (17020109) 5.72838 (17020109)
3605847.5 | 12.28729 (15021124) 64.16478 (15122821) 16.15679
(16083007) 7.41783 (17020109) 8.49335 (16092207)
3605597.5 | 67.67830 (15021924) 62.30318 (17060105) 32.90766
(15092321) 17.36767 (15022123) 10.51925 (17121809)
3605347.5 | 93.60344 (15033023) 79.93645 (16120518) 83.23711
(17022521) 19.11956 (16092207) 10.23264 (17121809)
3605097.5 | 26.07480 (16083007) 11.56093 (15022224) 23.78965
(16092207) 49.31988 (17090523) 13.03466 (15110508)
3604847.5 | 18.08967 (16111708) 16.56820 (16092207) 13.62461
(17121809) 11.76916 (15022724) 14.90262 (15022818)
3604597.5 | 22.98046 (16092207) 16.52805 (17121809) 11.73808
(15082707) 14.67683 (17032608) 20.90018 (17032608)

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3604347.5 | 35.18945 (17012305) 33.84362 (15022818) 41.53921
(17032608) 51.25535 (16040707) 41.82954 (16040707)
3604097.5 | 142.96934 (16040707) 71.39369 (16040707) 25.92751
(16040707) 19.04907 (17082707) 17.67564 (16090707)
3603847.5 | 155.00716 (15061006) 82.23077 (15021202) 35.09330
(17030408) 24.60745 (17030408) 20.99731 (15062407)
3603597.5 | 96.80371 (15022408) 46.46797 (15122117) 37.29288
(17010520) 30.00584 (15020117) 21.68864 (15061907)
3603347.5 | 98.72669 (16013009) 65.13439 (16040807) 137.44706
(16100807) 40.23862 (15022408) 77.21219 (17040401)
3603097.5 | 54.15944 (17020419) 209.18224 (17040307) 123.44172
(17022804) 142.98545 (17011308) 138.33384 (16121122)
3602847.5 | 143.81483 (17120621) 95.88812 (16121022) 81.75558
(16121120) 92.80093 (16121203) 74.42175 (17121101)
3602597.5 | 69.50308 (16121220) 85.66050 (15020908) 71.18365
(16010421) 67.21845 (16121120) 67.36481 (16122817)
3602347.5 | 53.16966 (17010624) 57.60638 (17120621) 68.70502
(17021408) 53.83131 (16010421) 50.70719 (17122518)
3602097.5 | 43.49462 (15021419) 41.35565 (17010406) 53.63988
(17120621) 49.84613 (17021408) 85.15112 (15011201)
3601847.5 | 37.04459 (17011319) 36.85479 (15022808) 35.68924
(17120621) 44.68436 (15020908) 41.02344 (16121022)
3601597.5 | 31.75117 (16122021) 38.16320 (15022808) 28.51347
(17010406) 36.78023 (17120621) 38.28883 (17021408)
3601347.5 | 28.30036 (17031208) 30.02695 (15022808) 25.14391
(16121220) 25.53604 (16121008) 32.66408 (15020908)
3601097.5 | 24.39055 (16121418) 23.93416 (17011319) 30.00200
(15022808) 21.71875 (16092807) 26.94914 (17120621)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TC7 ***
INCLUDING SOURCE(S): TC7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS) 510868.86
511118.86			

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3606097.5 | 8.03001 (16092207) 8.80423 (17121809) 7.56643
(17121809) 5.94709 (17032908)
3605847.5 | 9.59149 (17121809) 8.27344 (17121809) 6.56836
(17032908) 6.51773 (15082707)
3605597.5 | 9.14016 (17121809) 7.28439 (17032908) 7.00762
(15082707) 5.08347 (15082707)
3605347.5 | 8.10029 (17032908) 7.29669 (15082707) 4.45920
(15082707) 6.20090 (17122309)
3605097.5 | 7.16982 (15082707) 6.38740 (17122309) 10.01303
(17122309) 11.73449 (17122309)
3604847.5 | 13.58593 (16082307) 13.90628 (17122309) 22.31037
(16040707) 29.75928 (16040707)
3604597.5 | 33.49018 (16040707) 37.93083 (16040707) 31.02843
(16040707) 20.62704 (16040707)

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Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	23.93058 (16040707)	11.41223 (16040707)	11.43396
(17082707)	11.41897 (17082707)		
3604097.5	17.21106 (16090707)	16.00063 (16090707)	14.51225
(16090707)	12.99019 (16090707)		
3603847.5	18.80370 (15062407)	17.07371 (15062407)	15.66864
(15062407)	14.50102 (15062407)		
3603597.5	21.00651 (15061907)	16.51518 (15061907)	13.34138
(17042907)	11.81147 (17042907)		
3603347.5	35.51985 (15091922)	13.59702 (17082908)	8.52539
(17122709)	6.59588 (15061907)		
3603097.5	38.41156 (15022408)	21.23983 (15022408)	11.51833
(17122709)	10.79189 (17122709)		
3602847.5	102.64593 (15121020)	38.44871 (16040807)	34.02463
(15022408)	23.96616 (15022408)		
3602597.5	64.55296 (16010101)	29.85944 (16040807)	40.24124
(16040807)	32.65463 (16040807)		
3602347.5	55.68959 (15013018)	68.35051 (17010220)	35.86937
(16071324)	59.27227 (16040807)		
3602097.5	91.66053 (17040307)	38.63537 (17122124)	39.09376
(16121203)	36.16519 (17022804)		
3601847.5	69.20215 (16010601)	33.84693 (17122518)	31.04844
(17122124)	30.03895 (16122817)		
3601597.5	35.19186 (16121022)	30.57187 (17011224)	30.15153
(17122518)	25.58955 (17122124)		
3601347.5	31.85791 (17021408)	24.58582 (16121022)	25.86086
(17011224)	24.82330 (17122518)		
3601097.5	27.96563 (15020908)	25.39502 (17021408)	22.13367
(16010421)	23.52440 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: TC7
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 *** INCLUDING SOURCE(S): TC7 ,

POINTS ***
 *** DISCRETE CARTESIAN RECEPTOR

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
508226.78	3603955.63	556.40231 (17012508)	
507708.67	3603932.32	163.55392 (17011708)	
506203.59	3603369.23	38.22097 (15012720)	
507919.87	3604794.52	167.32763 (15122808)	
507037.89	3604916.08	70.82914 (15021008)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: TP10
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

INCLUDING SOURCE(S): TP10 ,

GRIDCART ***
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504868.86	505118.86

3606097.5	13.40922 (16020408)	14.20135 (15011008)	17.02781
(16012908)	19.51941 (16012908)	20.08522 (17020308)	
3605847.5	16.55881 (15040607)	15.59156 (15040607)	16.06178
(16020408)	17.84572 (15011008)	22.26365 (16012908)	
3605597.5	16.30582 (15040607)	18.49238 (15040607)	20.21431
(15040607)	19.78181 (15040607)	21.05830 (16020408)	
3605347.5	15.51131 (17012508)	15.80401 (15011608)	17.44771
(15040607)	20.00761 (15040607)	23.77229 (15040607)	
3605097.5	16.09500 (16122808)	16.89098 (17010407)	18.94889
(17012508)	19.05101 (17012508)	20.65388 (15011608)	
3604847.5	21.94598 (15040307)	22.77709 (15040307)	21.74623
(15040307)	20.44354 (16122808)	22.87763 (16122808)	
3604597.5	18.91853 (17092707)	19.86312 (17092707)	20.37455
(17092707)	24.03486 (15040307)	28.77055 (15040307)	
3604347.5	19.88220 (16040507)	20.22579 (16040507)	20.57595
(16040507)	21.14261 (16011421)	24.08413 (16011421)	
3604097.5	16.51586 (17011708)	18.62109 (17011708)	20.13151
(17011708)	22.18737 (17011708)	24.76448 (17011708)	
3603847.5	19.33120 (17021608)	20.62640 (17021608)	22.57574
(17021608)	23.68453 (17021608)	26.28670 (17122608)	
3603597.5	15.83548 (17021608)	16.03942 (15021102)	18.25384
(15021102)	20.30588 (15021102)	22.04220 (15021102)	
3603347.5	15.09440 (17122908)	16.75770 (17122908)	18.56460
(17122908)	20.04912 (17122908)	21.87390 (16010308)	
3603097.5	14.55181 (17011719)	15.92186 (17011719)	17.25005
(15012720)	19.72295 (15012720)	21.11782 (16021602)	
3602847.5	14.27548 (16021602)	15.20242 (16012803)	17.18267
(16012803)	18.64423 (16011702)	20.49099 (17120906)	
3602597.5	14.13270 (17120906)	15.21752 (15011506)	18.10590
(15092907)	22.67658 (15092907)	25.81402 (15092907)	
3602347.5	18.78481 (15092907)	21.32002 (15092907)	22.03009
(15092907)	20.21395 (15092907)	20.38695 (17092807)	
3602097.5	18.52290 (15092907)	16.04857 (15092907)	18.98066
(17092807)	23.61259 (17092807)	25.07583 (17092807)	
3601847.5	17.71897 (17092807)	21.21530 (17092807)	21.84817
(17092807)	26.05378 (15092707)	30.60663 (15092707)	
3601597.5	19.73705 (17092807)	22.52806 (15092707)	26.62312
(15092707)	26.57150 (15092707)	21.33506 (15092707)	
3601347.5	23.77874 (15092707)	24.74051 (15092707)	21.66266
(15092707)	15.39843 (15092707)	10.87106 (17122105)	
3601097.5	21.41237 (15092707)	16.81758 (15092707)	10.86771
(15092707)	9.78330 (17122105)	10.50678 (15121422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: TP10
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS)
506118.86	506368.86		505868.86

3606097.5	28.01051 (17040507)	28.27779 (17040507)	27.17635
(17020108)	26.68975 (16121408)	39.29079 (16120208)	
3605847.5	24.97083 (17020308)	27.80790 (17040507)	33.12847
(17040507)	30.64702 (17020108)	30.97176 (16121408)	
3605597.5	23.32610 (16011506)	29.09982 (16012908)	31.49322
(17020308)	37.62593 (17040507)	34.73887 (17020108)	
3605347.5	24.14853 (15121608)	26.63636 (16020408)	31.25607
(16011506)	38.22438 (17020308)	39.65009 (15021008)	
3605097.5	22.98401 (15040607)	28.58061 (15040607)	31.41332
(15121608)	35.03002 (16020408)	43.03582 (16012908)	
3604847.5	23.87715 (17012508)	26.22936 (17012508)	30.77420
(15011608)	34.01067 (17012703)	41.87055 (15121608)	
3604597.5	27.89733 (15040307)	28.38935 (16122808)	30.80495
(16122808)	34.95628 (17012508)	41.26335 (17012508)	
3604347.5	27.53761 (15122708)	31.30822 (17122422)	33.78728
(16020401)	34.32474 (15020702)	41.23060 (16011108)	
3604097.5	27.87307 (17011708)	33.41054 (17011708)	36.24170
(17011708)	36.37517 (16120722)	40.43547 (16120722)	
3603847.5	30.31975 (17122608)	33.32800 (17122608)	35.40243
(17122608)	40.72767 (17122608)	46.05023 (17122608)	
3603597.5	25.01518 (15021102)	27.41097 (16012807)	30.36765
(16012807)	35.39788 (17122908)	45.25713 (17122908)	
3603347.5	23.94793 (16010308)	26.72130 (17011719)	30.31596
(17011719)	36.01561 (15012720)	42.18653 (16021602)	
3603097.5	22.34155 (16021602)	26.32670 (16012803)	29.34446
(17120906)	35.32231 (15011506)	41.54928 (16021406)	
3602847.5	22.46965 (15011506)	28.46085 (15092907)	32.23605
(15092907)	34.07211 (17122824)	41.03503 (17010708)	
3602597.5	25.98833 (15092907)	24.97734 (17010704)	31.32583
(17092807)	35.47584 (17092807)	49.53622 (15092707)	
3602347.5	27.39595 (17092807)	29.63240 (17092807)	38.77535
(15092707)	40.71736 (15092707)	27.93262 (15092707)	
3602097.5	31.23180 (15092707)	35.04644 (15092707)	29.95561
(15092707)	18.39851 (17122302)	19.84382 (15121422)	
3601847.5	28.43320 (15092707)	20.23214 (15092707)	15.32974
(17122105)	16.95659 (15121422)	18.20320 (16121224)	
3601597.5	13.24873 (15092707)	13.06757 (15022607)	14.37414
(17012504)	15.55515 (16020405)	16.51138 (17121505)	
3601347.5	11.58814 (15012201)	12.52020 (17012504)	13.44052
(16020405)	14.22934 (17121505)	15.12808 (15120324)	
3601097.5	11.21745 (17021905)	11.90855 (16020405)	12.69465
(17121505)	13.45408 (15120324)	13.98931 (16021923)	

*** AERMOD - VERSION 18081 *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP10 ***

INCLUDING SOURCE(S): TP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS)
507368.86	507618.86		507118.86

3606097.5	49.11776 (16120208)	35.92583 (15121708)	54.49476
(17021308)	72.24728 (15021508)	66.53737 (17010724)	
3605847.5	44.43455 (16120208)	54.66010 (16120208)	47.25397
(16010908)	76.33380 (15021508)	71.40034 (15121303)	
3605597.5	36.60593 (17020202)	50.32959 (16120208)	57.12778
(16120208)	66.53483 (15122808)	95.19272 (15021508)	
3605347.5	42.80176 (15121803)	46.90009 (17020108)	56.13476
(16120208)	61.70593 (15121708)	61.46180 (17021308)	
3605097.5	50.97836 (17020308)	55.39816 (15120308)	67.86557
(17020108)	77.42426 (16120208)	83.73993 (15121708)	
3604847.5	48.45333 (16020408)	65.87940 (16012908)	75.94890
(15021008)	101.41851 (17020108)	124.32152 (16120208)	
3604597.5	48.94557 (17121424)	60.86903 (15121608)	75.58738
(16020408)	112.44061 (17020308)	148.95316 (17020108)	
3604347.5	50.22436 (16122808)	57.40337 (17012508)	74.01502
(17012508)	98.66682 (15012401)	136.17946 (16020408)	
3604097.5	48.62327 (16011421)	60.99882 (16011421)	78.47533
(17020524)	95.05700 (15020702)	138.77130 (16122808)	
3603847.5	52.07700 (17122608)	63.41533 (17122608)	78.54418
(17122608)	103.80779 (17122608)	145.91776 (17122608)	
3603597.5	52.32660 (17122908)	60.29120 (16010308)	74.21426
(17011719)	90.74408 (16021602)	122.39409 (16011702)	
3603347.5	49.92203 (16012803)	56.94015 (17120906)	72.14602
(16021406)	94.81782 (17122824)	111.74741 (17121308)	
3603097.5	48.54827 (17121720)	57.10199 (17010708)	66.86854
(17121308)	72.55561 (16021107)	61.77573 (15121422)	
3602847.5	48.17464 (17121308)	58.84675 (15092707)	42.36809
(15092707)	44.88017 (17012504)	49.06157 (15013101)	
3602597.5	42.90345 (15092707)	30.71017 (16011206)	35.38135
(17021905)	36.84731 (17121505)	41.66673 (16122704)	
3602347.5	24.09528 (15022607)	27.12798 (17021905)	29.45426
(17121505)	31.81703 (16021923)	34.74759 (17011624)	
3602097.5	21.44067 (16121224)	23.55053 (17121505)	25.39267
(17010801)	27.57038 (17012722)	32.15161 (17022103)	
3601847.5	19.37977 (17121505)	21.27287 (17010801)	22.08409
(16011202)	26.96705 (17040807)	27.95420 (15021805)	
3601597.5	17.55704 (16121724)	19.01506 (16122704)	20.02048
(17011624)	22.92645 (16011119)	34.88118 (17020408)	
3601347.5	16.03487 (16022007)	17.19083 (16120304)	24.04212
(17040807)	22.75194 (15041007)	41.63695 (17020408)	
3601097.5	14.94881 (17012722)	19.17019 (17040807)	18.58636
(17040807)	25.03587 (17020408)	42.23487 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP10 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP10 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS) | 507868.86 508118.86 X-COORD (METERS) | 508368.86
 508618.86 508868.86

3606097.5	38.68743 (17070706)	41.50498 (15022002)	21.66056
(17022408)	13.52437 (16112208)	37.85457 (17032607)	
3605847.5	80.80452 (17021508)	98.89075 (16120908)	51.98546
(17022408)	35.53735 (15111919)	87.41415 (17032607)	
3605597.5	82.16328 (17021508)	55.52948 (16021807)	57.89995
(16120106)	65.09309 (15010907)	96.86482 (17020819)	
3605347.5	59.76010 (15021508)	64.44151 (17021508)	72.39158
(17022408)	34.50510 (16112208)	122.67295 (17120924)	
3605097.5	98.35597 (15021508)	141.24416 (16012808)	40.58442
(17022408)	27.93361 (16112208)	39.23624 (17032607)	
3604847.5	184.20300 (17021107)	169.69882 (15121303)	81.21921
(17022408)	38.61797 (16112208)	23.00340 (17032607)	
3604597.5	184.46103 (15120408)	168.74848 (15021508)	65.43279
(15013009)	73.26855 (17032607)	35.48368 (16111708)	
3604347.5	205.40761 (15021008)	292.07826 (15120408)	252.62424
(17102907)	215.94323 (17032607)	60.77918 (17022620)	
3604097.5	219.13230 (15011608)	386.52911 (16012908)	753.18660
(15121708)	978.73980 (15122908)	410.28098 (17120708)	
3603847.5	228.21709 (17122608)	383.99085 (17122608)	1056.22618
(17122608)	5086.63614 (15011320)	386.00214 (15061006)	
3603597.5	191.94555 (16021406)	288.00467 (17121308)	372.73655
(17010801)	414.30078 (16021308)	204.16712 (16013009)	
3603347.5	103.17895 (16021107)	131.21976 (15120324)	212.37974
(16012324)	308.62643 (15021621)	105.25912 (16022919)	
3603097.5	74.82029 (16020219)	95.78148 (17022103)	122.37246
(15012823)	183.71570 (16022219)	167.05752 (15011507)	
3602847.5	58.91838 (17012722)	74.76945 (16021904)	81.92538
(17122619)	100.50047 (17122205)	96.64646 (16022321)	
3602597.5	51.40862 (17022103)	79.54752 (17020408)	61.88527
(16010118)	73.25386 (17122205)	70.56830 (17123106)	
3602347.5	41.95745 (15021805)	64.42458 (17020408)	47.73716
(17122005)	57.26441 (17121519)	55.92663 (16121418)	
3602097.5	51.70200 (17020408)	43.15671 (17020408)	38.34874
(16122020)	45.92103 (15121123)	45.16514 (17121306)	
3601847.5	54.47703 (17020408)	30.68117 (17122619)	31.95051
(16022802)	38.18430 (15121123)	37.45693 (15021622)	
3601597.5	47.16661 (17020408)	26.53787 (17122619)	27.06534
(16012923)	32.50071 (15121123)	32.63397 (16112308)	
3601347.5	36.59468 (17020408)	22.96076 (15022601)	23.58743
(16012923)	28.09244 (15121123)	30.35914 (16112308)	
3601097.5	25.92194 (17020408)	20.63715 (16010118)	21.08256
(17010402)	24.71402 (15121123)	27.45702 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP10 ***

INCLUDING SOURCE(S): TP10 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS) | 509118.86 509368.86 X-COORD (METERS) | 509618.86
 509868.86 510118.86

3606097.5	19.24750 (17032607)	13.41304 (15121322)	10.32658
(16111708)	7.77218 (17020109)	5.82311 (17020109)	
3605847.5	12.56102 (17032607)	64.69565 (15033023)	16.39453
(16083007)	7.50498 (17020109)	8.39983 (16092207)	
3605597.5	68.74180 (15021924)	63.76880 (17060105)	35.49794
(15092321)	17.92348 (15022123)	10.46088 (17121809)	
3605347.5	96.86386 (15033023)	83.86626 (16120518)	85.31477
(17022521)	19.50174 (16092207)	10.37064 (17121809)	
3605097.5	25.86988 (16083007)	11.18456 (17020109)	24.07479
(16092207)	50.30375 (17090523)	12.91096 (15110508)	
3604847.5	18.91227 (16111708)	16.52407 (16092207)	13.87408
(17121809)	11.70346 (15022724)	14.72064 (15022818)	
3604597.5	22.16336 (16092207)	16.91150 (17121809)	11.95734
(15082707)	14.02352 (17032608)	20.82581 (17032608)	
3604347.5	38.21396 (17012305)	34.25593 (15022818)	41.56771
(17032608)	50.83329 (16040707)	42.64585 (16040707)	
3604097.5	134.95052 (16040707)	73.82927 (16040707)	27.63922
(16040707)	19.02656 (17082707)	17.51527 (16090707)	
3603847.5	163.75185 (15061006)	84.06887 (15021202)	35.70564
(17030408)	24.95869 (17030408)	20.96726 (15062407)	
3603597.5	97.60098 (15022408)	47.60970 (17122117)	38.17271
(17010520)	30.19666 (15020117)	21.89045 (15061907)	
3603347.5	98.63238 (16013009)	64.86220 (16040807)	142.32419
(16100807)	40.37792 (15022408)	80.90438 (17040401)	
3603097.5	54.38604 (17020419)	148.11001 (16121120)	123.35581
(17022804)	145.14188 (17011308)	140.13217 (16121122)	
3602847.5	143.03258 (17120621)	96.76669 (16121022)	81.97371
(16121120)	93.47276 (16122817)	74.28601 (17121101)	
3602597.5	69.82153 (16121220)	85.93337 (15020908)	70.88006
(16010421)	67.06525 (16121120)	67.24547 (15013018)	
3602347.5	53.35828 (17010624)	56.74617 (17120621)	68.77600
(17021408)	53.92813 (16010421)	50.78507 (17122518)	
3602097.5	43.47715 (15021419)	41.29041 (17010406)	53.68860
(17120621)	50.25377 (17021408)	84.66761 (15011201)	
3601847.5	37.09691 (15011921)	37.43881 (15022808)	35.33743
(16121008)	44.79951 (15020908)	40.90793 (16121022)	
3601597.5	31.72487 (16122021)	38.01065 (15022808)	28.53564
(17010406)	36.66454 (17120621)	38.28120 (17021408)	
3601347.5	28.14490 (17031208)	29.44144 (15022808)	25.16336
(16121220)	25.47772 (16121008)	32.49100 (15020908)	
3601097.5	24.43787 (16121418)	23.96225 (17011319)	30.20788
(15022808)	21.61293 (16092807)	26.75979 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP10 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP10 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 510368.86 510618.86 X-COORD (METERS) 510868.86

511118.86

3606097.5	8.00905 (16092207)	8.78676 (17121809)	7.64395
(17121809)	5.92240 (17032908)		
3605847.5	9.55833 (17121809)	8.36497 (17121809)	6.54971
(17032908)	6.51851 (15082707)		
3605597.5	9.25081 (17121809)	7.27705 (17032908)	7.03869
(15082707)	5.17447 (15082707)		
3605347.5	8.11350 (17032908)	7.37265 (15082707)	4.57308
(15082707)	6.05998 (17122309)		
3605097.5	7.30605 (15082707)	6.20211 (17122309)	9.86490
(17122309)	11.69036 (17122309)		
3604847.5	13.49750 (16082307)	13.85797 (17122309)	21.74224
(16040707)	29.48575 (16040707)		
3604597.5	32.80124 (16040707)	37.94497 (16040707)	31.49951
(16040707)	21.15973 (16040707)		
3604347.5	24.80434 (16040707)	11.94847 (16040707)	11.36327
(17082707)	11.39514 (17082707)		
3604097.5	17.16900 (16090707)	16.03078 (16090707)	14.58240
(16090707)	13.07994 (16090707)		
3603847.5	18.77558 (15062407)	17.04752 (15062407)	15.64425
(15062407)	14.47826 (15062407)		
3603597.5	21.11617 (15061907)	16.59751 (15061907)	13.48814
(17042907)	11.91450 (17042907)		
3603347.5	37.03059 (15091922)	13.63351 (17082908)	8.51524
(17122709)	6.68030 (15061907)		
3603097.5	38.52512 (15022408)	21.27435 (15022408)	11.54669
(17122709)	10.80950 (17122709)		
3602847.5	104.63803 (15121020)	38.61164 (16040807)	34.10125
(15022408)	24.01353 (15022408)		
3602597.5	66.90915 (15031607)	29.75985 (16040807)	40.29928
(16040807)	32.77114 (16040807)		
3602347.5	55.68359 (15013018)	69.59425 (17010220)	36.47397
(16071324)	59.18867 (16040807)		
3602097.5	91.44768 (17040307)	38.59998 (17122124)	38.97528
(16121203)	36.18342 (17022804)		
3601847.5	68.62051 (16010601)	33.87528 (17122518)	31.01571
(17122124)	29.97582 (16122817)		
3601597.5	35.20660 (16121022)	30.50249 (17011224)	30.14192
(17122518)	25.56769 (17122124)		
3601347.5	31.98324 (17021408)	24.79811 (16121022)	25.85420
(17011224)	24.83159 (17122518)		
3601097.5	28.07023 (15020908)	25.56768 (17021408)	22.08879
(16010421)	23.49049 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP10 ***

INCLUDING SOURCE(S): TP10 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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

508226.78 3603955.63 536.59496 (17012508)

507708.67 3603932.32 159.83409 (17011708)

506203.59 3603369.23 37.96363 (15012720)

507919.87 3604794.52 171.92045 (15122808)

507037.89 3604916.08 69.99211 (15021008)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP11 ***

INCLUDING SOURCE(S): TP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

Y-COORD (METERS) | 504118.86 504368.86 X-COORD (METERS) 504618.86

504868.86 505118.86

3606097.5	13.44599 (16020408)	14.16488 (15011008)	16.89320
(16012908)	19.67982 (16012908)	20.38606 (17020308)	
3605847.5	16.76053 (15040607)	15.92044 (15040607)	16.12496
(16020408)	17.88832 (15011008)	22.26113 (16012908)	
3605597.5	16.19733 (15040607)	18.52680 (15040607)	20.45891
(15040607)	20.24214 (15040607)	21.26375 (16020408)	
3605347.5	15.73473 (17012508)	15.82738 (15011608)	17.24468
(15040607)	19.96202 (15040607)	24.02389 (15040607)	
3605097.5	16.35061 (16122808)	16.97782 (15011519)	19.03238
(17012508)	19.28527 (17012508)	20.73562 (15011608)	
3604847.5	21.95362 (15040307)	23.06215 (15040307)	22.31569
(15040307)	20.61664 (16122808)	23.43882 (16122808)	
3604597.5	18.88611 (17092707)	20.01501 (17092707)	20.75727
(17092707)	23.54523 (15040307)	28.62356 (15040307)	
3604347.5	20.12777 (16040507)	20.61579 (16040507)	21.14630
(16040507)	21.50773 (16040507)	24.42672 (16011421)	
3604097.5	16.46089 (17011708)	18.62964 (17011708)	20.18629
(17011708)	22.32700 (17011708)	25.04014 (17011708)	
3603847.5	19.85381 (17021608)	21.20341 (17021608)	23.24108
(17021608)	24.39707 (17021608)	26.63733 (17021608)	
3603597.5	15.12363 (17021608)	16.28716 (15021102)	18.50386
(15021102)	20.51773 (15021102)	22.16585 (15021102)	
3603347.5	15.29029 (17122908)	16.90418 (17122908)	18.63402
(17122908)	19.98642 (17122908)	21.94869 (16010308)	

Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 14.71595 (17011719) 15.97504 (17011719) 17.40553
(15012720) 19.87439 (16021602) 21.15898 (16021602)
3602847.5 | 14.20524 (16021602) 15.41467 (16012803) 17.23224
(16012803) 18.71301 (16011702) 20.54611 (17120906)
3602597.5 | 14.25987 (17120906) 15.38397 (15011506) 19.00647
(15092907) 23.34180 (15092907) 25.95491 (15092907)
3602347.5 | 19.30390 (15092907) 21.52322 (15092907) 21.78357
(15092907) 19.50745 (15092907) 21.48336 (17092807)
3602097.5 | 18.11078 (15092907) 15.36463 (15092907) 19.79628
(17092807) 23.99590 (17092807) 24.72610 (17092807)
3601847.5 | 18.34329 (17092807) 21.48363 (17092807) 21.56896
(17092807) 26.81752 (15092707) 30.65734 (15092707)
3601597.5 | 19.50927 (17092807) 23.23271 (15092707) 26.83773
(15092707) 26.10040 (15092707) 20.34467 (15092707)
3601347.5 | 24.08670 (15092707) 24.52437 (15092707) 20.95638
(15092707) 14.49520 (15092707) 10.91448 (17122105)
3601097.5 | 20.93691 (15092707) 16.07361 (15092707) 10.13170
(15092707) 9.81863 (15022607) 10.59090 (15121422)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP11 ***
INCLUDING SOURCE(S): TP11 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) |
506118.86 | 505368.86 505618.86 505868.86
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3606097.5 | 27.98785 (17040507) 28.83172 (17040507) 27.37133
(17020108) 26.79274 (16121408) 39.13790 (16120208)
3605847.5 | 25.21097 (17020308) 27.53063 (17040507) 33.57658
(17040507) 30.69904 (17020108) 31.04260 (16121408)
3605597.5 | 23.42121 (15011008) 29.34587 (16012908) 32.20312
(17020308) 37.82284 (17040507) 34.62274 (17020108)
3605347.5 | 24.44808 (15121608) 26.95687 (16020408) 31.37822
(16011506) 38.58423 (17020308) 40.00992 (15021008)
3605097.5 | 22.81669 (15040607) 28.81326 (15040607) 31.78957
(15121608) 35.56228 (16020408) 42.98744 (16012908)
3604847.5 | 23.82960 (17012508) 26.60355 (17012508) 31.26275
(15011608) 34.54280 (17012703) 42.27036 (15121608)
3604597.5 | 28.16960 (15040307) 28.86884 (15040307) 31.19290
(16122808) 34.79188 (17012508) 42.21773 (17012508)
3604347.5 | 27.80681 (15122708) 31.53575 (17020524) 34.26692
(17020524) 34.55021 (16020401) 41.48150 (17013020)
3604097.5 | 28.35169 (17011708) 34.25530 (17011708) 37.45258
(17011708) 36.59523 (16120722) 41.00791 (16120722)
3603847.5 | 30.66842 (17122608) 33.72798 (17122608) 35.77479
(17122608) 41.19380 (17122608) 46.52463 (17122608)
3603597.5 | 25.29508 (16012807) 27.72921 (16012807) 30.67814
(15011603) 36.42160 (17122908) 46.24217 (17122908)
3603347.5 | 24.04089 (17021402) 27.09695 (17011719) 30.63411
(15012720) 36.52077 (16021602) 41.99537 (16021602)

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3603097.5 | 22.67079 (16012803) 26.53755 (16011702) 29.80660
(17120906) 35.63243 (15011506) 42.10051 (16021406)
3602847.5 | 22.46059 (15092907) 29.35084 (15092907) 32.15479
(15092907) 34.22554 (17122824) 41.11942 (17121308)
3602597.5 | 25.40402 (15092907) 25.50001 (17010708) 32.25017
(17092807) 37.11820 (15092707) 50.24599 (15092707)
3602347.5 | 27.99673 (17092807) 29.46497 (15092707) 39.63918
(15092707) 39.79926 (15092707) 25.82041 (15092707)
3602097.5 | 32.06270 (15092707) 34.76501 (15092707) 28.53568
(15092707) 18.33723 (17122302) 20.04800 (15121422)
3601847.5 | 27.58072 (15092707) 18.91377 (15092707) 15.40208
(15022607) 16.96178 (15121422) 18.20183 (16020405)
3601597.5 | 12.47571 (17122302) 13.11871 (15012201) 14.45117
(17012504) 15.68322 (16020405) 16.41201 (17121505)
3601347.5 | 11.62219 (15012201) 12.51299 (17012504) 13.50789
(16020405) 14.16006 (17121505) 15.06791 (16121724)
3601097.5 | 11.29105 (17021905) 11.94041 (16020405) 12.64675
(17121505) 13.43387 (15120324) 13.98188 (16022007)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP11 ***
INCLUDING SOURCE(S): TP11 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

```

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

Y-COORD | X-COORD (METERS)
(METERS) |
507368.86 | 506618.86 506868.86 507118.86
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3606097.5 | 49.75479 (16120208) 36.43278 (15121708) 55.29311
(17021308) 74.02369 (15021508) 68.37369 (17010724)
3605847.5 | 44.28890 (16120208) 55.60104 (16120208) 48.17513
(16010908) 77.27174 (15120107) 72.34277 (15121303)
3605597.5 | 37.18752 (17020108) 50.19454 (16120208) 58.32220
(16120208) 86.30592 (17011603) 95.98740 (15021508)
3605347.5 | 43.32988 (16011607) 47.90001 (17020108) 56.00142
(16120208) 62.28947 (15121708) 62.04376 (17022201)
3605097.5 | 52.23865 (17020308) 56.70021 (15120308) 69.83290
(17020108) 77.68375 (16120208) 85.79665 (15121708)
3604847.5 | 49.40757 (16020408) 66.81888 (16012908) 77.44612
(15021008) 104.16193 (17020108) 126.75479 (16120208)
3604597.5 | 50.48767 (15011608) 61.19662 (15121608) 77.76706
(16020408) 115.85856 (17020308) 150.31564 (17020108)
3604347.5 | 50.28160 (16122808) 59.01315 (16122808) 76.56499
(17012508) 101.69807 (17012703) 142.49847 (16020408)
3604097.5 | 48.45485 (16011421) 62.30715 (16011421) 79.66063
(17020524) 96.92085 (16020401) 141.26400 (16122808)
3603847.5 | 52.36434 (17122608) 63.87190 (17122608) 79.07338
(17122608) 105.02365 (17122608) 148.53383 (17122608)
3603597.5 | 52.69485 (17122908) 60.60480 (16010308) 75.60814
(17011719) 92.19791 (16021602) 125.36710 (17120906)
3603347.5 | 50.85917 (16011702) 57.61529 (15011506) 72.96163
(16021406) 97.59568 (17010708) 109.68565 (16122619)

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Otay Hills Quarry AERMOD Output File (HRA)

3603097.5	48.99844 (17121720)	57.91080 (17010708)	65.69203
(16122619)	69.54212 (16021107)	62.75882 (15121422)	
3602847.5	48.82438 (15092707)	58.54581 (15092707)	40.36797
(17122302)	45.17286 (17012504)	49.39253 (15013101)	
3602597.5	40.80096 (15092707)	30.84919 (15022607)	35.63808
(17021905)	37.10378 (15013101)	41.69848 (16122704)	
3602347.5	24.27602 (15012201)	27.26271 (16121224)	29.42231
(15013101)	31.92836 (17022221)	34.34276 (17022222)	
3602097.5	21.52305 (16121224)	23.32435 (17121505)	25.27109
(17010801)	27.66620 (16120304)	32.13297 (16011119)	
3601847.5	19.23125 (17121505)	21.40656 (17010801)	22.26620
(17012722)	27.63078 (17040807)	27.98644 (15021805)	
3601597.5	17.67704 (17010801)	19.04630 (16122704)	19.95783
(17011624)	22.89086 (16011119)	36.62934 (17020408)	
3601347.5	16.10804 (16122704)	17.24345 (16120304)	24.09483
(17040807)	23.18608 (15041007)	42.52807 (17020408)	
3601097.5	15.02431 (17012722)	19.97635 (17040807)	17.92794
(16011119)	26.43350 (17020408)	42.24535 (17020408)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP11 ***
 INCLUDING SOURCE(S): TP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	36.21301 (17070706)	41.32425 (17022408)	21.21268
(17022408)	13.21807 (16112208)	38.86344 (17032607)	
3605847.5	81.04106 (17021508)	101.53524 (16120908)	51.20113
(17022408)	33.12508 (15111919)	88.43736 (17032607)	
3605597.5	83.22955 (17021508)	56.05319 (16021807)	58.84127
(16120106)	65.96423 (15010907)	94.52200 (17032607)	
3605347.5	60.49941 (15021508)	64.44322 (17021508)	72.61825
(17022408)	34.35924 (16091507)	119.79071 (17120924)	
3605097.5	100.41086 (15021508)	132.60874 (16012808)	41.33778
(17022408)	26.95141 (16112208)	35.54331 (17032607)	
3604847.5	180.26926 (17021401)	165.28331 (15121303)	84.70323
(17022408)	42.11115 (17032607)	18.99277 (17032607)	
3604597.5	188.24507 (15120408)	170.93679 (15021508)	67.04668
(15013009)	85.04774 (17032607)	39.06898 (16111708)	
3604347.5	216.31752 (15021008)	312.01779 (15120408)	236.37321
(17102907)	219.07234 (17032607)	59.77930 (15022723)	
3604097.5	231.59662 (17012508)	392.15031 (16012908)	832.16769
(15121708)	1017.28565 (16122307)	391.55229 (17120708)	
3603847.5	234.64790 (17122608)	391.38239 (17122608)	1082.36634
(17122608)	4928.43898 (17022601)	343.71237 (15012017)	
3603597.5	196.09796 (17121720)	288.46532 (16021107)	367.83329
(16122704)	370.45538 (16021308)	212.79698 (16013009)	
3603347.5	101.19201 (16011206)	129.36455 (17010801)	211.97932
(15022505)	303.74786 (15021621)	97.73682 (16022919)	

3603097.5	75.52075 (15120324)	97.89663 (17022103)	122.41773
(15012823)	181.82184 (16022219)	164.85637 (16121220)	
3602847.5	58.63342 (16120304)	74.25803 (16021904)	80.06098
(16011319)	98.53492 (17122205)	95.29326 (16022321)	
3602597.5	51.29639 (17022103)	80.22250 (17020408)	61.30416
(16010118)	72.50132 (17122205)	69.67750 (16122021)	
3602347.5	41.67605 (15021805)	62.12298 (17020408)	47.56873
(16122020)	56.58858 (17121519)	55.11392 (15020321)	
3602097.5	53.67117 (17020408)	40.53116 (17020408)	37.98952
(16022802)	45.44630 (17121519)	44.73304 (17121306)	
3601847.5	54.59509 (17020408)	30.69096 (17122619)	31.63660
(16012923)	37.64804 (15121123)	37.19367 (15021622)	
3601597.5	46.12065 (17020408)	26.32970 (16011319)	26.90490
(16012923)	32.14308 (15121123)	32.44561 (16112308)	
3601347.5	35.17364 (17020408)	22.90720 (15022601)	23.51152
(17010402)	27.84690 (15121123)	30.34805 (16112308)	
3601097.5	24.60477 (17020408)	20.62744 (16010118)	21.04184
(17010402)	24.55525 (15121123)	27.55818 (16112308)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** *** 05/16/19 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP11 ***
 INCLUDING SOURCE(S): TP11 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	17.70954 (17032607)	12.85001 (15121322)	10.33898
(16111708)	7.78592 (17020109)	5.62891 (17020109)	
3605847.5	12.14960 (15021124)	64.44241 (15122821)	15.95515
(16083007)	7.33563 (17020109)	8.63118 (16092207)	
3605597.5	67.09947 (15021924)	61.24597 (17060105)	31.06737
(16101307)	17.68947 (16092207)	10.63237 (17121809)	
3605347.5	91.33122 (15033023)	77.94103 (17032207)	81.74861
(17022521)	18.60611 (16092207)	10.04527 (17121809)	
3605097.5	26.38149 (16083007)	12.06665 (15022224)	23.41644
(16092207)	49.00201 (17090523)	13.28925 (15110508)	
3604847.5	17.43820 (16111708)	16.70837 (16092207)	13.28341
(17121809)	11.93758 (15022724)	15.40184 (15022818)	
3604597.5	24.34585 (16092207)	15.99817 (17121809)	11.36245
(15082707)	16.37140 (17032608)	21.25812 (17032608)	
3604347.5	34.35458 (15082707)	32.86598 (15022818)	41.95715
(17032608)	52.36650 (16040707)	39.69200 (16040707)	
3604097.5	163.72967 (16040707)	65.37802 (16040707)	24.81736
(17032307)	19.24337 (17082707)	18.34406 (16090707)	
3603847.5	161.61055 (15012017)	85.21643 (15012017)	33.60809
(17030408)	24.27917 (15062407)	21.32674 (15062407)	
3603597.5	100.93915 (16040807)	47.87652 (15122117)	38.40484
(17122709)	29.90974 (15020117)	20.63096 (15061907)	
3603347.5	90.70157 (16013009)	58.90658 (16040807)	131.91704
(16100807)	43.13718 (15022408)	76.13851 (15012119)	

Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 52.12873 (17020419) 213.29206 (17040307) 121.83033
(17022804) 144.58519 (17011308) 137.52568 (16121122)
3602847.5 | 172.58166 (17120621) 95.98594 (16121022) 82.01613
(17122518) 92.51622 (16122817) 73.30165 (17121101)
3602597.5 | 69.32382 (16121220) 84.65434 (15020908) 70.12783
(16010421) 67.86895 (17122518) 67.33951 (15013018)
3602347.5 | 52.77529 (17010624) 56.08696 (17120621) 68.40985
(17021408) 53.56141 (16010421) 51.25231 (17122518)
3602097.5 | 43.08974 (15021419) 41.08074 (17010406) 53.39971
(17120621) 50.24860 (17021408) 84.43864 (15011201)
3601847.5 | 36.77498 (17011319) 37.14441 (15022808) 35.21289
(16121008) 44.48172 (15020908) 40.89542 (16121022)
3601597.5 | 31.56784 (16122021) 38.03395 (15022808) 28.39589
(17010406) 36.40208 (17120621) 38.03562 (17021408)
3601347.5 | 28.21998 (17031208) 29.72845 (15022808) 25.00202
(16121220) 25.40046 (16121008) 32.31471 (15020908)
3601097.5 | 24.29079 (16121418) 23.85326 (17011319) 30.08177
(15022808) 21.61728 (16092807) 26.63369 (17120621)

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Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP11 ***
INCLUDING SOURCE(S): TP11 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) | 510368.86 510618.86 510868.86
511118.86

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3606097.5 | 8.06715 (16092207) 8.84841 (17121809) 7.46116
(17121809) 6.00093 (17032908)
3605847.5 | 9.66253 (17121809) 8.14922 (17121809) 6.61423
(17032908) 6.52656 (15082707)
3605597.5 | 8.99003 (17121809) 7.31376 (17032908) 6.96274
(15082707) 4.92241 (15082707)
3605347.5 | 8.09771 (17032908) 7.17035 (15082707) 4.25335
(15082707) 6.53404 (17122309)
3605097.5 | 6.93157 (15082707) 6.82213 (17122309) 10.37746
(17122309) 11.86365 (17122309)
3604847.5 | 13.97036 (17032608) 14.05412 (17122309) 23.82530
(16040707) 30.51373 (16040707)
3604597.5 | 35.33256 (16040707) 37.92988 (16040707) 29.80860
(16040707) 19.22279 (16040707)
3604347.5 | 21.62394 (16040707) 11.19546 (17082707) 11.71586
(17082707) 11.54408 (17082707)
3604097.5 | 17.44483 (16090707) 15.95775 (16090707) 14.30796
(16090707) 12.70015 (16090707)
3603847.5 | 19.08798 (15062407) 17.32295 (15062407) 15.88997
(15062407) 14.69965 (15062407)
3603597.5 | 20.56082 (15061907) 16.46586 (15061907) 13.46629
(15061907) 11.46414 (17042907)
3603347.5 | 34.80551 (15091922) 13.49274 (17082908) 8.84280
(17122709) 6.70726 (17122709)

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3603097.5 | 39.45682 (15022408) 22.98028 (15022408) 11.40234
(17122709) 10.82407 (17122709)
3602847.5 | 97.26313 (15121020) 39.73914 (16040807) 34.28310
(15022408) 25.11336 (15022408)
3602597.5 | 63.31898 (16010101) 28.18330 (16040807) 39.81892
(16040807) 33.60377 (16040807)
3602347.5 | 54.95296 (15013018) 68.73208 (17010220) 35.35676
(16071324) 56.99711 (16040807)
3602097.5 | 89.42339 (17040307) 38.87455 (17122124) 38.97737
(16121203) 36.36793 (17022804)
3601847.5 | 69.39682 (16010601) 34.08564 (17122518) 31.02353
(17122124) 30.00607 (16122817)
3601597.5 | 35.38875 (16121022) 30.36870 (16010601) 30.34790
(17122518) 25.43438 (17122124)
3601347.5 | 31.91162 (17021408) 24.77532 (16121022) 25.71041
(17011224) 24.95155 (17122518)
3601097.5 | 27.87946 (15020908) 25.59826 (17021408) 21.85293
(16010421) 23.47195 (17011224)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP11 ***
INCLUDING SOURCE(S): TP11 ,
*** DISCRETE CARTESIAN RECEPTOR

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POINTS ***

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

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

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508226.78 3603955.63 564.24588 (16122808)
507708.67 3603932.32 170.00406 (17011708)
506203.59 3603369.23 38.39063 (16021602)
507919.87 3604794.52 163.44185 (15122808)
507037.89 3604916.08 71.55412 (15021008)

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP12 ***
INCLUDING SOURCE(S): TP12 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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

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Y-COORD | X-COORD (METERS)

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Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	504118.86	504368.86	504618.86
504868.86	505118.86		
3606097.5	13.46276 (16020408)	14.12006 (15011008)	16.76350
(16012908)	19.78064 (16012908)	20.61144 (17020308)	
3605847.5	16.88706 (15040607)	16.15022 (15040607)	16.15096
(16020408)	17.85781 (15011008)	22.16265 (16012908)	
3605597.5	16.07615 (15040607)	18.50804 (15040607)	20.58794
(15040607)	20.53578 (15040607)	21.31335 (15010408)	
3605347.5	15.84025 (17012508)	15.80280 (15011608)	17.03984
(15040607)	19.87446 (15040607)	24.12830 (15040607)	
3605097.5	16.58296 (16021108)	17.09609 (15011519)	18.99494
(17012508)	19.43191 (17012508)	20.75737 (15011608)	
3604847.5	21.84834 (15040307)	23.16892 (15040307)	22.66357
(15040307)	21.07107 (15040307)	23.73057 (16122808)	
3604597.5	18.76650 (17092707)	20.03191 (17092707)	20.94985
(17092707)	23.01803 (15040307)	28.29579 (15040307)	
3604347.5	20.21845 (16040507)	20.81724 (16040507)	21.48421
(16040507)	22.00997 (16040507)	24.50647 (16011421)	
3604097.5	16.33941 (17011708)	18.52456 (17011708)	20.11248
(17011708)	22.29914 (17011708)	25.08228 (17011708)	
3603847.5	20.15467 (17021608)	21.52889 (17021608)	23.60297
(17021608)	24.78098 (17021608)	27.06176 (17021608)	
3603597.5	14.99091 (15021102)	16.38862 (15021102)	18.57185
(15021102)	20.52931 (15021102)	22.12897 (16012807)	
3603347.5	15.37106 (17122908)	16.92794 (17122908)	18.57504
(17122908)	20.02597 (16010308)	21.86126 (16010308)	
3603097.5	14.76991 (17011719)	15.93174 (17011719)	17.42927
(15012720)	19.96917 (16021602)	21.04619 (16021602)	
3602847.5	14.08118 (16021602)	15.49654 (16012803)	17.31577
(16011702)	18.79356 (17120906)	20.51285 (15011506)	
3602597.5	14.28650 (17120906)	15.43097 (15011506)	19.61097
(15092907)	23.71665 (15092907)	25.89234 (15092907)	
3602347.5	19.61248 (15092907)	21.56641 (15092907)	21.47834
(15092907)	18.87534 (15092907)	22.21298 (17092807)	
3602097.5	17.71573 (15092907)	14.78670 (15092907)	20.32746
(17092807)	24.15036 (17092807)	24.67989 (15092707)	
3601847.5	18.74132 (17092807)	21.57939 (17092807)	21.24644
(17092807)	27.26723 (15092707)	30.51876 (15092707)	
3601597.5	19.24625 (17092807)	23.67035 (15092707)	26.87061
(15092707)	25.61823 (15092707)	19.52299 (15092707)	
3601347.5	24.21500 (15092707)	24.25067 (15092707)	20.34116
(15092707)	13.78146 (15092707)	10.89106 (17122105)	
3601097.5	20.49423 (15092707)	15.46393 (15092707)	9.56556
(15092707)	9.82520 (15022607)	10.60241 (15121422)	

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP12
INCLUDING SOURCE(S): TP12 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		
3606097.5	27.84905 (17040507)	29.17065 (17040507)	27.45504
(17020108)	26.84542 (16121408)	38.88301 (16120208)	
3605847.5	25.29297 (17020308)	27.17175 (17040507)	33.78308
(17040507)	30.69420 (17020108)	31.05524 (16121408)	
3605597.5	23.43432 (15011008)	29.36091 (16012908)	32.56630
(17020308)	37.75850 (17040507)	34.45445 (17020108)	
3605347.5	24.53869 (15121608)	27.03445 (16020408)	31.22840
(16011506)	38.89592 (16012908)	40.16297 (17010508)	
3605097.5	22.60372 (15040607)	28.84918 (15040607)	31.84827
(15121608)	35.70406 (16020408)	42.57143 (16012908)	
3604847.5	23.73363 (17012508)	26.84271 (17012508)	31.43833
(15011608)	34.70751 (17012703)	42.20632 (15121608)	
3604597.5	28.21552 (15040307)	29.38412 (15040307)	31.41512
(16122808)	34.51394 (17012508)	42.68721 (17012508)	
3604347.5	27.77505 (16011421)	31.75585 (15122708)	34.49073
(17020524)	34.79963 (16020401)	41.41245 (17013020)	
3604097.5	28.50123 (17011708)	34.59166 (17011708)	38.02676
(17011708)	37.33838 (17011708)	41.24898 (16120722)	
3603847.5	30.65535 (17122608)	33.70666 (17122608)	35.73921
(17122608)	41.14041 (17122608)	46.44188 (17122608)	
3603597.5	25.43406 (16012807)	27.73284 (16012807)	30.95830
(17122908)	36.88681 (17122908)	46.43436 (17122908)	
3603347.5	24.02499 (17021402)	27.16655 (17011719)	30.75586
(15012720)	36.63219 (16021602)	42.22315 (16012803)	
3603097.5	22.84632 (16012803)	26.71769 (16011702)	29.89453
(17120906)	35.47123 (15011506)	41.99019 (16021406)	
3602847.5	23.29331 (15092907)	29.81054 (15092907)	31.81823
(15092907)	34.05675 (17010704)	41.81278 (17121308)	
3602597.5	24.79090 (15092907)	25.77213 (17010708)	32.68852
(17092807)	38.54415 (15092707)	50.23767 (15092707)	
3602347.5	28.25729 (17092807)	30.57232 (15092707)	39.97590
(15092707)	38.77243 (15092707)	24.12084 (15092707)	
3602097.5	32.49841 (15092707)	34.31558 (15092707)	27.29886
(15092707)	18.26193 (17122105)	20.05269 (15121422)	
3601847.5	26.79082 (15092707)	17.86123 (15092707)	15.41279
(15022607)	16.97792 (17012504)	18.24457 (16020405)	
3601597.5	12.42645 (17122302)	13.15928 (15012201)	14.42372
(17012504)	15.68226 (16020405)	16.23640 (17121505)	
3601347.5	11.65728 (15121422)	12.52019 (17021905)	13.48303
(16020405)	14.02864 (17121505)	15.04815 (16121724)	
3601097.5	11.28919 (17021905)	11.90242 (16020405)	12.54356
(17121505)	13.34593 (15120324)	14.00480 (16022007)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP12
INCLUDING SOURCE(S): TP12 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		
3606097.5	50.11546 (16120208)	36.77007 (15121708)	55.20892
(17021308)	74.41806 (15021508)	68.89354 (17010724)	
3605847.5	44.01050 (16120208)	56.14990 (16120208)	48.52406
(16010908)	78.19743 (15120107)	72.88143 (15121303)	
3605597.5	37.85108 (17020108)	49.89729 (16120208)	59.09806
(16120208)	87.05943 (17011603)	96.51686 (15021508)	
3605347.5	43.74855 (16011607)	48.67790 (17020108)	55.70246
(16120208)	62.67428 (15121708)	62.77678 (17022201)	
3605097.5	52.80565 (17020308)	57.19829 (15120308)	70.73925
(17020108)	77.37061 (16120208)	86.99185 (15121708)	
3604847.5	49.69197 (16020408)	66.76964 (16012908)	77.67342
(15021008)	104.94199 (17020108)	126.59172 (16120208)	
3604597.5	51.26429 (15011608)	60.70219 (15121608)	78.47524
(16020408)	116.71347 (17020308)	149.57250 (17020108)	
3604347.5	50.16135 (16011108)	60.13343 (16122808)	77.75321
(17012508)	102.95834 (17012703)	144.86229 (16020408)	
3604097.5	49.05515 (16120722)	62.57668 (16011421)	80.25506
(15122708)	97.99435 (16020401)	140.67970 (16122808)	
3603847.5	52.23850 (17122608)	63.66656 (17122608)	78.72639
(17122608)	104.35731 (17122608)	147.09303 (17122608)	
3603597.5	52.27691 (17122908)	59.99065 (16010308)	75.78535
(15012720)	91.52744 (16021602)	126.40621 (17120906)	
3603347.5	51.06228 (16011702)	57.76240 (15011506)	72.39623
(16121801)	98.87176 (17010708)	108.93752 (17020106)	
3603097.5	49.09664 (17122824)	57.58502 (17010708)	65.71178
(16122619)	66.10937 (16021107)	62.45104 (15121422)	
3602847.5	50.70991 (15092707)	57.58552 (15092707)	40.22542
(17122302)	45.02988 (17021905)	49.46482 (15120324)	
3602597.5	38.88080 (15092707)	30.87024 (15022607)	35.43880
(17021905)	37.09407 (15013101)	41.31410 (16122704)	
3602347.5	24.33369 (15121422)	27.25149 (16121224)	29.52225
(15013101)	31.86305 (17022221)	34.44230 (17010503)	
3602097.5	21.42293 (16121224)	23.44550 (15013101)	24.99229
(17010801)	27.55921 (16120304)	31.98684 (16011119)	
3601847.5	19.15700 (15013101)	21.35304 (17010801)	22.31680
(17012722)	27.88031 (17040807)	28.10023 (15041007)	
3601597.5	17.73743 (17010801)	18.95035 (16122704)	20.26817
(17040807)	22.74818 (16011119)	37.75501 (17020408)	
3601347.5	16.16622 (16122704)	17.18379 (16120304)	23.96171
(17040807)	23.39606 (15041007)	42.98349 (17020408)	
3601097.5	14.99800 (17012722)	20.45392 (17040807)	17.86532
(17022603)	27.36921 (17020408)	42.06940 (17020408)	

*** AERMOD - VERSION 18081 ***
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 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP12
 INCLUDING SOURCE(S): TP12 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
3606097.5	36.12203 (17070706)	42.08014 (17022408)	20.90992
(17022408)	12.99603 (16112208)	39.51066 (17032607)	
3605847.5	81.25778 (17021508)	101.69194 (16120908)	50.66364
(17022408)	33.08639 (15111919)	88.91328 (17032607)	
3605597.5	83.88868 (17021508)	56.30661 (16021807)	59.21504
(16120106)	66.57730 (15010907)	93.52519 (17032607)	
3605347.5	60.92819 (15021508)	64.78066 (15022206)	189.30227
(15092607)	35.92346 (16091507)	120.63024 (17120924)	
3605097.5	101.13736 (15021508)	133.04474 (16012808)	41.83291
(17022408)	27.96677 (17032607)	32.87592 (17032607)	
3604847.5	181.76642 (17021401)	166.70720 (17010208)	87.06946
(17022408)	46.39600 (17032607)	16.37242 (17032607)	
3604597.5	191.09838 (15120408)	172.12357 (15021508)	68.11576
(15013009)	93.87793 (17032607)	41.37378 (16111708)	
3604347.5	220.49676 (15021008)	322.10829 (15120408)	238.15945
(17102907)	236.87112 (17032607)	66.96901 (15022723)	
3604097.5	238.52487 (17012508)	381.16052 (16020408)	865.89472
(15121708)	1138.36440 (16120120)	344.51859 (17052405)	
3603847.5	230.76755 (17122608)	377.74233 (17122608)	1094.29947
(17122908)	4385.47990 (15121507)	333.71528 (16021806)	
3603597.5	196.62706 (17122824)	279.14286 (16021107)	359.46864
(17012722)	348.65381 (16021308)	207.90140 (16013009)	
3603347.5	100.96988 (15022607)	129.14023 (17010801)	207.19701
(16010102)	295.67169 (17122218)	94.57808 (16022919)	
3603097.5	75.13316 (15120324)	98.02155 (17022103)	120.46573
(15012823)	177.61286 (16022219)	161.79503 (16121220)	
3602847.5	58.39668 (16120304)	76.27410 (17020408)	78.94286
(15022601)	96.73293 (17122205)	93.88345 (16022321)	
3602597.5	50.88854 (16011119)	79.98754 (17020408)	60.64202
(17122005)	71.71548 (17122205)	68.85849 (16122021)	
3602347.5	41.75619 (17020408)	60.09625 (17020408)	47.19293
(16122020)	56.09600 (17122205)	54.61357 (15020321)	
3602097.5	54.78373 (17020408)	38.52712 (17020408)	37.72201
(16022802)	45.05101 (17121519)	44.32699 (17121306)	
3601847.5	54.37342 (17020408)	30.56799 (17122619)	31.49294
(16012923)	37.39034 (17121519)	36.93179 (15021622)	
3601597.5	45.15923 (17020408)	26.17808 (16011319)	26.69993
(16012923)	31.82397 (15121123)	32.21199 (16112308)	
3601347.5	34.03201 (17020408)	22.77528 (15022601)	23.42272
(17010402)	27.61621 (15121123)	30.24033 (16112308)	
3601097.5	23.60664 (17020408)	20.53544 (16010118)	20.92825
(17010402)	24.38582 (15121123)	27.54086 (16112308)	

*** AERMOD - VERSION 18081 ***
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 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP12
 INCLUDING SOURCE(S): TP12 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
3606097.5	16.63280 (17032607)	12.41790 (15121322)	10.31615
(16111708)	7.78530 (17020109)	5.48177 (17020109)	
3605847.5	12.07367 (16010705)	64.52663 (15122821)	15.60394
(16083007)	7.29152 (15022224)	8.76453 (16092207)	
3605597.5	67.29747 (15021924)	61.24017 (15052306)	32.65155
(16101307)	18.29821 (16092207)	10.73557 (17121809)	
3605347.5	89.72973 (15033023)	81.51539 (17032207)	80.69653
(17022521)	17.84143 (16092207)	9.77969 (17121809)	
3605097.5	26.64948 (16083007)	12.55071 (15022224)	22.72875
(16092207)	49.25919 (17090523)	13.51683 (15110508)	
3604847.5	16.25937 (16111708)	16.63065 (16092207)	12.79038
(17121809)	11.88276 (15022724)	15.67220 (15022818)	
3604597.5	25.61192 (16092207)	15.22580 (17121809)	10.82878
(15082707)	18.16905 (17032608)	22.56618 (16040707)	
3604347.5	36.33871 (15082707)	30.15513 (15022818)	41.46251
(17032608)	52.74342 (16040707)	37.11798 (16040707)	
3604097.5	180.51297 (16040707)	57.77687 (16040707)	25.50888
(17032307)	19.66798 (17091207)	18.83557 (16090707)	
3603847.5	150.51788 (15012017)	83.77101 (15012017)	31.70190
(17030408)	24.35285 (15062407)	21.43305 (15062407)	
3603597.5	106.13176 (16040807)	46.93510 (15122117)	39.25364
(17122709)	28.90041 (15020117)	20.66370 (15020117)	
3603347.5	84.25426 (16013009)	54.11463 (16040807)	133.75995
(16040807)	45.12367 (15022408)	76.90642 (15012119)	
3603097.5	50.68854 (17020419)	210.47153 (17040307)	122.04562
(16121203)	145.05247 (17011308)	136.07284 (16121122)	
3602847.5	169.50699 (17120621)	95.13164 (16121022)	82.05489
(17122518)	91.80170 (16122817)	71.89850 (17121101)	
3602597.5	68.53071 (16121220)	83.61028 (15020908)	69.08839
(16010421)	67.85330 (17122518)	66.83469 (15013018)	
3602347.5	52.21860 (17010624)	55.35561 (17120621)	67.82975
(17021408)	53.10235 (16010421)	51.22105 (17122518)	
3602097.5	42.72941 (15021419)	40.75025 (17010406)	52.98882
(17120621)	50.11802 (17021408)	83.55605 (15011201)	
3601847.5	36.53218 (17011319)	36.87795 (15022808)	34.96704
(16121008)	44.17472 (15020908)	40.62191 (16121022)	
3601597.5	31.36175 (16122021)	37.91925 (15022808)	28.21242
(17010406)	36.12146 (17120621)	37.76648 (17021408)	
3601347.5	28.17747 (17031208)	29.79004 (15022808)	24.84772
(16121220)	25.25249 (16121008)	32.06729 (15020908)	
3601097.5	24.22186 (17031208)	23.70621 (17011319)	29.94146
(15022808)	21.55338 (16092807)	26.44878 (17120621)	

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*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP12
INCLUDING SOURCE(S): TP12 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

(METERS)	510368.86	510618.86	510868.86
511118.86			
3606097.5	8.07744 (16092207)	8.87950 (17121809)	7.31531
(17121809)	6.05132 (17032908)		
3605847.5	9.72122 (17121809)	7.97596 (17121809)	6.65115
(17032908)	6.51615 (15082707)		
3605597.5	8.77903 (17121809)	7.32567 (17032908)	6.88548
(15082707)	4.72748 (15082707)		
3605347.5	8.07719 (15082707)	6.99621 (15082707)	4.01383
(15082707)	6.89821 (17122309)		
3605097.5	6.73429 (16042804)	7.30504 (17122309)	10.74666
(17122309)	11.95982 (17122309)		
3604847.5	15.06542 (17032608)	14.19371 (16040707)	25.37209
(16040707)	31.13524 (16040707)		
3604597.5	37.03129 (16040707)	37.60944 (16040707)	28.37907
(16040707)	17.75497 (16040707)		
3604347.5	19.27936 (16040707)	11.61828 (17082707)	11.94921
(17082707)	11.62245 (17082707)		
3604097.5	17.53182 (16090707)	15.80632 (16090707)	14.02851
(16090707)	12.36070 (16090707)		
3603847.5	19.20590 (15062407)	17.44313 (15062407)	16.00809
(15062407)	14.81372 (15062407)		
3603597.5	20.00829 (15061907)	16.27627 (15061907)	13.50074
(15061907)	11.08858 (15061907)		
3603347.5	34.73408 (15091922)	13.35595 (17082908)	9.09449
(17122709)	6.94893 (17122709)		
3603097.5	40.04062 (15022408)	24.33672 (15022408)	11.27415
(17122709)	10.82222 (17122709)		
3602847.5	93.40038 (15121020)	40.56269 (16040807)	34.32755
(15022408)	25.95460 (15022408)		
3602597.5	62.97750 (16010101)	26.91190 (16040807)	39.35784
(16040807)	34.22454 (16040807)		
3602347.5	54.20030 (15013018)	68.99443 (17010220)	35.08955
(16071324)	55.20842 (16040807)		
3602097.5	87.83247 (17040307)	38.79919 (17122124)	38.68096
(16121203)	36.32796 (17022804)		
3601847.5	69.00175 (16010601)	34.05162 (17122518)	30.86307
(17122124)	29.84386 (16122817)		
3601597.5	35.30155 (16121022)	30.25647 (16010601)	30.31655
(17122518)	25.24277 (17122124)		
3601347.5	31.79904 (17021408)	24.77236 (16121022)	25.54005
(17011224)	24.92402 (17122518)		
3601097.5	27.73898 (15020908)	25.58292 (17021408)	21.64770
(16010421)	23.35935 (17011224)		

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP12
INCLUDING SOURCE(S): TP12 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD
(M)	Y-COORD (M)	CONC	(YYMMDDHH)	
508226.78	3603955.63	589.68712	(16122808)	
507708.67	3603932.32	173.87495	(17011708)	
506203.59	3603369.23	38.56000	(16021602)	
507919.87	3604794.52	163.66289	(15122808)	
507037.89	3604916.08	71.96488	(15021008)	
*** AERMOD - VERSION 18081 ***				
Hills\Otay Hills.isc ***				
*** AERMET - VERSION 18081 ***				
*** 16:35:25				

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP13
INCLUDING SOURCE(S): TP13 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504868.86	504118.86
	504368.86
	504618.86

3606097.5	13.53961 (15010408)	14.07666 (15011008)	16.74201
(16120805)	19.85134 (16012908)	20.78598 (17020308)	
3605847.5	16.98188 (15040607)	16.33067 (15040607)	16.22981
(15010408)	17.81907 (15011008)	22.06277 (16012908)	
3605597.5	15.96942 (15040607)	18.48175 (15040607)	20.67943
(15040607)	20.76227 (15040607)	21.45908 (15010408)	
3605347.5	15.91111 (17012508)	15.76833 (15011608)	16.89233
(15011608)	19.78985 (15040607)	24.19336 (15040607)	
3605097.5	16.96956 (16021108)	17.17105 (15011519)	18.94250
(17012508)	19.53369 (17012508)	20.75256 (15011608)	
3604847.5	21.73106 (15040307)	23.21978 (15040307)	22.91312
(15040307)	21.52062 (15040307)	23.93485 (16122808)	
3604597.5	18.64138 (17092707)	20.01308 (17092707)	21.07087
(17092707)	22.55457 (15040307)	27.97198 (15040307)	
3604347.5	20.25892 (16040507)	20.94539 (16040507)	21.72131
(16040507)	22.38019 (16040507)	24.52453 (16011421)	
3604097.5	16.22024 (17011708)	18.41236 (17011708)	20.02163
(17011708)	22.23903 (17011708)	25.06958 (17011708)	
3603847.5	20.35814 (17021608)	21.74561 (17021608)	23.83908
(17021608)	25.02677 (17021608)	27.32624 (17021608)	
3603597.5	15.06908 (15021102)	16.44297 (15021102)	18.59112
(15021102)	20.49520 (15021102)	22.25187 (16012807)	
3603347.5	15.41515 (17122908)	16.92108 (17122908)	18.49586
(17122908)	20.02493 (16010308)	21.74753 (16010308)	
3603097.5	14.79102 (17011719)	15.94585 (15012720)	17.41727
(15012720)	20.00494 (16021602)	20.90961 (16021602)	
3602847.5	13.96003 (16021602)	15.53729 (16012803)	17.38859
(16011702)	18.88453 (17120906)	20.59933 (15011506)	
3602597.5	14.28593 (17120906)	15.44332 (15011506)	20.07220
(15092907)	23.97032 (15092907)	25.77895 (15092907)	
3602347.5	19.83086 (15092907)	21.56097 (15092907)	21.19208
(15092907)	18.33975 (15092907)	22.76578 (17092807)	

3602097.5	17.37300 (15092907)	15.26549 (17092807)	20.72560
(17092807)	24.22400 (17092807)	25.35405 (15092707)	
3601847.5	19.03679 (17092807)	21.61794 (17092807)	21.17224
(15092707)	27.58606 (15092707)	30.34825 (15092707)	
3601597.5	19.00508 (17092807)	23.99286 (15092707)	26.85354
(15092707)	25.19212 (15092707)	18.85001 (15092707)	
3601347.5	24.28487 (15092707)	23.99642 (15092707)	19.82706
(15092707)	13.21009 (15092707)	10.85645 (17122105)	
3601097.5	20.11641 (15092707)	14.96775 (15092707)	9.29922
(17122302)	9.81897 (15022607)	10.59793 (15121422)	
*** AERMOD - VERSION 18081 ***			
Hills\Otay Hills.isc ***			
*** AERMET - VERSION 18081 ***			
*** 16:35:25			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP13
INCLUDING SOURCE(S): TP13 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86
	505618.86
	505868.86

3606097.5	27.71419 (17040507)	29.42708 (17040507)	27.50786
(17020108)	26.87675 (16121408)	38.65835 (16120208)	
3605847.5	25.33752 (17020308)	26.85732 (17040507)	33.92126
(17040507)	30.67384 (17020108)	31.18979 (17020202)	
3605597.5	23.41951 (15011008)	29.33844 (16012908)	32.82652
(17020308)	37.66354 (17040507)	34.29445 (17020108)	
3605347.5	24.67430 (15040607)	27.17610 (15010408)	31.06222
(16011506)	39.09692 (16012908)	40.33345 (17010508)	
3605097.5	22.41183 (15040607)	28.84761 (15040607)	31.84828
(15121608)	35.83126 (15010408)	42.15923 (16012908)	
3604847.5	23.62818 (17012508)	27.00552 (17012508)	31.52366
(15011608)	34.77728 (17012703)	42.07261 (15121608)	
3604597.5	28.19168 (15040307)	29.73953 (15040307)	31.54778
(16122808)	34.41769 (16122808)	42.97997 (17012508)	
3604347.5	27.95574 (16011421)	31.89433 (15122708)	34.58799
(17020524)	34.92681 (16020401)	41.65754 (15020702)	
3604097.5	28.56319 (17011708)	34.78378 (17011708)	38.39729
(17011708)	37.90937 (17011708)	41.32457 (16120722)	
3603847.5	30.57377 (17122608)	33.60324 (17122608)	35.61279
(17122608)	40.96945 (17122608)	46.21490 (17122608)	
3603597.5	25.48152 (16012807)	27.79049 (15011603)	31.35643
(17122908)	37.15216 (17122908)	46.41557 (17122908)	
3603347.5	24.05391 (17011719)	27.15017 (17011719)	30.76155
(15012720)	36.59276 (16021602)	42.50119 (16012803)	
3603097.5	22.93522 (16012803)	26.79062 (16011702)	29.87485
(17120906)	35.47902 (17122623)	41.73104 (16021406)	
3602847.5	23.92425 (15092907)	30.09582 (15092907)	31.44237
(15092907)	34.25736 (17010708)	42.21946 (17121308)	
3602597.5	24.24142 (15092907)	25.92071 (17010708)	32.93786
(17092807)	39.60556 (15092707)	50.04613 (15092707)	
3602347.5	28.39461 (17092807)	31.41681 (15092707)	40.13782
(15092707)	37.84771 (15092707)	22.75857 (15092707)	

Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	32.78237 (15092707)	33.87638 (15092707)	26.27226
(15092707)	18.22806 (17122105)	20.01058 (15121422)	
3601847.5	26.11578 (15092707)	17.01776 (15092707)	15.39463
(15022607)	16.98998 (17012504)	18.24150 (16020405)	
3601597.5	12.36782 (17122302)	13.16958 (15012201)	14.37713
(17012504)	15.65352 (16020405)	16.28479 (15013101)	
3601347.5	11.69602 (15121422)	12.53308 (17021905)	13.44198
(16020405)	13.94853 (15013101)	15.02482 (17010801)	
3601097.5	11.27244 (17021905)	11.85530 (16020405)	12.44300
(17121505)	13.28259 (16121724)	14.00123 (16022007)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP13 ***
 INCLUDING SOURCE(S): TP13 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	50.39006 (16120208)	37.03626 (15121708)	55.07738
(17021308)	74.68014 (15021508)	69.25314 (17010724)	
3605847.5	43.76169 (16120208)	56.57264 (16120208)	48.77138
(16010908)	78.81748 (15120107)	73.32108 (15121303)	
3605597.5	38.38160 (17020108)	49.62696 (16120208)	59.70885
(16120208)	87.44670 (17011603)	96.94035 (15021508)	
3605347.5	44.03588 (16011607)	49.28936 (17020108)	55.42464
(16120208)	62.96672 (15121708)	63.37188 (17022201)	
3605097.5	53.17991 (17020308)	57.50749 (15120308)	71.37305
(17020108)	77.03832 (16120208)	87.91349 (15121708)	
3604847.5	49.82472 (16020408)	66.56366 (16012908)	77.67550
(15021008)	105.34948 (17020108)	126.20370 (16120208)	
3604597.5	51.75625 (15011608)	60.70105 (15012401)	78.82597
(16020408)	117.00974 (17020308)	148.56974 (17020108)	
3604347.5	50.24747 (16011108)	60.87648 (16122808)	78.43669
(17012508)	103.49597 (17012703)	146.10542 (16020408)	
3604097.5	49.58039 (16120722)	62.51560 (16011421)	80.50014
(15122708)	98.24769 (16020401)	140.24125 (16011108)	
3603847.5	51.94495 (17122608)	63.21294 (17122608)	78.01016
(17122608)	103.03798 (17122608)	144.37157 (17122608)	
3603597.5	52.20499 (16010308)	59.94521 (17011719)	76.06331
(15012720)	90.79565 (16012803)	126.56452 (15011506)	
3603347.5	51.12712 (17120906)	57.55541 (15011506)	72.78689
(17121720)	98.98057 (17010708)	109.56235 (16021107)	
3603097.5	49.19937 (17122824)	58.22757 (17121308)	65.82423
(15092707)	62.98741 (16021107)	62.42891 (17012504)	
3602847.5	52.05317 (15092707)	56.54043 (15092707)	39.93775
(17122302)	44.97465 (17021905)	49.45563 (15120324)	
3602597.5	37.25067 (15092707)	30.78981 (15022607)	35.47765
(16121224)	37.04391 (15120324)	40.84813 (16122704)	
3602347.5	24.45840 (15121422)	27.16208 (16121224)	29.51227
(15013101)	31.98659 (16122704)	34.44282 (17010503)	

3602097.5	21.43135 (16020405)	23.49225 (15013101)	24.90837
(16021923)	27.40395 (16120304)	31.79676 (16011119)	
3601847.5	19.22479 (15013101)	21.26322 (17010801)	22.30952
(17012722)	27.97004 (17040807)	28.19439 (15041007)	
3601597.5	17.75270 (17010801)	18.83783 (16122704)	20.93998
(17040807)	22.60997 (17022603)	38.61524 (17020408)	
3601347.5	16.18617 (16122704)	17.10765 (16120304)	23.78432
(17040807)	23.53082 (15041007)	43.28775 (17020408)	
3601097.5	14.95454 (17012722)	20.79048 (17040807)	17.86129
(17022603)	28.10500 (17020408)	41.87474 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP13 ***
 INCLUDING SOURCE(S): TP13 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	36.19549 (17070706)	42.68562 (17022408)	20.66097
(17022408)	12.80896 (16112208)	39.97881 (17032607)	
3605847.5	81.43289 (17021508)	101.67291 (16120908)	50.21164
(17022408)	33.15705 (15111919)	89.13029 (17032607)	
3605597.5	84.41369 (17021508)	56.49290 (16021807)	59.46701
(16120106)	67.02455 (15010907)	92.51104 (17032607)	
3605347.5	61.26468 (15021508)	65.24219 (15022206)	72.77823
(17022408)	37.17366 (16091507)	121.11077 (17120924)	
3605097.5	101.65431 (15021508)	134.02962 (16012808)	42.20521
(17022408)	30.05317 (17032607)	30.72817 (17032607)	
3604847.5	183.31334 (17021401)	168.37346 (17010208)	88.95427
(17022408)	49.99631 (17032607)	16.14710 (15022208)	
3604597.5	193.23927 (15120408)	173.03610 (15021508)	68.93818
(15013009)	101.09420 (17032607)	42.93258 (16111708)	
3604347.5	222.76823 (15021008)	329.45501 (15120408)	240.91953
(17102907)	249.24442 (17032607)	69.23914 (15022723)	
3604097.5	241.77034 (17012508)	389.99695 (16020408)	888.27605
(15121708)	1234.53863 (16120120)	358.00945 (15051906)	
3603847.5	223.84399 (17122608)	359.62737 (15021102)	1086.21170
(16010308)	3940.56379 (15022202)	346.20531 (17121717)	
3603597.5	196.98388 (17122824)	263.98180 (16021107)	352.55835
(17011624)	340.78350 (17062006)	201.15477 (16013009)	
3603347.5	100.47245 (15121422)	127.32372 (17010801)	204.67956
(16010102)	288.47800 (17122218)	92.57198 (16011918)	
3603097.5	74.25989 (15120324)	97.43304 (17022103)	118.25156
(15012823)	173.84074 (16022219)	159.24513 (16121220)	
3602847.5	57.90647 (16120304)	79.07382 (17020408)	78.36761
(16010118)	95.69960 (16022219)	92.72210 (16022321)	
3602597.5	50.70352 (16011119)	79.52108 (17020408)	60.21538
(17122005)	71.00948 (17122205)	68.17972 (16122021)	
3602347.5	43.56800 (17020408)	58.37369 (17020408)	46.81241
(16122020)	55.77894 (17122205)	54.19111 (15020321)	

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 55.55996 (17020408) 36.92421 (17020408) 37.45996
(16022802) 44.69725 (17121519) 43.98418 (17121306)
3601847.5 | 54.09315 (17020408) 30.42648 (17122619) 31.34375
(16012923) 37.17817 (17121519) 36.70725 (15021622)
3601597.5 | 44.33385 (17020408) 26.02336 (16011319) 26.51264
(16012923) 31.63138 (17121519) 32.00962 (16112308)
3601347.5 | 33.10029 (17020408) 22.71357 (16010118) 23.33205
(17010402) 27.41727 (15121123) 30.13863 (16112308)
3601097.5 | 22.81101 (17020408) 20.44251 (16010118) 20.82100
(17010402) 24.23762 (15121123) 27.51316 (16112308)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP13
INCLUDING SOURCE(S): TP13 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
509868.86	509618.86
510118.86	

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3606097.5 | 15.78234 (17032607) 12.37687 (16083007) 10.27676
(16111708) 7.77721 (17020109) 5.36061 (17020109)
3605847.5 | 12.13784 (16010705) 64.44117 (15122821) 15.30242
(16083007) 7.39593 (15022224) 8.84577 (16092207)
3605597.5 | 67.40304 (15021924) 62.27332 (15052306) 33.90752
(16101307) 18.73763 (16092207) 10.80160 (17121809)
3605347.5 | 88.17232 (15033023) 84.17820 (17032207) 79.57046
(17022521) 17.16864 (16092207) 9.55156 (17121809)
3605097.5 | 26.79107 (16083007) 12.76873 (15022224) 22.05648
(16092207) 49.28533 (17090523) 13.66099 (15110508)
3604847.5 | 15.25784 (16111708) 16.42795 (16092207) 12.36245
(17121809) 11.60388 (15022724) 15.59766 (15022818)
3604597.5 | 26.34443 (16092207) 14.55308 (17121809) 10.35084
(15082707) 19.59321 (17032608) 24.75937 (16040707)
3604347.5 | 37.53393 (15082707) 26.94512 (15022818) 44.30817
(16040707) 52.52506 (16040707) 34.88579 (16040707)
3604097.5 | 189.14153 (16040707) 51.26538 (16040707) 25.30548
(17032307) 20.45971 (17091207) 19.12808 (16090707)
3603847.5 | 130.39039 (15012017) 77.90505 (15012017) 30.00568
(17030408) 24.24546 (15062407) 21.40380 (15062407)
3603597.5 | 109.09983 (16040807) 46.24934 (16021802) 39.80998
(17122709) 28.60719 (16121017) 21.60961 (15020117)
3603347.5 | 79.04839 (16013009) 53.36898 (16041107) 136.31825
(16040807) 46.55280 (15022408) 77.48924 (15012119)
3603097.5 | 50.71261 (17010522) 207.02051 (17040307) 121.89700
(16121203) 145.10779 (17011308) 134.43681 (16121122)
3602847.5 | 166.76856 (17120621) 94.38099 (16121022) 81.95751
(17122518) 91.13234 (16122817) 70.63330 (17121101)
3602597.5 | 67.86473 (16121220) 82.76459 (15020908) 68.19522
(16010421) 67.73939 (17122518) 66.32934 (15013018)
3602347.5 | 51.76384 (17010624) 54.75507 (17120621) 67.33122
(17021408) 52.70103 (16010421) 51.13490 (17122518)

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3602097.5 | 42.43373 (15021419) 40.47182 (17010406) 52.64128
(17120621) 49.99426 (17021408) 82.77168 (15011201)
3601847.5 | 36.32584 (17011319) 36.66002 (15022808) 34.75736
(16121008) 43.92024 (15020908) 40.37388 (16121022)
3601597.5 | 31.18608 (16122021) 37.81493 (15022808) 28.05891
(17010406) 35.88936 (17120621) 37.54127 (17021408)
3601347.5 | 28.13059 (17031208) 29.82540 (15022808) 24.72135
(16121220) 25.12628 (16121008) 31.85863 (15020908)
3601097.5 | 24.28090 (17031208) 23.58181 (17011319) 29.82448
(15022808) 21.49654 (16092807) 26.29296 (17120621)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP13
INCLUDING SOURCE(S): TP13 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
511118.86	510618.86
	510868.86

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3606097.5 | 8.06432 (16092207) 8.89433 (17121809) 7.19165
(17121809) 6.08601 (17032908)
3605847.5 | 9.75544 (17121809) 7.82850 (17121809) 6.67302
(17032908) 6.49694 (15082707)
3605597.5 | 8.59866 (17121809) 7.32469 (17032908) 6.81029
(15082707) 4.56741 (15082707)
3605347.5 | 8.16600 (15082707) 6.84236 (15082707) 4.11581
(17122309) 7.19352 (17122309)
3605097.5 | 7.02729 (16042804) 7.70060 (17122309) 11.02920
(17122309) 12.01344 (17122309)
3604847.5 | 15.92309 (17032608) 15.52964 (16040707) 26.57780
(16040707) 31.52458 (16040707)
3604597.5 | 38.22371 (16040707) 37.15580 (16040707) 27.15126
(16040707) 16.58662 (16040707)
3604347.5 | 17.46192 (16040707) 11.93635 (17082707) 12.11094
(17082707) 11.66115 (17082707)
3604097.5 | 17.51865 (16090707) 15.62333 (16090707) 13.76078
(16090707) 12.05843 (16090707)
3603847.5 | 19.21747 (15062407) 17.47693 (15062407) 16.05418
(15062407) 14.86646 (15062407)
3603597.5 | 19.48751 (15061907) 16.06405 (15061907) 13.48451
(15061907) 11.17494 (15061907)
3603347.5 | 34.69287 (15091922) 13.22819 (17082908) 9.29173
(17122709) 7.14290 (17122709)
3603097.5 | 40.39495 (15022408) 25.41905 (15022408) 11.46377
(15022408) 10.81059 (17122709)
3602847.5 | 93.14009 (17011308) 41.16119 (16040807) 34.29168
(15022408) 26.60276 (15022408)
3602597.5 | 62.79520 (16010101) 25.88748 (16040807) 38.93189
(16040807) 34.68588 (16040807)
3602347.5 | 53.55322 (15013018) 69.20197 (17010220) 34.88999
(16071324) 54.08487 (17011308)

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Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	86.53689 (17040307)	38.69378 (17122124)	38.60184
(16122817)	36.25737 (17022804)		
3601847.5	68.58449 (16010601)	33.99525 (17122518)	30.70683
(17122124)	29.68550 (16122817)		
3601597.5	35.20673 (16121022)	30.15115 (16010601)	30.26617
(17122518)	25.07259 (17122124)		
3601347.5	31.70095 (17021408)	24.76721 (16121022)	25.39333
(17011224)	24.88510 (17122518)		
3601097.5	27.62538 (15020908)	25.56490 (17021408)	21.47854
(16010421)	23.25649 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP13 ***
INCLUDING SOURCE(S): TP13 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
508226.78	3603955.63	592.81023 (16122808)	
507708.67	3603932.32	175.10065 (17011708)	
506203.59	3603369.23	38.55436 (16021602)	
507919.87	3604794.52	165.21047 (15011206)	
507037.89	3604916.08	72.14446 (15021008)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP14 ***
INCLUDING SOURCE(S): TP14 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504868.86	504118.86
	504368.86
	504618.86

3606097.5	13.61711 (15010408)	14.16629 (16020408)	16.70837
(16120805)	19.90812 (16012908)	20.96199 (17020308)	
3605847.5	17.07753 (15040607)	16.52357 (15040607)	16.32926
(15010408)	17.75777 (15011008)	21.92563 (16012908)	

3605597.5	15.84347 (15040607)	18.44135 (15040607)	20.76860
(15040607)	21.00429 (15040607)	21.60264 (15010408)	
3605347.5	15.97514 (17012508)	15.71213 (15011608)	16.99025
(15011608)	19.68211 (15040607)	24.24846 (15040607)	
3605097.5	17.36489 (16021108)	17.27801 (16122808)	18.86768
(17012508)	19.61715 (17012508)	20.71275 (15011608)	
3604847.5	21.58167 (15040307)	23.24469 (15040307)	23.15010
(15040307)	21.97858 (15040307)	24.12828 (16122808)	
3604597.5	18.48750 (17092707)	19.96652 (17092707)	21.16900
(17092707)	22.20732 (17092707)	27.58636 (15040307)	
3604347.5	20.27442 (16040507)	21.04982 (16040507)	21.93795
(16040507)	22.73623 (16040507)	24.50839 (16011421)	
3604097.5	16.19792 (17121406)	18.27601 (17011708)	19.90222
(17011708)	22.14573 (17011708)	25.01875 (17011708)	
3603847.5	20.53321 (17021608)	21.92887 (17021608)	24.03516
(17021608)	25.22477 (17021608)	27.53244 (17021608)	
3603597.5	15.12977 (15021102)	16.47542 (15021102)	18.58352
(15021102)	20.46068 (16012807)	22.33730 (16012807)	
3603347.5	15.44186 (17122908)	16.89308 (17122908)	18.39157
(17122908)	19.99506 (16010308)	21.72924 (17021402)	
3603097.5	14.79375 (17011719)	16.00942 (15012720)	17.37922
(15012720)	20.01043 (16021602)	20.73692 (16021602)	
3602847.5	14.03093 (16012803)	15.55747 (16012803)	17.43717
(16011702)	18.94584 (17120906)	20.64951 (15011506)	
3602597.5	14.26776 (17120906)	15.74593 (15092907)	20.50804
(15092907)	24.18265 (15092907)	25.61926 (15092907)	
3602347.5	20.02302 (15092907)	21.52491 (15092907)	20.88106
(15092907)	17.79710 (15092907)	23.27827 (17092807)	
3602097.5	17.01964 (15092907)	15.75256 (17092807)	21.09150
(17092807)	24.25697 (17092807)	25.98952 (15092707)	
3601847.5	19.30637 (17092807)	21.62669 (17092807)	21.69835
(15092707)	27.86255 (15092707)	30.14218 (15092707)	
3601597.5	18.84997 (15092707)	24.28378 (15092707)	26.80569
(15092707)	24.75619 (15092707)	18.19924 (15092707)	
3601347.5	24.32900 (15092707)	23.72828 (15092707)	19.32185
(15092707)	12.66784 (15092707)	10.81196 (17122105)	
3601097.5	19.73965 (15092707)	14.49036 (15092707)	9.27426
(17122302)	9.80495 (15022607)	10.58390 (15121422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP14 ***
INCLUDING SOURCE(S): TP14 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86
	505618.86
	505868.86

3606097.5	27.53561 (17040507)	29.71050 (17040507)	27.53468
(17020108)	26.86825 (16121408)	38.32792 (16120208)	
3605847.5	25.36084 (17020308)	26.47140 (17040507)	34.05418
(17040507)	30.59619 (17020108)	31.32711 (17020202)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	23.37948 (15011008)	29.27814 (16012908)	33.09070
(17020308)	37.51299 (17040507)	34.05795 (15013124)	
3605347.5	24.94937 (15040607)	27.37653 (15010408)	30.91398
(15011008)	39.27248 (16012908)	40.47818 (17010508)	
3605097.5	22.62211 (15011608)	28.82173 (15040607)	31.80680
(15121608)	36.12865 (15010408)	41.90981 (16011506)	
3604847.5	23.47403 (17012508)	27.13126 (17012508)	31.55942
(15011608)	34.79082 (17012703)	41.85047 (15121608)	
3604597.5	28.11105 (15040307)	30.05918 (15040307)	31.61925
(16122808)	34.96605 (16122808)	43.19814 (17012508)	
3604347.5	28.10310 (16011421)	31.97672 (15122708)	34.62263
(17020524)	34.96204 (16020401)	41.80706 (15020702)	
3604097.5	28.58157 (17011708)	34.92409 (17011708)	38.71097
(17011708)	38.41206 (17011708)	42.11220 (17011708)	
3603847.5	30.44017 (17122608)	33.43515 (17122608)	35.40365
(17122608)	40.68946 (17122608)	45.83798 (17122608)	
3603597.5	25.47940 (16012807)	27.95637 (15011603)	31.69243
(17122908)	37.32508 (17122908)	46.26140 (17122908)	
3603347.5	24.18698 (17011719)	27.07431 (17011719)	30.69107
(15012720)	36.45286 (16021602)	42.64682 (16012803)	
3603097.5	22.97925 (16012803)	26.80685 (16011702)	29.78248
(17120906)	35.53861 (17122623)	41.68541 (16121801)	
3602847.5	24.51376 (15092907)	30.30910 (15092907)	30.99306
(15092907)	34.64537 (17010708)	42.50180 (17121308)	
3602597.5	23.66267 (15092907)	26.29880 (17092807)	33.09979
(17092807)	40.57147 (15092707)	49.73483 (15092707)	
3602347.5	28.47360 (17092807)	32.20289 (15092707)	40.21658
(15092707)	36.89619 (15092707)	22.24056 (17122302)	
3602097.5	33.00788 (15092707)	33.39977 (15092707)	25.27327
(15092707)	18.16402 (17122105)	19.93557 (15121422)	
3601847.5	25.44213 (15092707)	16.21822 (15092707)	15.35740
(15022607)	16.97639 (17012504)	18.21004 (16020405)	
3601597.5	12.29795 (17122302)	13.16257 (15012201)	14.32280
(17021905)	15.60570 (16020405)	16.33227 (15013101)	
3601347.5	11.72074 (15121422)	12.53148 (17021905)	13.38795
(16020405)	14.00168 (15013101)	15.06919 (17010801)	
3601097.5	11.24573 (17021905)	11.79919 (16020405)	12.42548
(15013101)	13.27204 (16121724)	13.98159 (16022007)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP14 ***
 INCLUDING SOURCE(S): TP14 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	50.71215 (16120208)	37.33794 (15121708)	54.74361
(17021308)	75.08358 (15021508)	69.70887 (17010724)	
3605847.5	43.38800 (16120208)	57.09008 (16120208)	49.02983
(16010908)	79.74601 (15120107)	73.48248 (15121303)	

3605597.5	38.95954 (17020108)	49.20740 (16120208)	60.47634
(16120208)	88.28788 (17021107)	97.43851 (15021508)	
3605347.5	44.30706 (16011607)	49.92234 (17020108)	54.96787
(16120208)	63.13390 (15121708)	64.01967 (17022201)	
3605097.5	53.51608 (17020308)	57.91186 (15021008)	72.00404
(17020108)	76.46087 (16120208)	88.90587 (15121708)	
3604847.5	50.28028 (15010408)	66.17243 (16012908)	78.41201
(17020308)	105.55546 (17020108)	126.03594 (15121208)	
3604597.5	52.16026 (15011608)	61.04095 (15012401)	79.49763
(15010408)	117.91577 (16012908)	148.22575 (16011607)	
3604347.5	50.15769 (16011108)	61.44830 (16122808)	78.86457
(17012508)	104.38574 (15011608)	147.52500 (15010408)	
3604097.5	49.94018 (16120722)	62.18277 (16011421)	81.21148
(16011421)	99.08475 (17020524)	139.01521 (16011108)	
3603847.5	51.42848 (17122608)	62.43967 (17122608)	76.79611
(17122608)	100.91045 (17122608)	140.15207 (17122608)	
3603597.5	52.05340 (16010308)	60.33570 (17011719)	75.89216
(15012720)	91.49369 (16012803)	126.59075 (15011506)	
3603347.5	51.49693 (17120906)	57.38163 (17122623)	73.31021
(17121720)	99.04191 (17121308)	109.52761 (16021107)	
3603097.5	49.12446 (17122824)	58.91895 (17121308)	66.94416
(15092707)	59.74935 (16021107)	62.11333 (17012504)	
3602847.5	53.22203 (15092707)	55.33862 (15092707)	39.61541
(16011206)	44.74519 (17021905)	49.22334 (15120324)	
3602597.5	35.63773 (15092707)	30.63627 (15022607)	35.41617
(16121224)	37.11356 (15120324)	40.83708 (17012722)	
3602347.5	24.52537 (15121422)	27.05835 (16020405)	29.43142
(15013101)	32.02344 (16122704)	34.85822 (17022103)	
3602097.5	21.43472 (16020405)	23.48985 (15013101)	24.77966
(16021923)	27.32156 (17011624)	31.55679 (16011119)	
3601847.5	19.25688 (15013101)	21.14397 (17010801)	22.26240
(17012722)	27.96488 (17040807)	28.63075 (17020408)	
3601597.5	17.74103 (17010801)	18.70688 (16122704)	21.51090
(17040807)	22.58544 (17022603)	39.32955 (17020408)	
3601347.5	16.18384 (16122704)	17.04003 (17011624)	23.57324
(17040807)	23.62472 (15041007)	43.50387 (17020408)	
3601097.5	14.89813 (17012722)	21.05850 (17040807)	17.89472
(15041007)	28.73726 (17020408)	41.66669 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP14 ***
 INCLUDING SOURCE(S): TP14 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	36.09134 (17070706)	43.09794 (17022408)	20.51156
(17022408)	12.67490 (16112208)	40.35192 (17032607)	
3605847.5	81.74159 (17021508)	102.10146 (16120908)	49.96025
(17022408)	33.00628 (15111919)	89.26250 (17032607)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	84.66181 (17021508)	56.85153 (16021807)	59.81086
(16120106)	67.46597 (15010907)	91.60529 (17032607)	
3605347.5	61.96959 (15021508)	65.80755 (15022206)	72.91641
(17022408)	38.18936 (16091507)	120.82906 (17120924)	
3605097.5	102.19381 (15021508)	134.03258 (16012808)	42.52271
(17022408)	31.82772 (17032607)	28.96161 (17032607)	
3604847.5	184.10308 (17021401)	169.55015 (17010208)	90.33950
(17022408)	53.11249 (17032607)	16.69191 (15022208)	
3604597.5	194.74078 (15120408)	173.10858 (15021508)	69.70002
(15013009)	107.42625 (17032607)	44.18706 (16111708)	
3604347.5	225.80147 (17020308)	336.55611 (15120408)	242.73654
(15110524)	259.47905 (17032607)	68.15606 (15022723)	
3604097.5	242.76330 (17012508)	397.42823 (15010408)	914.81206
(15123008)	1293.15042 (16120120)	355.81776 (15051906)	
3603847.5	213.81219 (15021102)	374.14122 (17122908)	1087.02062
(16021602)	3836.49736 (15121020)	362.07796 (15012717)	
3603597.5	200.05291 (17010708)	243.58336 (16021107)	356.31835
(17022103)	336.13598 (17062006)	192.21193 (16013009)	
3603347.5	101.08804 (15121422)	125.06537 (17022221)	200.57244
(16010102)	281.56520 (17122218)	90.51271 (16011918)	
3603097.5	74.01485 (17010801)	96.25661 (17022103)	116.90881
(17122619)	170.39714 (16022219)	156.68731 (16121220)	
3602847.5	57.69894 (17011624)	81.27098 (17020408)	77.97869
(16010118)	94.56398 (16022219)	91.64019 (16022321)	
3602597.5	50.36716 (16011119)	78.89668 (17020408)	59.69576
(17122005)	70.25620 (17122205)	67.50439 (16122021)	
3602347.5	45.11442 (17020408)	56.82047 (17020408)	46.39530
(16122020)	55.39455 (17122205)	53.74883 (15020321)	
3602097.5	56.13804 (17020408)	35.81478 (15012823)	37.17348
(16022802)	44.33118 (17121519)	43.64624 (17121306)	
3601847.5	53.77066 (17020408)	30.25271 (17122619)	31.17004
(16012923)	36.94317 (17121519)	36.47272 (15021622)	
3601597.5	43.58275 (17020408)	25.85526 (16011319)	26.36863
(17010402)	31.47861 (17121519)	31.84588 (16112308)	
3601347.5	32.29134 (17020408)	22.67769 (16010118)	23.22982
(17010402)	27.22702 (15121123)	30.04370 (16112308)	
3601097.5	22.59036 (17111908)	20.34380 (16010118)	20.71387
(17010402)	24.09449 (15121123)	27.47099 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP14 ***
 INCLUDING SOURCE(S): TP14 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	15.08715 (17032607)	12.70002 (16083007)	10.23016
(16111708)	7.76699 (17020109)	5.52492 (16092207)	
3605847.5	12.14078 (16010705)	64.26601 (15122821)	15.02533
(16083007)	7.44443 (15022224)	8.90244 (16092207)	

3605597.5	67.19986 (15021924)	62.77489 (15052306)	34.69034
(16101307)	19.10648 (16092207)	10.85318 (17121809)	
3605347.5	88.57360 (15122821)	85.69681 (17032207)	77.96244
(17022521)	16.50935 (16092207)	9.33001 (17121809)	
3605097.5	26.88047 (16083007)	12.82493 (15022224)	21.35557
(16092207)	49.23669 (15090405)	13.77010 (15110508)	
3604847.5	14.52616 (17020109)	16.14882 (16092207)	11.94412
(17121809)	11.13508 (15022724)	15.25167 (15022818)	
3604597.5	26.81879 (16092207)	14.21219 (17032908)	9.86496
(15082707)	20.95806 (17032608)	26.96016 (16040707)	
3604347.5	38.34433 (15022724)	28.44438 (17032608)	47.89502
(16040707)	51.88488 (16040707)	32.59119 (16040707)	
3604097.5	192.82983 (16040707)	44.79132 (16040707)	25.17472
(16020417)	21.07994 (17091207)	19.33458 (16090707)	
3603847.5	136.71695 (17012817)	68.27848 (15012017)	31.51042
(15012317)	23.99808 (15062407)	21.74267 (17042907)	
3603597.5	111.26821 (16040807)	48.64409 (15022408)	40.31217
(17122709)	28.15323 (16121017)	22.30124 (15020117)	
3603347.5	73.17218 (16013009)	54.89752 (16041107)	138.66464
(16040807)	47.95436 (15022408)	77.34011 (15012119)	
3603097.5	51.13005 (17010522)	204.13652 (17040307)	121.78992
(16121203)	144.69793 (17011308)	131.99066 (16121122)	
3602847.5	163.42622 (17120621)	93.72785 (16121022)	81.99877
(17122518)	90.38465 (16122817)	69.57610 (17022804)	
3602597.5	67.35048 (16121220)	81.88382 (15020908)	67.19846
(16010421)	67.73760 (17122518)	65.80960 (15013018)	
3602347.5	51.46811 (15022808)	53.93037 (17120621)	66.86240
(17021408)	52.28748 (16010421)	51.11846 (17122518)	
3602097.5	42.12932 (15021419)	40.20080 (17010406)	52.31733
(17120621)	49.98741 (17021408)	81.88357 (15011201)	
3601847.5	36.11141 (17011319)	36.59549 (15022808)	34.55608
(16121008)	43.67707 (15020908)	40.12913 (16121022)	
3601597.5	31.01597 (16122021)	37.70186 (15022808)	27.91951
(17010406)	35.62123 (17120621)	37.30599 (17021408)	
3601347.5	28.07004 (17031208)	29.75324 (15022808)	24.59744
(16121220)	24.99745 (16121008)	31.61055 (15020908)	
3601097.5	24.28357 (17031208)	23.47431 (17011319)	29.76741
(15022808)	21.42443 (16092807)	26.09427 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP14 ***
 INCLUDING SOURCE(S): TP14 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			

3606097.5	8.03750 (16092207)	8.90245 (17121809)	7.07263
(17121809)	6.11544 (17032908)		
3605847.5	9.77988 (17121809)	7.68618 (17121809)	6.68900
(17032908)	6.47127 (15082707)		

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	8.42407 (17121809)	7.31721 (17032908)	6.72989
(15082707)	4.41315 (15082707)		
3605347.5	8.23666 (15082707)	6.68678 (15082707)	4.37839
(17122309)	7.48297 (17122309)		
3605097.5	7.24231 (16042804)	8.09101 (17122309)	11.29330
(17122309)	12.04823 (17122309)		
3604847.5	16.73401 (17032608)	16.89723 (16040707)	27.72418
(16040707)	31.81548 (16040707)		
3604597.5	39.23913 (16040707)	36.55559 (16040707)	25.89061
(16040707)	15.45261 (16040707)		
3604347.5	15.74134 (16040707)	12.23688 (17082707)	12.25267
(17082707)	11.68145 (17082707)		
3604097.5	17.43760 (16090707)	15.39070 (16090707)	13.45798
(16090707)	11.73183 (16090707)		
3603847.5	19.32828 (17042907)	17.45990 (15062407)	16.06137
(15062407)	14.88876 (15062407)		
3603597.5	18.88701 (15061907)	15.80478 (15061907)	13.43811
(15061907)	11.24421 (15061907)		
3603347.5	34.35344 (15091922)	13.39709 (16011417)	9.49912
(17122709)	7.34996 (17122709)		
3603097.5	40.68438 (15022408)	26.59108 (15022408)	12.34575
(15022408)	10.79246 (17122709)		
3602847.5	94.52553 (17011308)	41.77626 (16040807)	34.19491
(15022408)	27.28681 (15022408)		
3602597.5	62.25514 (16010101)	24.74941 (16040807)	38.41957
(16040807)	35.17056 (16040807)		
3602347.5	53.29396 (17122124)	69.29997 (17010220)	34.57936
(16071324)	53.97913 (17011308)		
3602097.5	84.93853 (17040307)	38.61239 (17122124)	38.57344
(16122817)	36.19433 (17022804)		
3601847.5	68.18962 (16010601)	33.97347 (17122518)	30.54820
(17122124)	29.52564 (16122817)		
3601597.5	35.16008 (16121022)	30.06147 (16010601)	30.24577
(17122518)	24.88696 (17122124)		
3601347.5	31.63695 (17021408)	24.80469 (16121022)	25.23529
(17011224)	24.86667 (17122518)		
3601097.5	27.52070 (15020908)	25.59938 (17021408)	21.27899
(16010421)	23.15382 (17011224)		

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP14 ***
 INCLUDING SOURCE(S): TP14 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

		** CONC OF TAC		IN MICROGRAMS/M**3	
**					
X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD	
(M)	Y-COORD (M)	CONC (YYMMDDHH)			

508226.78	3603955.63	583.01023 (16011108)			
507708.67	3603932.32	174.44037 (17011708)			
506203.59	3603369.23	38.43733 (16021602)			
507919.87	3604794.52	166.42691 (15011206)			
507037.89	3604916.08	72.18821 (15021008)			

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP15 ***
 INCLUDING SOURCE(S): TP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

		** CONC OF TAC		IN MICROGRAMS/M**3	
**					
Y-COORD (METERS)		504118.86	504368.86	X-COORD (METERS)	504618.86
504868.86		505118.86			

3606097.5	13.63859 (15010408)	14.21728 (16020408)	16.58126
(16120805)	19.86242 (16012908)	21.05989 (17020308)	
3605847.5	17.11832 (15040607)	16.66333 (15040607)	16.35091
(15010408)	17.58095 (15011008)	21.61369 (16012908)	
3605597.5	15.68073 (15040607)	18.34263 (15040607)	20.77623
(15040607)	21.15789 (15040607)	21.60318 (15010408)	
3605347.5	15.94583 (17012508)	15.58810 (15011608)	16.99432
(15011608)	19.51179 (15040607)	24.19432 (15040607)	
3605097.5	17.59625 (16021108)	17.32755 (16122808)	18.69805
(17012508)	19.58542 (17012508)	20.56297 (15011608)	
3604847.5	21.39798 (15040307)	23.17159 (15040307)	23.23005
(15040307)	22.22864 (15040307)	24.11478 (16122808)	
3604597.5	18.32569 (17092707)	19.86293 (17092707)	21.14951
(17092707)	22.30005 (17092707)	27.18437 (15040307)	
3604347.5	20.21401 (16040507)	21.03469 (16040507)	21.98020
(16040507)	22.85216 (16040507)	24.33928 (16011421)	
3604097.5	16.11751 (17121406)	18.11426 (17011708)	19.73841
(17011708)	21.97617 (17011708)	24.84246 (17011708)	
3603847.5	20.54536 (17021608)	21.93490 (17021608)	24.03023
(17021608)	25.21176 (17021608)	27.50266 (17021608)	
3603597.5	15.08854 (15021102)	16.41363 (15021102)	18.48687
(15021102)	20.40467 (16012807)	22.24445 (16012807)	
3603347.5	15.38810 (17122908)	16.80991 (17122908)	18.30344
(16010308)	19.88700 (16010308)	21.63093 (17021402)	
3603097.5	14.73584 (17011719)	15.96038 (15012720)	17.29348
(15012720)	19.91207 (16021602)	20.59142 (16021602)	
3602847.5	14.00294 (16012803)	15.49873 (16012803)	17.36938
(16011702)	18.87107 (17120906)	20.56045 (15011506)	
3602597.5	14.21052 (17120906)	15.78509 (15092907)	20.51498
(15092907)	24.13963 (15092907)	25.52017 (15092907)	
3602347.5	19.99944 (15092907)	21.46440 (15092907)	20.78989
(15092907)	17.69485 (15092907)	23.23702 (17092807)	
3602097.5	16.94105 (15092907)	15.74522 (17092807)	21.05484
(17092807)	24.19222 (17092807)	25.91060 (15092707)	
3601847.5	19.27366 (17092807)	21.57410 (17092807)	21.64194
(15092707)	27.78284 (15092707)	30.06438 (15092707)	
3601597.5	18.80547 (15092707)	24.22008 (15092707)	26.74049
(15092707)	24.71485 (15092707)	18.19796 (15092707)	
3601347.5	24.27150 (15092707)	23.68422 (15092707)	19.30678
(15092707)	12.68109 (15092707)	10.77527 (17122105)	
3601097.5	19.71569 (15092707)	14.49143 (15092707)	9.24379
(17122302)	9.76983 (15022607)	10.54502 (15121422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP15 ***
INCLUDING SOURCE(S): TP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS) 505868.86
506118.86	506368.86		

3606097.5	27.13797 (17040507)	29.95259 (17040507)	27.33548
(17020108)	26.61579 (17020202)	37.35955 (16120208)	
3605847.5	25.20016 (17020308)	25.79769 (17040507)	34.02182
(17040507)	30.18820 (17020108)	31.49103 (17020108)	
3605597.5	23.15479 (15011008)	28.95812 (16012908)	33.11591
(17020308)	37.02549 (17040507)	33.99850 (15013124)	
3605347.5	25.10160 (15040607)	27.36354 (15010408)	30.65931
(15011008)	39.07697 (16012908)	40.59242 (17020308)	
3605097.5	22.69879 (15011608)	28.64502 (15040607)	31.48213
(15121608)	36.08511 (15010408)	41.27564 (16011506)	
3604847.5	23.21337 (17012508)	27.06300 (17012508)	31.32907
(15011608)	34.62739 (17121424)	41.18280 (15121608)	
3604597.5	27.92047 (15040307)	30.13313 (15040307)	31.45891
(16122808)	35.12371 (16122808)	42.96722 (17012508)	
3604347.5	27.99201 (16011421)	31.77587 (15122708)	34.35795
(17020524)	34.73020 (16020401)	41.53368 (15020702)	
3604097.5	28.40169 (17011708)	34.73186 (17011708)	38.55971
(17011708)	38.39659 (17011708)	42.25152 (17011708)	
3603847.5	30.17288 (17122608)	33.11756 (17122608)	35.05339
(17122608)	40.24072 (17122608)	45.28959 (17122608)	
3603597.5	25.32175 (16012807)	27.83812 (15011603)	31.60164
(17122908)	37.11190 (17122908)	45.80888 (17122908)	
3603347.5	24.09161 (17011719)	26.89688 (15012720)	30.47529
(15012720)	36.15074 (16021602)	42.33442 (16012803)	
3603097.5	22.87040 (16012803)	26.65264 (16011702)	29.58287
(17120906)	35.29853 (17122623)	41.37916 (16121801)	
3602847.5	24.52150 (15092907)	30.22640 (15092907)	30.82257
(15092907)	34.44171 (17010708)	42.19861 (17121308)	
3602597.5	23.52498 (15092907)	26.25071 (17092807)	32.98325
(17092807)	40.39101 (15092707)	49.51198 (15092707)	
3602347.5	28.38473 (17092807)	32.08444 (15092707)	40.06284
(15092707)	36.80365 (15092707)	22.11160 (17122302)	
3602097.5	32.90031 (15092707)	33.31273 (15092707)	25.25673
(15092707)	18.07460 (17122105)	19.83512 (15121422)	
3601847.5	25.40824 (15092707)	16.23616 (15092707)	15.28700
(15022607)	16.89065 (17012504)	18.11802 (16020405)	
3601597.5	12.25391 (17122302)	13.10517 (15012201)	14.26029
(17012504)	15.53984 (16020405)	16.23035 (15013101)	
3601347.5	11.66750 (15121422)	12.47730 (17021905)	13.34079
(16020405)	13.91674 (15013101)	14.97504 (17010801)	
3601097.5	11.20566 (17021905)	11.76370 (16020405)	12.35140
(15013101)	13.21355 (16121724)	13.92081 (16022007)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP15 ***
INCLUDING SOURCE(S): TP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS) 507118.86
507368.86	507618.86		

3606097.5	51.00704 (16120208)	37.58029 (15121708)	52.37844
(17021308)	75.42112 (15021508)	69.57967 (17010724)	
3605847.5	42.25146 (16120208)	57.71798 (16120208)	48.73691
(16010908)	80.39128 (15120107)	73.02637 (16040801)	
3605597.5	39.50284 (17020108)	47.87085 (16120208)	61.62817
(16120208)	87.69841 (17021107)	97.81077 (15021508)	
3605347.5	44.13527 (16011607)	50.32319 (17020108)	53.42501
(16120208)	62.19179 (16120708)	64.75854 (15122808)	
3605097.5	53.25080 (17020308)	58.04885 (15021008)	71.73080
(17020108)	74.15370 (16120208)	89.02767 (15121708)	
3604847.5	50.16386 (15010408)	64.70919 (16012908)	79.55088
(17020308)	103.44213 (17020108)	124.97620 (15121208)	
3604597.5	51.88750 (15011608)	60.49553 (15012401)	79.12841
(15010408)	116.72279 (16012908)	147.61424 (16011607)	
3604347.5	49.58782 (16011108)	61.19236 (16122808)	78.06194
(17012508)	104.76723 (15011608)	146.11953 (15010408)	
3604097.5	49.68228 (16120722)	61.57124 (16120722)	80.61474
(16011421)	98.10054 (17020524)	136.00629 (17013020)	
3603847.5	50.77946 (17122608)	61.50382 (17122608)	75.42680
(17122608)	98.59807 (17122608)	135.83618 (17122608)	
3603597.5	51.52100 (16010308)	59.83605 (17011719)	75.17137
(16021602)	90.48098 (16012803)	124.63876 (15011506)	
3603347.5	51.10748 (17120906)	56.89223 (17122623)	72.57014
(17121720)	97.88773 (17121308)	108.11509 (16021107)	
3603097.5	48.70487 (17122824)	58.41032 (17121308)	66.51912
(15092707)	59.35405 (16021107)	61.44775 (17012504)	
3602847.5	52.92744 (15092707)	55.10776 (15092707)	39.27057
(16011206)	44.36696 (17021905)	48.79066 (15120324)	
3602597.5	35.59613 (15092707)	30.42921 (15022607)	35.13829
(16121224)	36.76403 (15120324)	40.36564 (17012722)	
3602347.5	24.35359 (15121422)	26.86150 (16121224)	29.23423
(15013101)	31.74028 (16122704)	34.27131 (17022103)	
3602097.5	21.30405 (16020405)	23.33557 (15013101)	24.66051
(16021923)	27.10703 (17011624)	31.44670 (16011119)	
3601847.5	19.13400 (15013101)	21.05863 (17010801)	22.13675
(17012722)	27.84877 (17040807)	28.05639 (15041007)	
3601597.5	17.64592 (17010801)	18.65646 (16122704)	21.08424
(17040807)	22.44276 (17022603)	38.46753 (17020408)	
3601347.5	16.09681 (16122704)	16.96683 (16120304)	23.62391
(17040807)	23.44740 (15041007)	43.07929 (17020408)	
3601097.5	14.84816 (17012722)	20.82130 (17040807)	17.74431
(17022603)	28.03987 (17020408)	41.68388 (17020408)	

Otay Hills Quarry AERMOD Output File (HRA)

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Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP15 ***
INCLUDING SOURCE(S): TP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS) 508368.86
508618.86	508868.86		

3606097.5	36.55292 (17070706)	41.57128 (17022408)	21.33911
(17022408)	13.13801 (16112208)	40.00217 (17032607)	
3605847.5	82.73192 (17021508)	104.27236 (16120908)	51.67938
(17022408)	33.64072 (15111919)	89.66343 (17032607)	
3605597.5	82.22999 (17021508)	58.08999 (16021807)	60.37409
(16120106)	67.88139 (15010907)	93.66570 (17032607)	
3605347.5	64.67509 (15021508)	67.47017 (17021508)	73.87345
(17022408)	36.54548 (16091507)	123.46933 (17120924)	
3605097.5	101.25741 (15021508)	134.02927 (16012808)	42.19181
(17022408)	28.95782 (17032607)	31.66224 (17032607)	
3604847.5	188.16949 (16010908)	169.49148 (15121303)	86.29542
(17022408)	48.77205 (17032607)	16.52787 (15022208)	
3604597.5	191.06186 (15121208)	165.27505 (15021508)	68.92112
(15013009)	100.97114 (17032607)	44.46118 (16111708)	
3604347.5	229.63962 (17020308)	329.78349 (15120408)	247.23459
(16011719)	260.34224 (17032607)	70.90682 (15022723)	
3604097.5	235.49579 (17012508)	389.52341 (15121608)	903.95484
(15120408)	1336.97835 (16120120)	371.94396 (15051906)	
3603847.5	210.34653 (15021102)	367.95618 (17122908)	1016.65616
(16021602)	3604.75966 (16121203)	361.34670 (15012717)	
3603597.5	196.31007 (17010708)	239.28043 (16021107)	335.57655
(17022103)	337.42428 (16021308)	169.28028 (16013009)	
3603347.5	99.35189 (15121422)	122.95223 (17010801)	197.48606
(16010102)	277.89445 (17122218)	95.91405 (17012108)	
3603097.5	72.88096 (17010801)	95.28650 (17022103)	115.54342
(15012823)	170.65005 (16022219)	157.03680 (15011507)	
3602847.5	57.06328 (17011624)	78.43662 (17020408)	76.74555
(15022601)	93.93758 (17122205)	91.18248 (16022321)	
3602597.5	49.99828 (16011119)	78.80498 (17020408)	59.25168
(17122005)	69.90563 (17122205)	67.10584 (16122021)	
3602347.5	43.44112 (17020408)	58.07064 (17020408)	46.22931
(16122020)	54.86245 (17122205)	53.47490 (16121418)	
3602097.5	55.21900 (17020408)	36.90557 (17020408)	37.05323
(16022802)	44.24144 (17121519)	43.54328 (17121306)	
3601847.5	53.77171 (17020408)	30.12228 (17122619)	31.01298
(16012923)	36.78270 (17121519)	36.31439 (15021622)	
3601597.5	44.14589 (17020408)	25.80526 (16011319)	26.31412
(16012923)	31.39315 (15121123)	32.04429 (16112308)	
3601347.5	33.03324 (17020408)	22.49105 (16010118)	23.13012
(17010402)	27.27361 (15121123)	30.01316 (16112308)	
3601097.5	22.81935 (17020408)	20.29541 (16010118)	20.68043
(17010402)	24.10680 (15121123)	27.29524 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP15 ***
INCLUDING SOURCE(S): TP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS) 509618.86
509868.86	510118.86		

3606097.5	16.10344 (17032607)	12.46200 (16083007)	10.30873
(16111708)	7.80206 (17020109)	5.42542 (16092207)	
3605847.5	12.26458 (16010705)	64.97516 (15122821)	15.29140
(16083007)	7.47445 (15022224)	8.90954 (16092207)	
3605597.5	68.36247 (15021924)	63.38301 (15052306)	34.90086
(16101307)	19.02065 (16092207)	10.87404 (17121809)	
3605347.5	89.68740 (15033023)	86.47579 (17032207)	79.99853
(17022521)	16.83044 (16092207)	9.42723 (17121809)	
3605097.5	27.01219 (16083007)	12.94671 (15022224)	21.74489
(16092207)	49.87329 (15090405)	13.80472 (15110508)	
3604847.5	15.23902 (16111708)	16.44840 (16092207)	12.12193
(17121809)	11.32251 (15022724)	15.43482 (15022818)	
3604597.5	27.14758 (16092207)	14.27778 (17032908)	9.97607
(15082707)	21.20297 (17032608)	27.24791 (16040707)	
3604347.5	38.59474 (15082707)	28.69516 (17032608)	48.51294
(16040707)	52.01378 (16040707)	32.32684 (16040707)	
3604097.5	195.13489 (16040707)	45.43906 (17082707)	25.85175
(16020417)	21.42707 (17091207)	19.46584 (16090707)	
3603847.5	150.21571 (17012817)	68.00575 (15012317)	32.61970
(15012317)	23.95386 (15062407)	22.04242 (17042907)	
3603597.5	113.69817 (16040807)	53.21811 (15022408)	40.90782
(17122709)	27.88235 (16121017)	22.79419 (15020117)	
3603347.5	65.35432 (16013009)	57.41155 (16041107)	141.55007
(16040807)	49.39715 (15022408)	78.80699 (15012119)	
3603097.5	53.58182 (16021820)	197.53625 (17040307)	122.72194
(16121203)	145.64137 (17011308)	130.52888 (16121122)	
3602847.5	127.30761 (17120621)	93.87866 (16121022)	82.86059
(17122518)	90.28968 (16122817)	70.96340 (17022804)	
3602597.5	67.69515 (16121220)	81.02854 (15020908)	67.02112
(15021604)	68.18431 (17122518)	65.36862 (15013018)	
3602347.5	51.54074 (15022808)	51.64559 (17120621)	66.52842
(17021408)	51.90381 (16010421)	51.37888 (17122518)	
3602097.5	41.85196 (15021419)	39.92906 (17010406)	52.09656
(17120621)	50.69730 (17021408)	80.44356 (15011201)	
3601847.5	36.02689 (15011921)	37.62687 (15022808)	34.35470
(16121008)	43.56348 (15020908)	39.79988 (16121022)	
3601597.5	30.91202 (16122021)	37.41714 (15022808)	27.87165
(17010406)	35.14046 (17120621)	37.04567 (17021408)	
3601347.5	27.85872 (17031208)	28.74968 (15022808)	24.94172
(15022808)	24.82324 (16121008)	31.18750 (17120621)	
3601097.5	23.90084 (16121418)	23.49398 (17011319)	30.12432
(15022808)	21.26125 (17010406)	25.59976 (17120621)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP15 ***
 INCLUDING SOURCE(S): TP15 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS)	510868.86
3606097.5	8.07350 (16092207)	8.92421 (17121809)	7.12524	
(17121809)	6.12324 (17032908)			
3605847.5	9.80190 (17121809)	7.74908 (17121809)	6.70276	
(17032908)	6.49059 (15082707)			
3605597.5	8.50108 (17121809)	7.33967 (17032908)	6.75936	
(15082707)	4.44118 (15082707)			
3605347.5	8.25099 (15082707)	6.72709 (15082707)	4.38113	
(17122309)	7.50020 (17122309)			
3605097.5	7.27856 (16042804)	8.11060 (17122309)	11.32893	
(17122309)	12.07905 (17122309)			
3604847.5	16.80368 (17032608)	17.05340 (16040707)	27.91496	
(16040707)	31.92534 (16040707)			
3604597.5	39.48254 (16040707)	36.57282 (16040707)	25.75469	
(16040707)	15.29086 (16040707)			
3604347.5	15.47312 (16040707)	12.35182 (17082707)	12.32381	
(17082707)	11.71488 (17082707)			
3604097.5	17.45892 (16090707)	15.34810 (16090707)	13.38120	
(16090707)	11.63899 (16090707)			
3603847.5	19.70762 (17042907)	17.49192 (15062407)	16.09877	
(15062407)	14.92854 (15062407)			
3603597.5	18.56979 (15061907)	15.75583 (15061907)	13.49102	
(15061907)	11.34463 (15061907)			
3603347.5	34.69930 (15091922)	13.61658 (16011417)	9.68177	
(17122709)	7.52164 (17122709)			
3603097.5	41.03112 (15022408)	27.76607 (15022408)	13.20447	
(15022408)	10.80501 (17122709)			
3602847.5	96.96446 (17011308)	42.53325 (16040807)	34.14907	
(15022408)	27.99153 (15022408)			
3602597.5	62.60545 (16010101)	23.48375 (16040807)	37.91351	
(16040807)	35.76495 (16040807)			
3602347.5	53.83228 (17122124)	70.14063 (17010220)	34.52624	
(16071324)	54.67741 (17011308)			
3602097.5	82.68404 (17040307)	38.61068 (17122124)	38.66048	
(16122817)	36.24067 (17022804)			
3601847.5	67.48698 (16010601)	34.08720 (17122518)	30.39415	
(17122124)	29.36581 (16122817)			
3601597.5	35.28065 (16121022)	30.06392 (16010601)	30.32083	
(17122518)	24.67660 (17122124)			
3601347.5	31.79810 (17021408)	25.15434 (16121022)	25.17591	
(16010601)	24.92520 (17122518)			
3601097.5	27.54380 (15020908)	25.95648 (17021408)	20.96917	
(16010421)	23.03954 (17011224)			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP15 ***
 INCLUDING SOURCE(S): TP15 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	566.24326 (16020401)	
507708.67	3603932.32	170.28105 (17011708)	
506203.59	3603369.23	38.11670 (16021602)	
507919.87	3604794.52	168.65975 (15011206)	
507037.89	3604916.08	71.28367 (17010508)	
*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***			
*** AERMET - VERSION 18081 *** *** 05/16/19 ***			
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*			
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION			
VALUES FOR SOURCE GROUP: TP16 ***			
INCLUDING SOURCE(S): TP16 ,			
*** NETWORK ID: UCART1 ; NETWORK TYPE:			
GRIDCART ***			
*** CONC OF TAC IN MICROGRAMS/M**3			
Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)
504868.86	505118.86		504618.86
3606097.5	13.64336 (15010408)	14.23423 (16020408)	16.52137
(16120805)	19.83467 (16012908)	21.09218 (17020308)	
3605847.5	17.13163 (15040607)	16.71803 (15040607)	16.35409
(15010408)	17.58130 (16020408)	21.47310 (16012908)	
3605597.5	15.61062 (15040607)	18.29766 (15040607)	20.77407
(15040607)	21.21617 (15040607)	21.59367 (15010408)	
3605347.5	15.92863 (17012508)	15.57738 (17012508)	16.98973
(15011608)	19.43661 (15040607)	24.16455 (15040607)	
3605097.5	17.68343 (16021108)	17.34154 (16122808)	18.62225
(17012508)	19.56520 (17012508)	20.49285 (15011608)	
3604847.5	21.31808 (15040307)	23.13454 (15040307)	23.25408
(15040307)	22.32180 (15040307)	24.09857 (16122808)	
3604597.5	18.25665 (17092707)	19.81579 (17092707)	21.13463
(17092707)	22.32875 (17092707)	27.01343 (15040307)	

Otay Hills Quarry AERMOD Output File (HRA)

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3604347.5 | 20.18474 (16040507) 21.02242 (16040507) 21.98954
(16040507) 22.88950 (16040507) 24.26179 (16011421)
3604097.5 | 16.08119 (17121406) 18.06040 (17121406) 19.66824
(17011708) 21.90228 (17011708) 24.76378 (17011708)
3603847.5 | 20.54382 (17021608) 21.93018 (17021608) 24.01997
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3603597.5 | 15.06770 (15021102) 16.38455 (15021102) 18.44357
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3603347.5 | 15.36301 (17122908) 16.77358 (17122908) 18.27050
(16010308) 19.83969 (16010308) 21.58525 (17021402)
3603097.5 | 14.70987 (17011719) 15.93629 (15012720) 17.25657
(15012720) 19.86814 (16021602) 20.53267 (16021602)
3602847.5 | 13.98662 (16012803) 15.47193 (16012803) 17.33765
(16011702) 18.83586 (17120906) 20.51935 (15011506)
3602597.5 | 14.18575 (17120906) 15.78529 (15092907) 20.50323
(15092907) 24.11364 (15092907) 25.48227 (15092907)
3602347.5 | 19.98258 (15092907) 21.43911 (15092907) 20.76047
(15092907) 17.66834 (15092907) 23.20110 (17092807)
3602097.5 | 16.91851 (15092907) 15.72491 (17092807) 21.02601
(17092807) 24.16277 (17092807) 25.85324 (15092707)
3601847.5 | 19.24990 (17092807) 21.55077 (17092807) 21.59831
(15092707) 27.73789 (15092707) 30.03742 (15092707)
3601597.5 | 18.76973 (15092707) 24.18164 (15092707) 26.71345
(15092707) 24.71207 (15092707) 18.22044 (15092707)
3601347.5 | 24.24454 (15092707) 23.67429 (15092707) 19.31803
(15092707) 12.70616 (15092707) 10.76042 (17122105)
3601097.5 | 19.71847 (15092707) 14.50883 (15092707) 9.23105
(17122302) 9.75458 (15022607) 10.52804 (15121422)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP16 ***
INCLUDING SOURCE(S): TP16 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
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** CONC OF TAC IN MICROGRAMS/M**3
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Y-COORD | X-COORD (METERS)
(METERS) | 505368.86 505618.86 505868.86
506118.86 506368.86
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3606097.5 | 26.95701 (17040507) 30.04079 (17040507) 27.23433
(17020108) 26.60750 (17020202) 36.92463 (16120208)
3605847.5 | 25.11973 (17020308) 25.50214 (17040507) 33.98754
(17040507) 29.99459 (17020108) 31.70947 (17020108)
3605597.5 | 23.04958 (15011008) 28.80705 (16012908) 33.10567
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3605347.5 | 25.15675 (15040607) 27.34319 (15010408) 30.53412
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3605097.5 | 22.71958 (15011608) 28.56155 (15040607) 31.32956
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3604847.5 | 23.09785 (17012508) 27.02213 (17012508) 31.21569
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3604597.5 | 27.83196 (15040307) 30.14789 (15040307) 31.37785
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3604347.5 | 27.93398 (16011421) 31.67818 (15122708) 34.23290
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(17011708) 38.36757 (17011708) 42.27845 (17011708)
3603847.5 | 30.05683 (17122608) 32.98007 (17122608) 34.90249
(17122608) 40.04796 (17122608) 45.05510 (17122608)
3603597.5 | 25.25094 (16012807) 27.77908 (15011603) 31.54893
(17122908) 37.01032 (17122908) 45.61234 (17122908)
3603347.5 | 24.04446 (17011719) 26.84423 (15012720) 30.38186
(15012720) 36.02173 (16021602) 42.19154 (16012803)
3603097.5 | 22.82063 (16012803) 26.58389 (16011702) 29.49794
(17120906) 35.19098 (17122623) 41.24078 (16121801)
3602847.5 | 24.50495 (15092907) 30.18319 (15092907) 30.76344
(15092907) 34.33886 (17010708) 42.05549 (17121308)
3602597.5 | 23.48430 (15092907) 26.20333 (17092807) 32.92696
(17092807) 40.27766 (15092707) 49.42542 (15092707)
3602347.5 | 28.34321 (17092807) 32.00445 (15092707) 39.99259
(15092707) 36.79661 (15092707) 22.05594 (17122302)
3602097.5 | 32.84500 (15092707) 33.29132 (15092707) 25.28474
(15092707) 18.03692 (17122105) 19.79265 (15121422)
3601847.5 | 25.41716 (15092707) 16.27236 (15092707) 15.25680
(15022607) 16.85258 (17012504) 18.07747 (16020405)
3601597.5 | 12.23669 (17122302) 13.07968 (15012201) 14.23789
(17012504) 15.51169 (16020405) 16.18237 (15013101)
3601347.5 | 11.64273 (15121422) 12.45295 (17021905) 13.32130
(16020405) 13.87634 (15013101) 14.93049 (17010801)
3601097.5 | 11.18853 (17021905) 11.74957 (16020405) 12.31588
(15013101) 13.18708 (16121724) 13.89332 (16022007)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

```
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP16 ***
INCLUDING SOURCE(S): TP16 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***
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** CONC OF TAC IN MICROGRAMS/M**3
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```
Y-COORD | X-COORD (METERS)
(METERS) | 506618.86 506868.86 507118.86
507368.86 507618.86
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3606097.5 | 51.10370 (16120208) 37.65364 (15121708) 51.28874
(17021308) 75.49328 (15021508) 69.40519 (17010724)
3605847.5 | 41.73814 (16120208) 57.95048 (16120208) 48.55401
(16010908) 80.51746 (15120107) 73.14515 (16040801)
3605597.5 | 39.70500 (17020108) 47.26256 (16120208) 62.08149
(16120208) 88.02981 (16010908) 97.85154 (15021508)
3605347.5 | 44.02122 (16011607) 50.44415 (17020108) 52.71492
(16120208) 61.71967 (16120708) 65.22918 (15122808)
3605097.5 | 53.08839 (17020308) 58.04186 (15021008) 71.51939
(17020108) 73.07725 (16120208) 88.90662 (15121708)
3604847.5 | 50.06997 (15010408) 64.02560 (16012908) 79.92707
(17020308) 102.36856 (17020108) 124.21281 (15121208)
3604597.5 | 51.72760 (15011608) 60.20342 (15012401) 78.87052
(15010408) 116.00345 (16012908) 146.99586 (16011607)
```


Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	49.31928 (16011108)	61.03313 (16122808)	77.64604
(17012508)	104.74378 (15011608)	145.20934 (15010408)	
3604097.5	49.54424 (16120722)	61.51001 (16120722)	80.28797
(16011421)	97.57710 (17020524)	134.83897 (17013020)	
3603847.5	50.50343 (17122608)	61.10784 (17122608)	74.85121
(17122608)	97.63468 (17122608)	134.06107 (17122608)	
3603597.5	51.28935 (16010308)	59.60104 (17011719)	74.84989
(16021602)	90.01445 (16012803)	123.79464 (15011506)	
3603347.5	50.92362 (17120906)	56.66803 (17122623)	72.23012
(17121720)	97.30786 (17121308)	107.50348 (16021107)	
3603097.5	48.52362 (17122824)	58.16386 (17121308)	66.29523
(15092707)	59.29205 (16021107)	61.16018 (17012504)	
3602847.5	52.75747 (15092707)	55.04932 (15092707)	39.11833
(16011206)	44.20454 (17021905)	48.59793 (15120324)	
3602597.5	35.63466 (15092707)	30.34207 (15022607)	35.01505
(16121224)	36.60162 (15120324)	40.14128 (17012722)	
3602347.5	24.27430 (15121422)	26.79691 (16121224)	29.14668
(15013101)	31.60763 (16122704)	33.98665 (17022103)	
3602097.5	21.24484 (16020405)	23.26524 (15013101)	24.60882
(16021923)	27.05628 (16120304)	31.39730 (16011119)	
3601847.5	19.07693 (15013101)	21.02291 (17010801)	22.07924
(17012722)	27.78552 (17040807)	27.96713 (15041007)	
3601597.5	17.60257 (17010801)	18.63670 (16122704)	20.86823
(17040807)	22.37462 (17022603)	38.04844 (17020408)	
3601347.5	16.05664 (16122704)	16.94610 (16120304)	23.64704
(17040807)	23.35986 (15041007)	42.86919 (17020408)	
3601097.5	14.82648 (17012722)	20.70067 (17040807)	17.70122
(17022603)	27.70266 (17020408)	41.68796 (17020408)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP16 ***
INCLUDING SOURCE(S): TP16 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
-	-	-	-
-	-	-	-

3606097.5	36.69254 (17070706)	40.84649 (17022408)	21.71086
(17022408)	13.34611 (16112208)	39.79651 (17032607)	
3605847.5	83.06426 (17021508)	105.07333 (16120908)	52.43051
(17022408)	33.87304 (15111919)	89.75095 (17032607)	
3605597.5	81.01904 (17021508)	58.57573 (16021807)	60.55881
(16120106)	67.99766 (15010907)	94.53921 (17032607)	
3605347.5	65.83098 (15021508)	68.82364 (17021508)	74.18569
(17022408)	35.73417 (16091507)	124.40766 (17120924)	
3605097.5	100.66849 (15021508)	133.46788 (16012808)	41.94020
(17022408)	27.89179 (16112208)	32.98440 (17032607)	
3604847.5	189.65897 (16120708)	168.70073 (15121303)	84.22071
(17022408)	46.67342 (17032607)	16.36737 (15022208)	
3604597.5	190.12587 (15121208)	161.24217 (15021508)	68.12716
(15013009)	97.49568 (17032607)	44.46024 (16111708)	

3604347.5	230.44583 (17020308)	324.84162 (15120408)	250.47687
(16011719)	287.94163 (17032607)	71.88701 (15022723)	
3604097.5	233.54095 (16122808)	385.59067 (15121608)	896.46896
(15120408)	1334.99631 (16120120)	379.77431 (15051906)	
3603847.5	208.57637 (15021102)	364.46417 (17122908)	987.34712
(16012803)	3738.50855 (16122817)	356.58570 (15012717)	
3603597.5	194.55097 (17010708)	238.10544 (16021107)	328.79196
(17011624)	334.39152 (16021308)	157.79563 (16013009)	
3603347.5	98.56161 (15121422)	122.42814 (17010801)	195.77195
(16010102)	276.97209 (15021621)	97.95941 (17012108)	
3603097.5	72.35490 (16011601)	94.82029 (17022103)	115.31014
(15012823)	170.36878 (16022219)	157.10504 (15011507)	
3602847.5	56.76401 (17011624)	77.04914 (17020408)	76.38861
(15022601)	93.91773 (17122205)	91.06210 (17011319)	
3602597.5	49.82424 (16011119)	78.72365 (17020408)	59.00801
(17122005)	69.67038 (17122205)	67.14456 (17123106)	
3602347.5	42.63389 (17020408)	58.65990 (17020408)	46.12928
(16122020)	54.76918 (17121519)	53.52251 (16121418)	
3602097.5	54.76443 (17020408)	37.55894 (17020408)	36.98286
(16022802)	44.16928 (17121519)	43.46181 (17121306)	
3601847.5	53.76135 (17020408)	30.05471 (17122619)	30.92980
(16012923)	36.70777 (15121123)	36.21891 (15021622)	
3601597.5	44.41280 (17020408)	25.77651 (16011319)	26.30275
(16012923)	31.42662 (15121123)	32.11778 (16112308)	
3601347.5	33.39196 (17020408)	22.45800 (15022601)	23.07846
(17010402)	27.28608 (15121123)	29.98469 (16112308)	
3601097.5	23.15259 (17020408)	20.27002 (16010118)	20.66099
(17010402)	24.10561 (15121123)	27.20335 (16112308)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP16 ***
INCLUDING SOURCE(S): TP16 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
-	-	-	-
-	-	-	-

3606097.5	16.60120 (17032607)	12.34837 (15121322)	10.34285
(16111708)	7.81756 (17020109)	5.37133 (16092207)	
3605847.5	12.29457 (16010705)	65.26397 (15122821)	15.42050
(16083007)	7.48108 (15022224)	8.90929 (16092207)	
3605597.5	68.83000 (15021924)	63.57793 (15052306)	34.93648
(16101307)	18.96478 (16092207)	10.88109 (17121809)	
3605347.5	91.25887 (15033023)	86.66621 (17032207)	80.94596
(17022521)	16.99914 (16092207)	9.47931 (17121809)	
3605097.5	27.05577 (16083007)	12.98425 (15022224)	21.94427
(16092207)	50.13912 (17090523)	13.81656 (15110508)	
3604847.5	15.68096 (16111708)	16.59071 (16092207)	12.21808
(17121809)	11.42577 (15022724)	15.53386 (15022818)	
3604597.5	27.26295 (16092207)	14.30959 (17121809)	10.04474
(15082707)	21.26678 (17032608)	27.29992 (16040707)	

Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	38.68466 (15082707)	28.70763 (17032608)	48.67213
(16040707)	52.10344 (16040707)	32.28914 (16040707)	
3604097.5	196.16589 (16040707)	45.79648 (17082707)	26.10356
(16020417)	21.56467 (17091207)	19.51812 (16090707)	
3603847.5	155.16152 (17012817)	68.27000 (15012317)	33.01575
(15012317)	23.93685 (15062407)	22.13723 (17042907)	
3603597.5	114.26006 (16040807)	55.11800 (15022408)	41.14313
(17122709)	27.71607 (16121017)	22.96005 (15020117)	
3603347.5	61.86385 (16013009)	58.43388 (16041107)	142.55571
(16040807)	49.95158 (15022408)	79.38853 (15012119)	
3603097.5	54.10368 (16021820)	194.29310 (17040307)	122.95123
(16121203)	145.83453 (17011308)	131.42989 (15121020)	
3602847.5	124.90850 (17120621)	93.76833 (16121022)	83.11726
(17122518)	90.17290 (16122817)	71.50466 (17022804)	
3602597.5	67.76918 (16121220)	80.53921 (15020908)	67.49961
(15021604)	68.30475 (17122518)	65.12780 (15013018)	
3602347.5	51.48097 (15022808)	50.60224 (17120621)	66.32374
(17021408)	51.68634 (16010421)	51.44942 (17122518)	
3602097.5	41.80761 (16022321)	39.86877 (16121220)	51.95479
(17120621)	50.98026 (17021408)	79.72425 (15011201)	
3601847.5	36.05354 (15011921)	38.05626 (15022808)	34.24540
(16121008)	43.48297 (15020908)	39.64277 (17021822)	
3601597.5	30.84754 (16122021)	37.25140 (15022808)	27.83819
(17010406)	34.90819 (17120621)	36.91383 (17021408)	
3601347.5	27.74071 (17031208)	28.28170 (15022808)	25.37474
(15022808)	24.73568 (16121008)	31.26018 (17120621)	
3601097.5	23.91474 (16121418)	23.49427 (17011319)	30.26392
(15022808)	21.26150 (17010406)	25.37145 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP16 ***
 INCLUDING SOURCE(S): TP16 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS)	510868.86
511118.86				

3606097.5	8.08982 (16092207)	8.93349 (17121809)	7.15332
(17121809)	6.12567 (17032908)		
3605847.5	9.81061 (17121809)	7.78268 (17121809)	6.70839
(17032908)	6.50029 (15082707)		
3605597.5	8.54227 (17121809)	7.35010 (17032908)	6.77567
(15082707)	4.45946 (15082707)		
3605347.5	8.25492 (15082707)	6.75107 (15082707)	4.37282
(17122309)	7.49768 (17122309)		
3605097.5	7.28784 (16042804)	8.10546 (17122309)	11.33597
(17122309)	12.09222 (17122309)		
3604847.5	16.80724 (17032608)	17.07469 (16040707)	27.96188
(16040707)	31.96684 (16040707)		
3604597.5	39.56062 (16040707)	36.60488 (16040707)	25.73845
(16040707)	15.25721 (16040707)		

3604347.5	15.41078 (16040707)	12.39366 (17082707)	12.35131
(17082707)	11.72946 (17082707)		
3604097.5	17.47116 (16090707)	15.33662 (16090707)	13.35673
(16090707)	11.60815 (16090707)		
3603847.5	19.85041 (17042907)	17.50504 (15062407)	16.11395
(15062407)	14.94458 (15062407)		
3603597.5	18.44176 (15061907)	15.73854 (15061907)	13.51385
(15061907)	11.38596 (15061907)		
3603347.5	34.84244 (15091922)	13.68897 (16011417)	9.75666
(17122709)	7.59218 (17122709)		
3603097.5	41.14550 (15022408)	28.25270 (15022408)	13.57072
(15022408)	10.80971 (17122709)		
3602847.5	97.91461 (17011308)	42.82962 (16040807)	34.11177
(15022408)	28.27780 (15022408)		
3602597.5	62.69112 (16010101)	22.95185 (16040807)	37.68172
(16040807)	36.00207 (16040807)		
3602347.5	54.03086 (17122124)	70.43258 (17010220)	34.88475
(15011223)	54.94393 (17011308)		
3602097.5	81.64748 (17040307)	38.58779 (17122124)	38.68238
(16122817)	36.24619 (17022804)		
3601847.5	67.10225 (16010601)	34.11801 (17122518)	30.31360
(17122124)	29.32042 (15013018)		
3601597.5	35.31261 (16121022)	30.05224 (16010601)	30.33924
(17122518)	24.57668 (17122124)		
3601347.5	31.85715 (17021408)	25.29772 (16121022)	25.20660
(16010601)	24.94082 (17122518)		
3601097.5	27.54244 (15020908)	26.10707 (17021408)	20.82655
(16010421)	22.98180 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP16 ***
 INCLUDING SOURCE(S): TP16 ,
 *** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	556.82531 (16020401)	
507708.67	3603932.32	168.40097 (17011708)	
506203.59	3603369.23	37.97875 (16021602)	
507919.87	3604794.52	168.93500 (15011206)	
507037.89	3604916.08	71.12709 (17020308)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP17 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 504118.86 504368.86 X-COORD (METERS) 504618.86

504868.86 505118.86

3606097.5 | 13.37136 (16020408) 14.07556 (15011008) 16.76033

(16012908) 19.55677 (16012908) 20.30099 (17020308)

3605847.5 | 16.65933 (15040607) 15.81340 (15040607) 16.01520

(16020408) 17.70181 (15011008) 21.98247 (16012908)

3605597.5 | 16.13158 (15040607) 18.42045 (15040607) 20.29472

(15040607) 20.04687 (15040607) 20.97357 (16020408)

3605347.5 | 15.54420 (17012508) 15.71833 (15011608) 17.17646

(15040607) 19.85332 (15040607) 23.80211 (15040607)

3605097.5 | 16.12919 (16122808) 16.77560 (17010407) 18.81931

(17012508) 19.11555 (17012508) 20.59046 (15011608)

3604847.5 | 21.81928 (15040307) 22.82898 (15040307) 22.00843

(15040307) 20.40335 (16122808) 23.01324 (16122808)

3604597.5 | 18.79583 (17092707) 19.84606 (17092707) 20.49365

(17092707) 23.54538 (15040307) 28.43267 (15040307)

3604347.5 | 19.91809 (16040507) 20.33988 (16040507) 20.78458

(16040507) 21.04445 (16040507) 24.02554 (16011421)

3604097.5 | 16.37820 (17011708) 18.47801 (17011708) 20.00370

(17011708) 22.07773 (17011708) 24.68174 (17011708)

3603847.5 | 19.48747 (17021608) 20.79499 (17021608) 22.75973

(17021608) 23.88304 (17021608) 26.15414 (17122608)

3603597.5 | 15.46561 (17021608) 16.03979 (15021102) 18.22141

(15021102) 20.23224 (15021102) 21.91871 (15021102)

3603347.5 | 15.08336 (17122908) 16.71012 (17122908) 18.46651

(17122908) 19.89045 (17122908) 21.74469 (16010308)

3603097.5 | 14.52900 (17011719) 15.85141 (17011719) 17.20140

(15012720) 19.58677 (15012720) 20.99181 (16021602)

3602847.5 | 14.18187 (16021602) 15.18169 (16012803) 17.09296

(16012803) 18.55094 (16011702) 20.38121 (17120906)

3602597.5 | 14.09654 (17120906) 15.18191 (15011506) 18.24464

(15092907) 22.73830 (15092907) 25.74452 (15092907)

3602347.5 | 18.83952 (15092907) 21.29384 (15092907) 21.90537

(15092907) 20.00456 (15092907) 20.48928 (17092807)

3602097.5 | 18.38282 (15092907) 15.86491 (15092907) 19.04868

(17092807) 23.59155 (17092807) 24.93898 (17092807)

3601847.5 | 17.76468 (17092807) 21.19115 (17092807) 21.74243

(17092807) 26.05443 (15092707) 30.50548 (15092707)

3601597.5 | 19.64922 (17092807) 22.54070 (15092707) 26.56440

(15092707) 26.44517 (15092707) 21.18906 (15092707)

3601347.5 | 23.74359 (15092707) 24.64842 (15092707) 21.53960

(15092707) 15.28797 (15092707) 10.82241 (17122105)

3601097.5 | 21.31081 (15092707) 16.71272 (15092707) 10.78856

(15092707) 9.73957 (17122105) 10.46013 (15121422)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP17 ***

INCLUDING SOURCE(S): TP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 505368.86 505618.86 X-COORD (METERS) 505868.86

506118.86 506368.86

3606097.5 | 27.64516 (17040507) 28.71594 (17040507) 27.06828

(17020108) 26.49766 (16121408) 38.24167 (16120208)

3605847.5 | 24.90988 (17020308) 27.08060 (17040507) 33.29237

(17040507) 30.31603 (17020108) 30.60552 (16121408)

3605597.5 | 23.07627 (15011008) 28.89311 (16012908) 31.74344

(17020308) 37.28525 (17040507) 34.02271 (17020108)

3605347.5 | 24.09202 (15121608) 26.52798 (16020408) 30.78618

(16011506) 37.90854 (16012908) 39.14195 (17010508)

3605097.5 | 22.67381 (15040607) 28.49812 (15040607) 31.23458

(15121608) 34.89036 (16020408) 42.03898 (16012908)

3604847.5 | 23.67738 (17012508) 26.33620 (17012508) 30.76499

(15011608) 33.94082 (17012703) 41.41649 (15121608)

3604597.5 | 27.89749 (15040307) 28.39516 (15040307) 30.85767

(16122808) 34.49427 (17012508) 41.43172 (17012508)

3604347.5 | 27.37281 (15122708) 31.03872 (17020524) 33.55096

(17020524) 34.11610 (16020401) 40.90438 (17013020)

3604097.5 | 27.83438 (17011708) 33.43757 (17011708) 36.39808

(17011708) 36.13835 (16120722) 40.43786 (16120722)

3603847.5 | 30.15247 (17122608) 33.13466 (17122608) 35.20405

(17122608) 40.47895 (17122608) 45.76506 (17122608)

3603597.5 | 24.80614 (15021102) 27.29608 (16012807) 30.13941

(16012807) 35.43802 (17122908) 45.06665 (17122908)

3603347.5 | 23.72169 (16010308) 26.63546 (17011719) 30.05553

(17011719) 35.70484 (16021602) 41.67388 (16021602)

3603097.5 | 22.21886 (16012803) 26.14515 (16012803) 29.23540

(17120906) 35.07355 (15011506) 41.25681 (16021406)

3602847.5 | 22.32633 (15011506) 28.52778 (15092907) 32.06977

(15092907) 33.80843 (17122824) 40.65210 (17010708)

3602597.5 | 25.76536 (15092907) 24.83504 (17010704) 31.32647

(17092807) 35.21242 (17092807) 49.32238 (15092707)

3602347.5 | 27.37808 (17092807) 29.44494 (17092807) 38.68881

(15092707) 40.43751 (15092707) 27.65322 (15092707)

3602097.5 | 31.20500 (15092707) 34.88027 (15092707) 29.71496

(15092707) 18.27933 (17122302) 19.71437 (15121422)

3601847.5 | 28.25846 (15092707) 20.06390 (15092707) 15.24109

(17122105) 16.85624 (15121422) 18.09256 (16121224)

3601597.5 | 13.13966 (15092707) 12.99978 (15022607) 14.29675

(17012504) 15.47147 (16121224) 16.42462 (17121505)

3601347.5 | 11.53367 (15012201) 12.45910 (17012504) 13.36957

(16020405) 14.16062 (17121505) 15.05754 (15120324)

3601097.5 | 11.16452 (17021905) 11.85125 (16020405) 12.63681

(17121505) 13.38954 (15120324) 13.92360 (16021923)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP17 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP17 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF TAC		IN MICROGRAMS/M**3	
Y-COORD (METERS)	X-COORD (METERS)	Y-COORD (METERS)	X-COORD (METERS)
507368.86	507618.86	507368.86	507618.86
3606097.5 49.63467 (16120208)	36.34297 (15121708)	3606097.5 38.99518 (17070706)	42.51163 (15022002)
(17021308) 72.97400 (15021508)	66.29675 (17010724)	(17022408) 13.94027 (16112208)	37.23440 (17032607)
3605847.5 43.22723 (16120208)	55.60471 (16120208)	3605847.5 81.73309 (17021508)	100.29165 (16120908)
(16010908) 74.55877 (15120107)	70.17708 (17021122)	(17022408) 35.75540 (15111919)	86.98349 (17032607)
3605597.5 37.23407 (17020108)	48.94698 (16120208)	3605597.5 79.46607 (17021508)	56.69241 (16021807)
(16120208) 66.02774 (15122808)	95.77923 (15021508)	(16120106) 65.17496 (15010907)	99.12803 (17020819)
3605347.5 42.59510 (16011607)	47.76090 (17020108)	3605347.5 62.76798 (15021508)	67.67363 (17021508)
(16120208) 60.98175 (15121708)	61.76878 (17022201)	(17022408) 36.00045 (16112208)	122.56959 (17120924)
3605097.5 51.20754 (17020308)	55.38802 (15120308)	3605097.5 97.63552 (15021508)	139.91214 (16012808)
(17020108) 75.26015 (16120208)	84.59881 (15121708)	(17022408) 29.61628 (16112208)	41.96241 (17032607)
3604847.5 48.28186 (16020408)	64.96908 (16012908)	3604847.5 186.30645 (16010908)	169.39105 (15121303)
(15021008) 100.41810 (17020108)	120.64927 (16120208)	(17022408) 41.61130 (16112208)	25.93166 (17032607)
3604597.5 49.22502 (15011608)	59.62183 (15121608)	3604597.5 183.75950 (15120408)	161.50075 (15021508)
(16020408) 111.54061 (17020308)	143.49006 (17020108)	(15013009) 66.44313 (17032607)	34.91119 (16111708)
3604347.5 49.65657 (16122808)	57.76293 (16122808)	3604347.5 205.31888 (15021008)	295.67740 (15120408)
(17012508) 97.95870 (17012703)	136.33270 (16020408)	(17010208) 198.69198 (17032607)	61.29826 (17022620)
3604097.5 48.01459 (16011421)	60.81784 (16011421)	3604097.5 217.24129 (17012508)	361.36481 (16012908)
(17020524) 94.01459 (16020401)	136.90448 (16122808)	(15123008) 1039.88471 (15122908)	427.82537 (17120708)
3603847.5 51.77733 (17122608)	62.99178 (17122608)	3603847.5 224.33334 (17122608)	375.98535 (17122608)
(17122608) 102.82453 (17122608)	144.12370 (17122608)	(17122608) 5801.22349 (17022520)	394.05169 (15061006)
3603597.5 51.80266 (17122908)	59.62356 (16010308)	3603597.5 187.33197 (16021406)	278.31971 (16122619)
(17011719) 89.90001 (16021602)	120.92879 (16011702)	(17010801) 368.62581 (17060306)	201.92531 (16013009)
3603347.5 49.39935 (16011702)	56.30837 (17120906)	3603347.5 100.40150 (16021107)	128.19745 (15120324)
(16021406) 93.30361 (17122824)	109.52269 (17121308)	(16012324) 302.88951 (16022219)	105.56239 (17012108)
3603097.5 48.12013 (17121720)	56.60065 (17010708)	3603097.5 73.64968 (16020219)	93.16631 (17022103)
(17121308) 71.40926 (16021107)	60.94873 (15121422)	(16120124) 181.07795 (17122205)	166.98369 (15011507)
3602847.5 47.60527 (17121308)	58.44922 (15092707)	3602847.5 58.14087 (17012722)	73.82995 (15021805)
(15092707) 44.38627 (17012504)	48.44615 (15013101)	(17122619) 99.05311 (17122205)	96.12881 (17011319)
3602597.5 42.50378 (15092707)	30.44177 (16011206)	3602597.5 50.77501 (17022103)	78.44568 (17020408)
(17021905) 36.54227 (17121505)	41.20434 (16122704)	(16010118) 72.57555 (17121519)	70.50085 (17123106)
3602347.5 23.91250 (15022607)	26.91585 (17021905)	3602347.5 41.55224 (15021805)	65.05588 (17020408)
(17121505) 31.55805 (16021923)	34.50479 (17011624)	(17122005) 56.99172 (15121123)	55.75020 (16121418)
3602097.5 21.29276 (16121224)	23.39861 (17121505)	3602097.5 50.53562 (17020408)	44.31547 (17020408)
(17010801) 27.39437 (17012722)	31.95259 (17022103)	(16122020) 45.89728 (15121123)	44.85914 (15021622)
3601847.5 19.26845 (17121505)	21.11310 (17010801)	3601847.5 54.09736 (17020408)	30.43585 (17020905)
(16122704) 26.64512 (17040807)	27.69836 (15021805)	(16022802) 38.11030 (15121123)	37.04981 (15021622)
3601597.5 17.45208 (16121724)	18.89130 (16122704)	3601597.5 47.43821 (17020408)	26.48617 (17122619)
(17011624) 22.98966 (17040807)	34.00783 (17020408)	(16012923) 32.40414 (15121123)	32.69917 (16112308)
3601347.5 15.94379 (16022007)	17.07930 (16120304)	3601347.5 37.17920 (17020408)	22.79200 (15022601)
(17040807) 22.50724 (15041007)	41.05806 (17020408)	(16012923) 27.98874 (15121123)	30.19903 (16112308)
3601097.5 14.85509 (17012722)	18.89496 (17040807)	3601097.5 26.55009 (17020408)	20.48527 (16010118)
(17040807) 24.39264 (17020408)	42.05415 (17020408)	(17010402) 24.60788 (15121123)	27.16607 (16112308)

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP17 ***

INCLUDING SOURCE(S): TP17 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

** CONC OF TAC		IN MICROGRAMS/M**3	
Y-COORD (METERS)	X-COORD (METERS)	Y-COORD (METERS)	X-COORD (METERS)
508618.86	508868.86	508618.86	508868.86
3606097.5 38.99518 (17070706)	42.51163 (15022002)	3606097.5 38.99518 (17070706)	42.51163 (15022002)
(17022408) 13.94027 (16112208)	37.23440 (17032607)	(17022408) 13.94027 (16112208)	37.23440 (17032607)
3605847.5 81.73309 (17021508)	100.29165 (16120908)	3605847.5 81.73309 (17021508)	100.29165 (16120908)
(17022408) 35.75540 (15111919)	86.98349 (17032607)	(17022408) 35.75540 (15111919)	86.98349 (17032607)
3605597.5 79.46607 (17021508)	56.69241 (16021807)	3605597.5 79.46607 (17021508)	56.69241 (16021807)
(16120106) 65.17496 (15010907)	99.12803 (17020819)	(16120106) 65.17496 (15010907)	99.12803 (17020819)
3605347.5 62.76798 (15021508)	67.67363 (17021508)	3605347.5 62.76798 (15021508)	67.67363 (17021508)
(17022408) 36.00045 (16112208)	122.56959 (17120924)	(17022408) 36.00045 (16112208)	122.56959 (17120924)
3605097.5 97.63552 (15021508)	139.91214 (16012808)	3605097.5 97.63552 (15021508)	139.91214 (16012808)
(17022408) 29.61628 (16112208)	41.96241 (17032607)	(17022408) 29.61628 (16112208)	41.96241 (17032607)
3604847.5 186.30645 (16010908)	169.39105 (15121303)	3604847.5 186.30645 (16010908)	169.39105 (15121303)
(17022408) 41.61130 (16112208)	25.93166 (17032607)	(17022408) 41.61130 (16112208)	25.93166 (17032607)
3604597.5 183.75950 (15120408)	161.50075 (15021508)	3604597.5 183.75950 (15120408)	161.50075 (15021508)
(15013009) 66.44313 (17032607)	34.91119 (16111708)	(15013009) 66.44313 (17032607)	34.91119 (16111708)
3604347.5 205.31888 (15021008)	295.67740 (15120408)	3604347.5 205.31888 (15021008)	295.67740 (15120408)
(17010208) 198.69198 (17032607)	61.29826 (17022620)	(17010208) 198.69198 (17032607)	61.29826 (17022620)
3604097.5 217.24129 (17012508)	361.36481 (16012908)	3604097.5 217.24129 (17012508)	361.36481 (16012908)
(15123008) 1039.88471 (15122908)	427.82537 (17120708)	(15123008) 1039.88471 (15122908)	427.82537 (17120708)
3603847.5 224.33334 (17122608)	375.98535 (17122608)	3603847.5 224.33334 (17122608)	375.98535 (17122608)
(17122608) 5801.22349 (17022520)	394.05169 (15061006)	(17122608) 5801.22349 (17022520)	394.05169 (15061006)
3603597.5 187.33197 (16021406)	278.31971 (16122619)	3603597.5 187.33197 (16021406)	278.31971 (16122619)
(17010801) 368.62581 (17060306)	201.92531 (16013009)	(17010801) 368.62581 (17060306)	201.92531 (16013009)
3603347.5 100.40150 (16021107)	128.19745 (15120324)	3603347.5 100.40150 (16021107)	128.19745 (15120324)
(16012324) 302.88951 (16022219)	105.56239 (17012108)	(16012324) 302.88951 (16022219)	105.56239 (17012108)
3603097.5 73.64968 (16020219)	93.16631 (17022103)	3603097.5 73.64968 (16020219)	93.16631 (17022103)
(16120124) 181.07795 (17122205)	166.98369 (15011507)	(16120124) 181.07795 (17122205)	166.98369 (15011507)
3602847.5 58.14087 (17012722)	73.82995 (15021805)	3602847.5 58.14087 (17012722)	73.82995 (15021805)
(17122619) 99.05311 (17122205)	96.12881 (17011319)	(17122619) 99.05311 (17122205)	96.12881 (17011319)
3602597.5 50.77501 (17022103)	78.44568 (17020408)	3602597.5 50.77501 (17022103)	78.44568 (17020408)
(16010118) 72.57555 (17121519)	70.50085 (17123106)	(16010118) 72.57555 (17121519)	70.50085 (17123106)
3602347.5 41.55224 (15021805)	65.05588 (17020408)	3602347.5 41.55224 (15021805)	65.05588 (17020408)
(17122005) 56.99172 (15121123)	55.75020 (16121418)	(17122005) 56.99172 (15121123)	55.75020 (16121418)
3602097.5 50.53562 (17020408)	44.31547 (17020408)	3602097.5 50.53562 (17020408)	44.31547 (17020408)
(16122020) 45.89728 (15121123)	44.85914 (15021622)	(16122020) 45.89728 (15121123)	44.85914 (15021622)
3601847.5 54.09736 (17020408)	30.43585 (17020905)	3601847.5 54.09736 (17020408)	30.43585 (17020905)
(16022802) 38.11030 (15121123)	37.04981 (15021622)	(16022802) 38.11030 (15121123)	37.04981 (15021622)
3601597.5 47.43821 (17020408)	26.48617 (17122619)	3601597.5 47.43821 (17020408)	26.48617 (17122619)
(16012923) 32.40414 (15121123)	32.69917 (16112308)	(16012923) 32.40414 (15121123)	32.69917 (16112308)
3601347.5 37.17920 (17020408)	22.79200 (15022601)	3601347.5 37.17920 (17020408)	22.79200 (15022601)
(16012923) 27.98874 (15121123)	30.19903 (16112308)	(16012923) 27.98874 (15121123)	30.19903 (16112308)
3601097.5 26.55009 (17020408)	20.48527 (16010118)	3601097.5 26.55009 (17020408)	20.48527 (16010118)
(17010402) 24.60788 (15121123)	27.16607 (16112308)	(17010402) 24.60788 (15121123)	27.16607 (16112308)

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 *** AERMET - VERSION 18081 ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP17 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 509118.86 509368.86 X-COORD (METERS) 509618.86

509868.86 510118.86

3606097.5 | 20.33558 (17032607) 13.66691 (15121322) 10.35052

(16111708) 7.79386 (17020109) 5.88661 (17020109)

3605847.5 | 13.53559 (17032607) 67.01539 (15033023) 16.59898

(16083007) 7.57343 (17020109) 8.38611 (16092207)

3605597.5 | 69.11321 (15021924) 64.73063 (17060105) 36.83212

(15092321) 18.22006 (15022123) 10.47806 (17121809)

3605347.5 | 98.49358 (15033023) 85.68946 (16120518) 86.49687

(17022521) 19.69169 (16092207) 10.43364 (17121809)

3605097.5 | 25.82398 (16083007) 11.30961 (17020109) 24.26988

(16092207) 51.02389 (17090523) 12.96540 (15110508)

3604847.5 | 19.68558 (16111708) 16.65193 (16092207) 13.99202

(17121809) 11.84696 (15022724) 14.98474 (15022818)

3604597.5 | 22.15875 (16092207) 17.09505 (17121809) 12.01648

(15082707) 14.47163 (17032608) 21.13917 (17032608)

3604347.5 | 39.26709 (17012305) 34.91218 (15022818) 42.39124

(17032608) 51.53504 (16040707) 42.22761 (16040707)

3604097.5 | 142.33463 (16040707) 73.14697 (16040707) 26.14349

(16040707) 19.24477 (17082707) 17.92474 (16090707)

3603847.5 | 167.83558 (15012017) 87.07662 (15012017) 35.51063

(17030408) 24.76547 (17030408) 21.29115 (15062407)

3603597.5 | 103.19569 (16040807) 49.55387 (15122117) 38.43034

(17122709) 30.67743 (15020117) 21.30900 (15061907)

3603347.5 | 89.93269 (16013009) 58.68925 (16040807) 142.66339

(16100807) 43.22809 (15022408) 83.81762 (15012119)

3603097.5 | 56.63200 (16021820) 151.69472 (17122518) 123.31941

(16121203) 149.19762 (17011308) 141.62928 (16121122)

3602847.5 | 136.66451 (17120621) 97.78034 (16121022) 83.32450

(17122518) 94.28380 (16122817) 73.19552 (17121101)

3602597.5 | 70.04495 (16121220) 85.05751 (15020908) 69.34506

(16010421) 68.19081 (17122518) 67.23346 (15013018)

3602347.5 | 53.15506 (17010624) 53.92962 (17120621) 68.53769

(17021408) 53.74053 (16010421) 51.45080 (17122518)

3602097.5 | 43.26807 (16022321) 40.90687 (17010406) 53.46785

(17120621) 51.22490 (17021408) 83.36069 (15011201)

3601847.5 | 37.07020 (15011921) 38.54748 (15022808) 35.08147

(16121008) 44.71491 (15020908) 40.62773 (16121022)

3601597.5 | 31.49825 (17123106) 37.58023 (15022808) 28.44797

(17010406) 36.09281 (17120621) 38.00643 (17021408)

3601347.5 | 27.79012 (17031208) 28.24369 (15022808) 25.60303

(15022808) 25.26010 (16121008) 31.88897 (15020908)

3601097.5 | 24.41007 (16121418) 23.92462 (17011319) 30.56149

(15022808) 21.60333 (17010406) 26.16997 (17120621)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP17 ***

INCLUDING SOURCE(S): TP17 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 510368.86 510618.86 X-COORD (METERS) 510868.86

511118.86

3606097.5 | 8.01992 (16092207) 8.80418 (17121809) 7.67761

(17121809) 5.93489 (17032908)

3605847.5 | 9.57622 (17121809) 8.40535 (17121809) 6.56604

(17032908) 6.53517 (15082707)

3605597.5 | 9.30044 (17121809) 7.29857 (17032908) 7.05760

(15082707) 5.17866 (15082707)

3605347.5 | 8.14202 (17032908) 7.39171 (15082707) 4.57095

(15082707) 6.12994 (17122309)

3605097.5 | 7.32019 (15082707) 6.28770 (17122309) 9.96284

(17122309) 11.75280 (17122309)

3604847.5 | 13.59059 (16082307) 13.94164 (17122309) 22.20121

(16040707) 29.80033 (16040707)

3604597.5 | 33.44673 (16040707) 38.12285 (16040707) 31.24090

(16040707) 20.75691 (16040707)

3604347.5 | 24.11163 (16040707) 11.45370 (16040707) 11.52044

(17082707) 11.48684 (17082707)

3604097.5 | 17.37142 (16090707) 16.08775 (16090707) 14.54619

(16090707) 12.98812 (16090707)

3603847.5 | 19.04043 (15062407) 17.27017 (15062407) 15.83540

(15062407) 14.64510 (15062407)

3603597.5 | 20.94063 (15061907) 16.72176 (15061907) 13.55441

(15061907) 11.78286 (17042907)

3603347.5 | 38.03989 (15091922) 13.60711 (17082908) 8.78494

(17122709) 6.63654 (17122709)

3603097.5 | 39.64882 (15022408) 22.88826 (15022408) 11.49126

(17122709) 10.86967 (17122709)

3602847.5 | 101.87019 (15121020) 40.01557 (16040807) 34.45491

(15022408) 25.11647 (15022408)

3602597.5 | 68.18057 (16010101) 28.09699 (16040807) 39.99404

(16040807) 33.79744 (16040807)

3602347.5 | 54.99606 (15013018) 71.34780 (17010220) 36.65378

(16071324) 57.49853 (17011308)

3602097.5 | 89.01373 (17040307) 38.82195 (17122124) 38.76577

(16121203) 36.43840 (17022804)

3601847.5 | 68.13004 (16010601) 34.16674 (17122518) 30.96904

(17122124) 29.89647 (16122817)

3601597.5 | 35.44443 (16121022) 30.46694 (16010601) 30.34639

(17122518) 25.39927 (17122124)

3601347.5 | 32.21342 (17021408) 25.27083 (16121022) 25.69811

(17011224) 24.98354 (17122518)

3601097.5 | 28.11322 (15020908) 26.02128 (17021408) 21.74315

(16010421) 23.40489 (17011224)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP17 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP17 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
508226.78	3603955.63	518.97854	(17012508)	
507708.67	3603932.32	161.05330	(17011708)	
506203.59	3603369.23	37.60456	(15012720)	
507919.87	3604794.52	175.04409	(17021401)	
507037.89	3604916.08	69.49031	(15021008)	

*** AERMOD - VERSION 18081 *** ** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19

*** AERMET - VERSION 18081 *** **

*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP18 ***

INCLUDING SOURCE(S): TP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)
504868.86	505118.86		504618.86

3606097.5	13.38597 (16020408)	14.11178 (15011008)	16.83271
(16012908)	19.55850 (16012908)	20.25869 (17020308)	
3605847.5	16.64372 (15040607)	15.76972 (15040607)	16.03460
(16020408)	17.74966 (15011008)	22.06933 (16012908)	
3605597.5	16.17756 (15040607)	18.44569 (15040607)	20.28868
(15040607)	19.99980 (15040607)	21.01540 (16020408)	
3605347.5	15.55064 (17012508)	15.74706 (15011608)	17.24535
(15040607)	19.89819 (15040607)	23.81251 (15040607)	
3605097.5	16.13746 (16122808)	16.81695 (17010407)	18.86586
(17012508)	19.11337 (17012508)	20.61728 (15011608)	
3604847.5	21.86105 (15040307)	22.83579 (15040307)	21.97053
(15040307)	20.42895 (16122808)	23.01274 (16122808)	
3604597.5	18.83319 (17092707)	19.86418 (17092707)	20.48627
(17092707)	23.66376 (15040307)	28.53028 (15040307)	
3604347.5	19.92616 (16040507)	20.33405 (16040507)	20.76226
(16040507)	21.05782 (16011421)	24.06948 (16011421)	
3604097.5	16.41743 (17011708)	18.52358 (17011708)	20.04789
(17011708)	22.12244 (17011708)	24.72796 (17011708)	
3603847.5	19.47731 (17021608)	20.78513 (17021608)	22.75171
(17021608)	23.87425 (17021608)	26.21611 (17122608)	
3603597.5	15.53189 (17021608)	16.05753 (15021102)	18.24981
(15021102)	20.27111 (15021102)	21.96721 (15021102)	
3603347.5	15.10062 (17122908)	16.73552 (17122908)	18.50252
(17122908)	19.93636 (17122908)	21.79104 (16010308)	

3603097.5	14.54780 (17011719)	15.87763 (17011719)	17.22789
(15012720)	19.63040 (15012720)	21.03515 (16021602)	
3602847.5	14.20682 (16021602)	15.20307 (16012803)	17.12518
(16012803)	18.58572 (16011702)	20.42041 (17120906)	
3602597.5	14.11690 (17120906)	15.20480 (15011506)	18.26206
(15092907)	22.76524 (15092907)	25.77855 (15092907)	
3602347.5	18.85817 (15092907)	21.31734 (15092907)	21.92998
(15092907)	20.02463 (15092907)	20.53022 (17092807)	
3602097.5	18.40051 (15092907)	15.87767 (15092907)	19.08190
(17092807)	23.62555 (17092807)	24.96177 (17092807)	
3601847.5	17.79224 (17092807)	21.21806 (17092807)	21.75928
(17092807)	26.10544 (15092707)	30.54342 (15092707)	
3601597.5	19.66336 (17092807)	22.58354 (15092707)	26.59874
(15092707)	26.45646 (15092707)	21.17192 (15092707)	
3601347.5	23.77606 (15092707)	24.66509 (15092707)	21.53380
(15092707)	15.26448 (15092707)	10.84101 (17122105)	
3601097.5	21.31318 (15092707)	16.69811 (15092707)	10.76566
(15092707)	9.75099 (17122105)	10.48056 (15121422)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP18 ***

INCLUDING SOURCE(S): TP18 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS)
506118.86	506368.86		505868.86

3606097.5	27.75761 (17040507)	28.62762 (17040507)	27.11794
(17020108)	26.56701 (16121408)	38.54854 (16120208)	
3605847.5	24.94792 (17020308)	27.28347 (17040507)	33.28123
(17040507)	30.42329 (17020108)	30.72625 (16121408)	
3605597.5	23.13813 (15011008)	28.97684 (16012908)	31.72251
(17020308)	37.41013 (17040507)	34.23437 (17020108)	
3605347.5	24.13248 (15121608)	26.58612 (16020408)	30.94115
(16011506)	37.97897 (17020308)	39.31534 (15021008)	
3605097.5	22.75788 (15040607)	28.54224 (15040607)	31.31906
(15121608)	34.97490 (16020408)	42.34406 (16012908)	
3604847.5	23.73663 (17012508)	26.33204 (17012508)	30.80638
(15011608)	34.00446 (17012703)	41.58882 (15121608)	
3604597.5	27.92142 (15040307)	28.33981 (15040307)	30.87160
(16122808)	34.62730 (17012508)	41.45308 (17012508)	
3604347.5	27.44562 (15122708)	31.14094 (17020524)	33.61053
(17020524)	34.13827 (16020401)	41.01751 (17013020)	
3604097.5	27.88159 (17011708)	33.49115 (17011708)	36.43757
(17011708)	36.23084 (16120722)	40.48246 (16120722)	
3603847.5	30.23093 (17122608)	33.22518 (17122608)	35.29428
(17122608)	40.59231 (17122608)	45.89134 (17122608)	
3603597.5	24.87521 (15021102)	27.35621 (16012807)	30.21921
(16012807)	35.49832 (17122908)	45.19860 (17122908)	
3603347.5	23.78402 (16010308)	26.68979 (17011719)	30.13802
(17011719)	35.80023 (16021602)	41.82662 (16021602)	

Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 22.25653 (16012803) 26.20958 (16012803) 29.30306
(17120906) 35.17625 (15011506) 41.39102 (16021406)
3602847.5 | 22.37150 (15011506) 28.56961 (15092907) 32.12156
(15092907) 33.90535 (17122824) 40.77703 (17010708)
3602597.5 | 25.79925 (15092907) 24.89379 (17010704) 31.39133
(17092807) 35.25977 (17092807) 49.44447 (15092707)
3602347.5 | 27.42629 (17092807) 29.47804 (17092807) 38.77682
(15092707) 40.47203 (15092707) 27.60588 (15092707)
3602097.5 | 31.27006 (15092707) 34.91837 (15092707) 29.70144
(15092707) 18.31430 (17122302) 19.76955 (15121422)
3601847.5 | 28.26068 (15092707) 20.03208 (15092707) 15.26636
(17122105) 16.88940 (15121422) 18.12790 (16121224)
3601597.5 | 13.10712 (15092707) 13.02125 (15022607) 14.32682
(17012504) 15.50121 (16020405) 16.44717 (17121505)
3601347.5 | 11.55360 (15012201) 12.47858 (17012504) 13.39691
(16020405) 14.17900 (17121505) 15.07520 (15120324)
3601097.5 | 11.18634 (17021905) 11.87194 (16020405) 12.65291
(17121505) 13.40960 (15120324) 13.94322 (16021923)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

```
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP18 ***
INCLUDING SOURCE(S): TP18 ,
```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

```
Y-COORD | X-COORD (METERS)
(METERS) |
507368.86 | 506618.86 506868.86 507118.86
- - - - -
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3606097.5 | 49.53486 (16120208) 36.26257 (15121708) 52.80450
(17021308) 72.80210 (15021508) 66.55564 (17010724)
3605847.5 | 43.58370 (16120208) 55.40141 (16120208) 47.25228
(16010908) 74.98396 (15021508) 70.59350 (17021122)
3605597.5 | 37.03597 (17020108) 49.35937 (16120208) 58.32921
(16120208) 66.24194 (15122808) 95.70309 (15021508)
3605347.5 | 42.61778 (16011607) 47.58399 (17020108) 55.06105
(16120208) 61.26197 (15121708) 61.66825 (17022201)
3605097.5 | 51.23908 (17020308) 55.49968 (15120308) 68.33658
(17020108) 75.95045 (16120208) 84.53367 (15121708)
3604847.5 | 48.41009 (16020408) 65.33010 (16012908) 75.42410
(15021008) 100.96252 (17020108) 121.97502 (16120208)
3604597.5 | 49.23653 (15011608) 60.03605 (15121608) 75.62327
(16020408) 112.11032 (17020308) 145.32090 (17020108)
3604347.5 | 49.84186 (16122808) 57.71958 (16122808) 74.51936
(17012508) 98.26168 (17012703) 136.80544 (16020408)
3604097.5 | 48.19785 (16011421) 60.97789 (16011421) 77.98207
(17020524) 94.42169 (15020702) 137.71544 (16122808)
3603847.5 | 51.89685 (17122608) 63.16503 (17122608) 78.19233
(17122608) 103.24334 (17122608) 144.92097 (17122608)
3603597.5 | 51.99786 (17122908) 59.86184 (16010308) 73.89064
(17011719) 90.28866 (16021602) 121.58909 (16011702)
3603347.5 | 49.57864 (16012803) 56.52269 (17120906) 71.67578
(16021406) 93.79373 (17122824) 109.95820 (17121308)
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3603097.5 | 48.29246 (17121720) 56.82369 (17010708) 66.12301
(17121308) 71.59377 (16021107) 61.28602 (15121422)
3602847.5 | 47.74879 (17121308) 58.56958 (15092707) 41.73268
(15092707) 44.56861 (17012504) 48.66983 (15013101)
3602597.5 | 42.50013 (15092707) 30.52909 (16011206) 35.17218
(17021905) 36.60376 (17121505) 41.35965 (16122704)
3602347.5 | 23.96666 (15022607) 26.98079 (17021905) 29.28728
(17121505) 31.63450 (16021923) 34.56035 (17011624)
3602097.5 | 21.34644 (16121224) 23.43524 (17121505) 25.26787
(17010801) 27.43879 (17012722) 31.99934 (17022103)
3601847.5 | 19.29618 (17121505) 21.17370 (17010801) 21.98113
(16011202) 26.79473 (17040807) 27.78415 (15021805)
3601597.5 | 17.48719 (16121724) 18.93398 (16122704) 19.93817
(17011624) 22.86007 (17040807) 34.37985 (17020408)
3601347.5 | 15.97453 (16022007) 17.11909 (16120304) 23.96964
(17040807) 22.61160 (15041007) 41.29484 (17020408)
3601097.5 | 14.89029 (17012722) 19.03177 (17040807) 18.68207
(17040807) 24.67120 (17020408) 42.11885 (17020408)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

```
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP18 ***
INCLUDING SOURCE(S): TP18 ,
```

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

```
Y-COORD | X-COORD (METERS)
(METERS) |
508618.86 | 507868.86 508118.86 508368.86
- - - - -
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3606097.5 | 38.74524 (17070706) 42.07748 (15022002) 22.21034
(17022408) 13.80255 (16112208) 37.49830 (17032607)
3605847.5 | 81.51857 (17021508) 100.21132 (16120908) 53.07391
(17022408) 35.53394 (15111919) 87.22673 (17032607)
3605597.5 | 80.37202 (17021508) 56.41528 (16021807) 58.22687
(16120106) 65.23496 (15010907) 98.20390 (17020819)
3605347.5 | 61.94789 (15021508) 66.75466 (17021508) 72.77144
(17022408) 35.49946 (16112208) 122.54104 (17120924)
3605097.5 | 98.05013 (15021508) 139.91439 (16012808) 40.16567
(17022408) 29.07428 (16112208) 40.92562 (17032607)
3604847.5 | 184.83067 (17021107) 169.53754 (15121303) 78.17255
(17022408) 40.64114 (16112208) 24.76132 (17032607)
3604597.5 | 184.42605 (15120408) 163.98971 (15021508) 64.35580
(15013009) 69.21187 (17032607) 35.34818 (16111708)
3604347.5 | 206.33495 (15021008) 296.56746 (15120408) 251.09277
(15102907) 206.51551 (17032607) 61.36559 (17022620)
3604097.5 | 217.79286 (17012508) 369.95406 (16012908) 737.74262
(15121708) 1031.85022 (15122908) 424.50027 (17120708)
3603847.5 | 226.13312 (17122608) 379.43693 (17122608) 1036.28408
(17122608) 5726.94960 (15022806) 388.75963 (15061006)
3603597.5 | 188.85740 (16021406) 280.52235 (16122619) 360.92650
(17010801) 383.30893 (16021308) 204.62261 (16013009)
3603347.5 | 100.27920 (16021107) 129.10858 (15120324) 209.20106
(16012324) 303.12919 (16022219) 102.25096 (17012108)
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Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 74.02570 (16020219) 94.14278 (17022103) 120.69334
(16010204) 181.65072 (17122205) 167.14012 (15011507)
3602847.5 | 58.38112 (17012722) 73.98352 (15021805) 81.39955
(17122619) 99.46289 (17122205) 96.09758 (17011319)
3602597.5 | 50.97902 (17022103) 78.86515 (17020408) 61.34982
(16010118) 72.68191 (17121519) 70.49586 (17123106)
3602347.5 | 41.67200 (15021805) 64.75592 (17020408) 47.51739
(17122005) 56.92411 (15121123) 55.78314 (16121418)
3602097.5 | 51.01926 (17020408) 43.81609 (17020408) 38.22415
(16122020) 45.87649 (15121123) 44.85839 (17121306)
3601847.5 | 54.23696 (17020408) 30.47247 (17020905) 31.83713
(16022802) 38.11399 (15121123) 37.16995 (15021622)
3601597.5 | 47.30640 (17020408) 26.48931 (17122619) 26.93645
(16012923) 32.42158 (15121123) 32.68105 (16112308)
3601347.5 | 36.92397 (17020408) 22.84532 (15022601) 23.53975
(16012923) 28.01254 (15121123) 30.25631 (16112308)
3601097.5 | 26.28302 (17020408) 20.53487 (16010118) 20.99014
(17010402) 24.63608 (15121123) 27.26668 (16112308)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP18 ***
INCLUDING SOURCE(S): TP18 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

```

GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) |
509868.86 509118.86 509368.86 509618.86
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3606097.5 | 19.91196 (17032607) 13.56917 (15121322) 10.34737
(16111708) 7.78926 (17020109) 5.85583 (17020109)
3605847.5 | 13.14654 (17032607) 65.98482 (15033023) 16.51340
(16083007) 7.54324 (17020109) 8.40715 (16092207)
3605597.5 | 68.92640 (15021924) 64.31949 (17060105) 36.09922
(15092321) 18.07199 (15022123) 10.48526 (17121809)
3605347.5 | 97.73017 (15033023) 84.72689 (16120518) 85.95195
(17022521) 19.58518 (16092207) 10.39566 (17121809)
3605097.5 | 25.88093 (16083007) 11.25900 (17020109) 24.18281
(16092207) 50.72719 (17090523) 12.97571 (15110508)
3604847.5 | 19.37104 (16111708) 16.63882 (16092207) 13.92252
(17121809) 11.83323 (15022724) 14.96366 (15022818)
3604597.5 | 22.32043 (16092207) 16.98766 (17121809) 11.96537
(15082707) 14.48592 (17032608) 21.08213 (17032608)
3604347.5 | 38.53837 (17012305) 34.71333 (15022818) 42.20155
(17032608) 51.45240 (16040707) 42.17921 (16040707)
3604097.5 | 142.09099 (16040707) 72.87028 (16040707) 26.17923
(16040707) 19.19997 (17082707) 17.86100 (16090707)
3603847.5 | 164.54396 (15012017) 85.76685 (15021202) 35.45287
(17030408) 24.75026 (17030408) 21.22568 (15062407)
3603597.5 | 100.70164 (16040807) 49.02184 (15122117) 38.12979
(17122709) 30.57218 (15020117) 21.40965 (15061907)
3603347.5 | 92.21981 (16013009) 60.17416 (16040807) 142.01024
(16100807) 42.57425 (15022408) 82.42220 (15012119)

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3603097.5 | 55.21359 (17010522) 150.35202 (16121120) 122.58853
(16121203) 148.12596 (17011308) 141.17294 (16121122)
3602847.5 | 138.43987 (17120621) 97.52608 (16121022) 82.82378
(17122518) 94.03357 (16122817) 73.50567 (17121101)
3602597.5 | 70.00252 (16121220) 85.29969 (15020908) 69.80118
(16010421) 67.95526 (17122518) 67.28579 (15013018)
3602347.5 | 53.20929 (17010624) 54.74214 (17120621) 68.62093
(17021408) 53.80225 (16010421) 51.31170 (17122518)
3602097.5 | 43.24830 (16022321) 41.02520 (17010406) 53.54180
(17120621) 50.95593 (17021408) 83.81393 (15011201)
3601847.5 | 37.07274 (15011921) 38.22172 (15022808) 35.16338
(16121008) 44.73774 (15020908) 40.72910 (16121022)
3601597.5 | 31.55505 (16122021) 37.73004 (15022808) 28.47398
(17010406) 36.25732 (17120621) 38.08334 (17021408)
3601347.5 | 27.91281 (17031208) 28.62501 (15022808) 25.26757
(15022808) 25.32705 (16121008) 32.06536 (15020908)
3601097.5 | 24.41612 (16121418) 23.93582 (17011319) 30.46132
(15022808) 21.60442 (17010406) 26.34279 (17120621)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP18 ***
INCLUDING SOURCE(S): TP18 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) |
511118.86 510368.86 510618.86 510868.86
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3606097.5 | 8.02239 (16092207) 8.80379 (17121809) 7.65663
(17121809) 5.93658 (17032908)
3605847.5 | 9.57862 (17121809) 8.38044 (17121809) 6.56585
(17032908) 6.53151 (15082707)
3605597.5 | 9.27017 (17121809) 7.29529 (17032908) 7.04814
(15082707) 5.16177 (15082707)
3605347.5 | 8.13361 (17032908) 7.37431 (15082707) 4.55138
(15082707) 6.13893 (17122309)
3605097.5 | 7.29321 (15082707) 6.30095 (17122309) 9.96691
(17122309) 11.74661 (17122309)
3604847.5 | 13.58535 (16082307) 13.93147 (17122309) 22.19766
(16040707) 29.77781 (16040707)
3604597.5 | 33.42275 (16040707) 38.08088 (16040707) 31.21678
(16040707) 20.75420 (16040707)
3604347.5 | 24.11432 (16040707) 11.47081 (16040707) 11.49751
(17082707) 11.47047 (17082707)
3604097.5 | 17.33380 (16090707) 16.07025 (16090707) 14.54258
(16090707) 12.99349 (16090707)
3603847.5 | 18.98732 (15062407) 17.22584 (15062407) 15.79759
(15062407) 14.61229 (15062407)
3603597.5 | 20.96548 (15061907) 16.68194 (15061907) 13.50298
(15061907) 11.79566 (17042907)
3603347.5 | 37.57894 (15091922) 13.60810 (17082908) 8.72605
(17122709) 6.58586 (17122709)

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Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 39.39176 (15022408) 22.51650 (15022408) 11.50007
(17122709) 10.85399 (17122709)
3602847.5 | 102.28750 (15121020) 39.68173 (16040807) 34.37359
(15022408) 24.86241 (15022408)
3602597.5 | 67.57125 (16010101) 28.49237 (16040807) 40.06696
(16040807) 33.55273 (16040807)
3602347.5 | 55.17811 (15013018) 70.80940 (17010220) 36.53388
(16071324) 57.52493 (16040807)
3602097.5 | 89.67351 (17040307) 38.79046 (17122124) 38.84369
(16121203) 36.38765 (17022804)
3601847.5 | 68.39882 (16010601) 34.10685 (17122518) 30.99377
(17122124) 29.93070 (16122817)
3601597.5 | 35.40097 (16121022) 30.44936 (16010601) 30.30996
(17122518) 25.44736 (17122124)
3601347.5 | 32.14883 (17021408) 25.13525 (16121022) 25.74161
(17011224) 24.95349 (17122518)
3601097.5 | 28.09537 (15020908) 25.89403 (17021408) 21.83520
(16010421) 23.43507 (17011224)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP18 ***
INCLUDING SOURCE(S): TP18 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD
508226.78	3603955.63	527.26952 (17012508)	
507708.67	3603932.32	161.45869 (17011708)	
	506203.59	3603369.23 (15012720)	
507919.87	3604794.52	173.09472 (17021401)	
	507037.89	3604916.08 (15021008)	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP19 ***
INCLUDING SOURCE(S): TP19 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

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(METERS) | 504118.86 504368.86 504618.86
504868.86 | 505118.86
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3606097.5 | 13.25327 (16020408) 14.16946 (15011008) 17.14114
(16012908) 19.26586 (17020308) 19.42291 (17020308)
3605847.5 | 16.01618 (15040607) 14.86970 (15010408) 15.80958
(16020408) 17.56785 (16011506) 21.90101 (16012908)
3605597.5 | 16.36901 (15040607) 18.22806 (15040607) 19.47392
(15040607) 18.70797 (15010408) 20.23183 (16020408)
3605347.5 | 14.79565 (17012508) 15.56927 (15011608) 17.66431
(15040607) 19.87437 (15040607) 22.90531 (15040607)
3605097.5 | 15.26264 (16122808) 16.53133 (17012508) 18.39600
(17012508) 18.37393 (17012508) 20.25179 (15011608)
3604847.5 | 21.48383 (15040307) 21.71387 (15040307) 20.15819
(15040307) 19.75768 (16122808) 21.79392 (17010407)
3604597.5 | 18.59981 (17092707) 19.11966 (17092707) 20.51425
(15040307) 24.48431 (15040307) 28.24419 (15040307)
3604347.5 | 18.92886 (16040507) 18.95155 (16040507) 18.90307
(16040507) 20.38037 (16011421) 23.07463 (15122708)
3604097.5 | 16.32881 (17011708) 18.17566 (17011708) 19.56260
(17011708) 21.35764 (17011708) 23.51160 (17011708)
3603847.5 | 17.71063 (17021608) 18.81585 (17021608) 20.45468
(17021608) 21.83854 (17122608) 24.80755 (17122608)
3603597.5 | 17.15755 (17021608) 17.56553 (17021608) 18.38417
(17021608) 19.20981 (15021102) 21.07533 (15021102)
3603347.5 | 14.49372 (15011603) 16.05699 (17122908) 17.94912
(17122908) 19.68215 (17122908) 21.51308 (17122908)
3603097.5 | 14.29742 (17021402) 15.43785 (17011719) 16.89511
(17011719) 19.13007 (15012720) 20.40226 (16021602)
3602847.5 | 14.13765 (16021602) 15.00548 (16021602) 16.60408
(16012803) 17.96538 (16011702) 19.76777 (17120906)
3602597.5 | 13.76340 (16011702) 15.01149 (17120906) 16.49185
(15011506) 20.48065 (15092907) 24.65408 (15092907)
3602347.5 | 17.13872 (15092907) 20.29763 (15092907) 22.04991
(15092907) 21.46548 (15092907) 18.66407 (17010704)
3602097.5 | 19.13645 (15092907) 17.45675 (15092907) 16.60014
(17092807) 22.01051 (17092807) 25.17285 (17092807)
3601847.5 | 15.84711 (17092807) 20.03459 (17092807) 21.98130
(17092807) 23.57075 (15092707) 29.62699 (15092707)
3601597.5 | 19.85858 (17092807) 20.35029 (15092707) 25.46542
(15092707) 27.13637 (15092707) 23.50569 (15092707)
3601347.5 | 22.52325 (15092707) 24.75466 (15092707) 23.06709
(15092707) 17.59519 (15092707) 10.76781 (17122302)
3601097.5 | 22.22845 (15092707) 18.51391 (15092707) 12.76455
(15092707) 9.67147 (17122105) 10.22475 (15012201)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP19 ***
INCLUDING SOURCE(S): TP19 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)
Y-COORD | X-COORD (METERS)

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Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		
3606097.5	27.55546 (17040507)	26.92802 (17040507)	26.51753
(17020108)	26.26911 (16121408)	38.75373 (16120208)	
3605847.5	24.12717 (17020308)	27.72238 (17040507)	31.76690
(17040507)	30.23100 (17020108)	30.50099 (16121408)	
3605597.5	22.88639 (16011506)	27.99731 (16012908)	29.50866
(17020308)	36.41867 (17040507)	34.45490 (17020108)	
3605347.5	23.13859 (15010408)	25.38323 (16020408)	30.39140
(16012908)	36.48983 (17020308)	37.94103 (17040507)	
3605097.5	22.97921 (15040607)	27.55510 (15040607)	29.82116
(15121608)	33.01746 (16020408)	41.78098 (16012908)	
3604847.5	23.66586 (17012508)	25.16527 (15011608)	29.03629
(15011608)	32.46750 (15012401)	39.74399 (15121608)	
3604597.5	26.63156 (15040307)	27.79291 (16122808)	29.52456
(16122808)	34.61680 (17012508)	39.25011 (15011608)	
3604347.5	26.04876 (17020524)	29.65093 (17020524)	32.15603
(16020401)	33.67057 (15020702)	40.83846 (16011108)	
3604097.5	26.00348 (17011708)	30.53453 (16120722)	34.05733
(16120722)	34.77341 (16120722)	39.63835 (16011421)	
3603847.5	28.40337 (17122608)	31.14086 (17122608)	33.33420
(17122608)	38.11272 (17122608)	43.24126 (15010808)	
3603597.5	24.04735 (15021102)	26.39835 (15021102)	29.17454
(15021102)	33.74721 (16012807)	41.14031 (15011603)	
3603347.5	23.55954 (16010308)	25.99692 (16010308)	29.19208
(17011719)	34.28697 (15012720)	40.28361 (16021602)	
3603097.5	22.40563 (16021602)	25.14939 (16012803)	28.20291
(16011702)	33.72357 (17120906)	39.11664 (17122623)	
3602847.5	21.81466 (15011506)	25.34354 (15092907)	31.06009
(15092907)	33.32235 (15092907)	38.63183 (17010708)	
3602597.5	26.55415 (15092907)	24.95708 (15092907)	27.84849
(17092807)	35.34795 (17092807)	45.33306 (15092707)	
3602347.5	25.01153 (17092807)	29.63250 (17092807)	35.21417
(15092707)	41.35586 (15092707)	32.75559 (15092707)	
3602097.5	28.29196 (15092707)	34.58436 (15092707)	32.73294
(15092707)	21.11701 (15092707)	19.04707 (15012201)	
3601847.5	29.85652 (15092707)	23.35319 (15092707)	15.08251
(17122302)	16.38763 (15121422)	17.74742 (17021905)	
3601597.5	15.91120 (15092707)	12.74771 (17122105)	14.07769
(15121422)	15.25976 (16121224)	16.26061 (17121505)	
3601347.5	11.25522 (15022607)	12.21526 (17012504)	13.17736
(16121224)	14.01632 (17121505)	14.94972 (15120324)	
3601097.5	11.03484 (17012504)	11.63830 (16121224)	12.49077
(17121505)	13.14976 (15120324)	13.84901 (17010801)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP19
INCLUDING SOURCE(S): TP19
*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		
3606097.5	47.54426 (16120208)	34.87974 (15121708)	49.72852
(17021308)	66.64967 (15021508)	54.51891 (17010724)	
3605847.5	43.72695 (16120208)	52.49515 (16120208)	44.23958
(16010908)	71.91270 (17021308)	65.44637 (15021508)	
3605597.5	35.81914 (16121408)	49.44252 (16120208)	54.76820
(16120208)	64.45118 (15122808)	92.97273 (15021508)	
3605347.5	40.70119 (15121803)	44.92343 (17020108)	55.16594
(16120208)	59.77110 (15121708)	59.23055 (17022201)	
3605097.5	47.26360 (17020308)	51.29101 (16011607)	62.37879
(17020108)	74.48173 (16120208)	79.04422 (15121708)	
3604847.5	45.01206 (16020408)	61.43837 (16012908)	69.60481
(15021008)	90.94728 (17020108)	112.89512 (16120208)	
3604597.5	45.96092 (17012703)	57.53932 (15121608)	68.74585
(15011008)	99.63367 (17020308)	134.97129 (17020108)	
3604347.5	48.69682 (16122808)	57.25463 (17012508)	69.68364
(15011608)	92.20849 (15121608)	128.56559 (16012908)	
3604097.5	47.27683 (16011421)	57.92466 (17020524)	73.07453
(16020401)	92.65414 (16011108)	124.88132 (16122808)	
3603847.5	49.55568 (17122608)	59.81447 (15010808)	73.71485
(15010808)	95.16926 (15010808)	131.70237 (17011708)	
3603597.5	48.64021 (17122908)	58.39010 (17122908)	71.41458
(17122908)	86.54614 (17011719)	116.99264 (16021602)	
3603347.5	46.61525 (16021602)	53.68196 (16011702)	67.63057
(15011506)	87.59403 (17121720)	110.03769 (17121308)	
3603097.5	45.36399 (16021406)	52.75063 (17122824)	64.99188
(17121308)	73.59874 (16021107)	59.51780 (17122302)	
3602847.5	46.66616 (17121308)	55.79509 (15092707)	51.06977
(15092707)	42.78044 (15121422)	48.87628 (17121505)	
3602597.5	46.30362 (15092707)	30.09163 (17122302)	34.18087
(15121422)	36.48457 (17121505)	40.63152 (17010801)	
3602347.5	23.36931 (16011206)	26.36828 (17012504)	28.97034
(17121505)	31.76769 (17010801)	34.67568 (16120304)	
3602097.5	20.93650 (17021905)	23.18422 (17121505)	24.68261
(17010801)	27.11816 (17012722)	31.89545 (17022103)	
3601847.5	19.09569 (17121505)	20.77665 (15120324)	22.14022
(16122704)	23.60948 (17040807)	27.59824 (15121007)	
3601597.5	17.45725 (15120324)	18.42383 (16022007)	19.77420
(16120304)	24.97403 (17040807)	29.19109 (17020408)	
3601347.5	15.73135 (16021923)	16.95556 (17012722)	22.76965
(17040807)	20.93754 (15041007)	37.97491 (17020408)	
3601097.5	14.50372 (16122704)	16.32707 (17040807)	20.70193
(17040807)	22.39488 (15041007)	41.14282 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP19
INCLUDING SOURCE(S): TP19
*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
3606097.5	62.48662 (17021508)	49.71196 (15022002)	23.25666
(17022408)	14.43516 (16112208)	34.01168 (17032607)	
3605847.5	94.29694 (16012808)	71.85631 (16120908)	54.59521
(17022408)	50.07041 (15100707)	81.91268 (17032607)	
3605597.5	84.88527 (16020419)	53.65172 (16021807)	54.00150
(16120106)	60.75004 (15010907)	104.49334 (17020819)	
3605347.5	59.25981 (15021508)	65.53684 (17021508)	78.91298
(15121906)	48.72721 (15111919)	120.93451 (17020819)	
3605097.5	91.20544 (15021508)	159.91651 (16012808)	37.49560
(17022408)	30.70763 (16112208)	49.86984 (17032607)	
3604847.5	181.69583 (16010908)	169.74939 (15121303)	68.43328
(17022408)	43.54299 (16112208)	37.60945 (17032607)	
3604597.5	166.96610 (15120408)	186.70621 (16021523)	63.06537
(17021508)	68.29273 (16112208)	24.00398 (16111708)	
3604347.5	174.54347 (15120308)	239.54113 (15120408)	353.68849
(17010724)	132.05337 (16010424)	59.54537 (17121007)	
3604097.5	182.70392 (17012703)	337.48172 (17020308)	580.82467
(15121708)	639.80255 (16010501)	608.02347 (17011520)	
3603847.5	204.09106 (17011708)	350.51614 (17011708)	848.13956
(17020524)	3728.27798 (16090406)	629.12600 (17021819)	
3603597.5	174.73147 (17120906)	284.50624 (17010708)	373.42033
(16020405)	744.92282 (15012408)	183.21674 (16013009)	
3603347.5	133.04356 (16021107)	130.47702 (16020405)	209.18642
(15121007)	306.14105 (17122205)	137.26305 (15020418)	
3603097.5	73.70534 (17121505)	92.66207 (16120304)	129.42549
(17020408)	177.81185 (15121123)	165.93961 (15011507)	
3602847.5	58.50715 (16122704)	74.18041 (15121007)	83.85670
(15012823)	105.08649 (15121123)	100.42966 (17011319)	
3602597.5	48.68605 (17022103)	72.55723 (17020408)	61.65549
(16011319)	76.58112 (15121123)	73.68437 (15020321)	
3602347.5	41.47223 (15121007)	68.45082 (17020408)	48.47758
(16010118)	59.17497 (15121123)	57.57213 (16121418)	
3602097.5	44.23700 (17020408)	50.31719 (17020408)	38.81867
(16122020)	47.35214 (15121123)	46.40642 (15021622)	
3601847.5	52.16709 (17020408)	32.62994 (17020408)	32.38624
(16122020)	39.07210 (15121123)	37.85631 (17122218)	
3601597.5	48.94476 (17020408)	26.84098 (17122619)	27.35484
(16022802)	33.01358 (15121123)	32.91085 (17122218)	
3601347.5	40.20219 (17020408)	23.04162 (16011319)	23.72241
(16012923)	28.38235 (15121123)	29.86619 (16112308)	
3601097.5	29.72638 (17020408)	20.42626 (15022601)	21.03742
(16012923)	24.81605 (15121123)	26.64158 (16112308)	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP19 ***
INCLUDING SOURCE(S): TP19 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
3606097.5	24.21629 (17032607)	15.23206 (17121006)	10.02167
(16111708)	7.64988 (17020109)	6.33901 (17020109)	
3605847.5	17.56717 (17032607)	76.72603 (15033023)	17.39740
(16083007)	7.90228 (17020109)	7.49989 (16092207)	
3605597.5	88.21276 (16121520)	70.67724 (17101124)	52.33719
(15092321)	23.95561 (16100201)	10.29474 (16081907)	
3605347.5	118.90235 (16120120)	99.63287 (16120518)	103.48793
(17021903)	21.01970 (16092207)	11.06802 (17121809)	
3605097.5	23.59527 (16083007)	11.63101 (17020109)	24.21342
(16092207)	63.17412 (15101307)	17.04410 (15082707)	
3604847.5	22.01613 (16111708)	14.51804 (16092207)	15.02592
(17121809)	10.49693 (17032908)	15.90648 (15082707)	
3604597.5	16.41161 (17020519)	18.56181 (17121809)	12.78975
(15082707)	9.96291 (17122309)	18.43019 (17032608)	
3604347.5	45.62754 (17011903)	31.74185 (15022724)	35.86109
(17032608)	42.64016 (16040707)	47.20283 (16040707)	
3604097.5	114.63041 (15121321)	82.18674 (16040707)	45.33055
(16040707)	17.60262 (17082707)	17.08030 (17082707)	
3603847.5	232.45504 (17073005)	89.99440 (15061006)	38.79950
(17030408)	27.05416 (17030408)	20.82734 (17030408)	
3603597.5	95.44661 (15022408)	54.83213 (17122117)	43.21654
(16121017)	33.66324 (16012017)	24.09457 (15061907)	
3603347.5	115.00490 (16013009)	76.20547 (16040807)	197.29232
(15022202)	40.99271 (15021918)	107.38117 (15042322)	
3603097.5	69.66604 (17010817)	159.04256 (17122124)	120.00471
(17022804)	165.93164 (15121020)	133.64481 (16121122)	
3602847.5	145.44377 (17120621)	100.27139 (16121022)	81.93079
(16121120)	95.47427 (16121203)	73.28875 (17121101)	
3602597.5	70.67559 (16121220)	89.09296 (15020908)	71.74395
(16010421)	64.98083 (16121120)	65.68400 (16122817)	
3602347.5	54.61761 (17010624)	56.46598 (17120621)	69.65063
(17021408)	54.83000 (16010421)	49.45950 (16121120)	
3602097.5	44.58977 (16022321)	41.35869 (17010406)	54.28160
(17120621)	50.98820 (17021408)	77.69678 (16010601)	
3601847.5	37.75539 (15011921)	38.70890 (15022808)	35.27540
(16121008)	45.64700 (15020908)	40.39582 (16121022)	
3601597.5	32.09308 (17123106)	37.25312 (15022808)	28.74093
(17010406)	36.95100 (17120621)	38.75076 (17021408)	
3601347.5	28.04807 (15020321)	27.52484 (15022808)	25.81253
(15022808)	25.39997 (16121008)	32.46540 (15020908)	
3601097.5	24.63888 (16121418)	24.07729 (17011319)	30.58861
(15022808)	21.68291 (17010406)	26.61376 (17120621)	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP19 ***
INCLUDING SOURCE(S): TP19 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	510368.86	510618.86	510868.86
511118.86			
3606097.5	7.60426 (16092207)	8.51357 (17121809)	8.06657
(17121809)	5.65693 (17032908)		
3605847.5	9.14199 (17121809)	8.85391 (17121809)	6.30096
(17032908)	6.38323 (15082707)		
3605597.5	9.82740 (17121809)	7.07279 (17032908)	7.09362
(15082707)	5.78979 (15082707)		
3605347.5	8.00620 (17032908)	7.73658 (15082707)	5.40761
(15082707)	4.89846 (17122309)		
3605097.5	8.74596 (15022724)	5.32920 (15051907)	8.46685
(17122309)	11.03507 (17122309)		
3604847.5	12.39917 (16082307)	13.00495 (17122309)	16.50962
(16040707)	26.03297 (16040707)		
3604597.5	25.52650 (16040707)	36.04231 (16040707)	34.58887
(16040707)	25.87217 (16040707)		
3604347.5	32.79332 (16040707)	17.75076 (16040707)	10.31773
(17082707)	10.83761 (17082707)		
3604097.5	15.83325 (16090707)	15.65602 (16090707)	14.82720
(16090707)	13.69416 (16090707)		
3603847.5	17.42874 (15062407)	15.94266 (15062407)	14.71396
(15062407)	13.67898 (15062407)		
3603597.5	22.79375 (16052106)	16.50059 (15061907)	12.83916
(17042907)	12.79369 (17042907)		
3603347.5	47.02333 (15091922)	13.92625 (16121017)	7.79843
(17122709)	7.99954 (15061907)		
3603097.5	36.15163 (15022408)	17.89478 (15022408)	11.81079
(17122709)	10.73817 (17122709)		
3602847.5	116.13407 (15121020)	36.26375 (16040807)	33.41581
(15022408)	21.72176 (15022408)		
3602597.5	88.91955 (15031607)	32.76167 (16040807)	41.04435
(16040807)	31.07831 (16040807)		
3602347.5	55.93813 (15013018)	70.88339 (17010220)	44.05590
(16060106)	63.87433 (17011308)		
3602097.5	85.41436 (17040307)	37.44080 (17122124)	37.95311
(16121203)	35.09126 (17022804)		
3601847.5	47.39668 (16010601)	33.20002 (17122518)	30.71352
(17122124)	29.49008 (16122817)		
3601597.5	34.40929 (16121022)	30.63097 (17011224)	29.32659
(17122518)	25.70315 (17122124)		
3601347.5	32.32453 (17021408)	25.23030 (16121022)	26.09250
(17011224)	24.41038 (17122518)		
3601097.5	28.64135 (15020908)	25.77954 (17021408)	22.48014
(16010421)	23.33916 (17011224)		

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Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP19 ***
INCLUDING SOURCE(S): TP19 ,

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*** DISCRETE CARTESIAN RECEPTOR

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POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD
508226.78	3603955.63	426.47493 (15011608)	
507708.67	3603932.32	144.89933 (16011421)	
506203.59	3603369.23	36.11573 (17011719)	
507919.87	3604794.52	196.16663 (16010223)	
507037.89	3604916.08	64.05727 (15021008)	
*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19			
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*			
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION			
VALUES FOR SOURCE GROUP: TP2 ***			
INCLUDING SOURCE(S): TP2 ,			
*** NETWORK ID: UCART1 ; NETWORK TYPE:			
GRIDCART ***			
** CONC OF TAC IN MICROGRAMS/M**3			
**			
Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)
504868.86	505118.86		504618.86
3606097.5	12.89857 (15011008)	15.18667 (16120805)	17.82609
(16012908)	18.84880 (17020308)	22.07235 (17040507)	
3605847.5	14.09945 (15040607)	14.57654 (16020408)	15.53137
(15011008)	19.00423 (16012908)	21.67883 (17020308)	
3605597.5	16.77929 (15040607)	17.41484 (15040607)	17.10818
(15040607)	17.97603 (16020408)	19.64977 (15011008)	
3605347.5	15.12954 (15040607)	17.30053 (15040607)	18.71271
(15040607)	19.46477 (15040607)	20.23339 (15040607)	
3605097.5	15.07738 (17012508)	16.63409 (17012508)	17.21419
(15011608)	18.45299 (15011608)	20.69237 (15040607)	
3604847.5	19.45509 (15040307)	18.09712 (16021108)	17.66364
(16122808)	18.98549 (17012508)	22.16129 (17012508)	
3604597.5	17.72625 (15040307)	20.48900 (15040307)	22.91678
(15040307)	24.82917 (15040307)	25.46641 (15040307)	
3604347.5	15.74388 (16040507)	17.09756 (17092707)	19.22228
(17092707)	21.25711 (17092707)	22.98566 (17092707)	
3604097.5	17.98343 (16040507)	19.80489 (16040507)	21.07064
(16040507)	22.51569 (16040507)	23.99393 (16040507)	
3603847.5	15.68598 (15010808)	17.06992 (15010808)	18.99004
(15010808)	20.49210 (15010808)	22.86298 (15010808)	
3603597.5	19.49929 (17021608)	20.36105 (17021608)	21.74498
(17021608)	22.87335 (17021608)	23.71743 (17021608)	
3603347.5	14.27858 (16012807)	15.60597 (16012807)	17.04839
(16012807)	18.73534 (15011603)	21.00066 (17122908)	
3603097.5	14.39136 (16010308)	15.55009 (16010308)	16.71188
(17021402)	18.66700 (17011719)	20.33784 (17011719)	
3602847.5	14.05084 (15012720)	15.17788 (16021602)	16.67129
(16021602)	17.52766 (16012803)	19.53066 (16012803)	
3602597.5	13.59044 (16012803)	14.78189 (16011702)	16.32439
(17120906)	17.76444 (15011506)	21.33485 (15092907)	
3602347.5	13.85638 (15092907)	17.74160 (15092907)	21.08174
(15092907)	22.75960 (15092907)	22.09752 (15092907)	

Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	19.56616 (15092907)	19.51821 (15092907)	17.46974
(15092907)	18.63965 (17092807)	24.10355 (17092807)	
3601847.5	13.85617 (15092907)	17.50990 (17092807)	21.32571
(17092807)	22.31351 (17092807)	27.18212 (15092707)	
3601597.5	19.41275 (17092807)	20.04287 (17092807)	23.07319
(15092707)	27.19995 (15092707)	26.36459 (15092707)	
3601347.5	20.19881 (15092707)	24.17487 (15092707)	24.73629
(15092707)	20.90014 (15092707)	14.10237 (15092707)	
3601097.5	23.04627 (15092707)	20.92619 (15092707)	15.82376
(15092707)	9.69118 (17122302)	10.07198 (15022607)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TP2
 INCLUDING SOURCE(S): TP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		

3606097.5	26.82713 (17040507)	23.06257 (17020108)	24.49976
(17020108)	25.31938 (16120208)	42.24106 (16120208)	
3605847.5	22.16181 (17040507)	29.46767 (17040507)	26.25770
(17040507)	29.19167 (17020108)	29.38417 (16120624)	
3605597.5	24.45057 (16012908)	27.01734 (17020308)	31.12944
(17040507)	32.64128 (17040507)	35.08084 (17020108)	
3605347.5	22.24525 (16020408)	25.09644 (16011506)	31.52592
(16012908)	32.51866 (17020308)	38.29297 (17040507)	
3605097.5	23.19443 (15040607)	25.73139 (15121608)	28.47417
(16020408)	33.56655 (16012908)	41.35827 (17020308)	
3604847.5	22.71892 (15011608)	24.82825 (15011608)	28.68034
(15040607)	33.15089 (15121608)	37.80221 (16020408)	
3604597.5	24.46303 (16122808)	25.78983 (17012508)	30.34196
(17012508)	33.38739 (15011608)	37.21997 (17012703)	
3604347.5	25.12619 (16020401)	29.86714 (15040307)	32.50308
(15040307)	35.45041 (16122808)	40.65017 (16122808)	
3604097.5	25.31082 (16040507)	28.78527 (16011421)	32.42754
(16011421)	34.61308 (15122708)	40.02548 (17122422)	
3603847.5	25.80612 (17121406)	28.66547 (17011708)	31.97967
(17011708)	37.25451 (17011708)	43.45950 (17011708)	
3603597.5	25.24909 (17021608)	26.13589 (17021608)	28.99219
(17121523)	33.02779 (17121523)	39.01924 (15021102)	
3603347.5	23.72966 (17122908)	26.68832 (17122908)	29.74135
(17122908)	34.07668 (16010308)	39.09779 (17011719)	
3603097.5	22.41922 (15012720)	25.40909 (16021602)	27.77642
(16021602)	32.45258 (16012803)	38.33053 (17120906)	
3602847.5	21.64807 (16011702)	24.66436 (17120906)	27.41903
(17122623)	33.76725 (15092907)	36.89308 (17122824)	
3602597.5	25.89756 (15092907)	27.99875 (15092907)	26.51716
(17122824)	32.28126 (17092807)	37.06368 (17092807)	
3602347.5	20.88747 (17010708)	27.81853 (17092807)	30.36330
(17092807)	40.00013 (15092707)	39.06845 (15092707)	

3602097.5	25.62688 (17092807)	32.40230 (15092707)	35.75007
(15092707)	27.61442 (15092707)	19.06539 (17122105)	
3601847.5	31.00342 (15092707)	27.83773 (15092707)	18.13043
(15092707)	16.16753 (15022607)	17.78460 (17012504)	
3601597.5	20.18178 (15092707)	12.85595 (17122302)	13.82694
(15012201)	15.23442 (17021905)	16.11294 (16020405)	
3601347.5	11.21995 (17122105)	12.20092 (15121422)	13.13597
(17021905)	13.84884 (17011920)	14.88112 (15013101)	
3601097.5	10.94707 (15121422)	11.54799 (16121224)	12.29377
(17011920)	13.06330 (15013101)	13.97962 (17010801)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TP2
 INCLUDING SOURCE(S): TP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	39.99591 (16120208)	33.23455 (16010908)	53.28354
(17021308)	54.94262 (15021508)	59.89301 (17021508)	
3605847.5	47.13254 (16120208)	41.49084 (16120208)	39.67381
(15122808)	68.18838 (15021508)	48.94603 (15021508)	
3605597.5	35.05013 (16121408)	52.50689 (16120208)	46.36506
(15121708)	58.63325 (17021308)	80.01504 (15021508)	
3605347.5	42.72939 (17020108)	43.02415 (16121408)	57.45576
(16120208)	55.10354 (16120708)	60.35331 (15021508)	
3605097.5	43.28577 (15021008)	51.52602 (17020108)	55.67555
(16121408)	73.19753 (16120208)	70.13726 (16010908)	
3604847.5	48.54462 (16012908)	55.33417 (17020308)	62.01662
(15121803)	75.83096 (16121408)	98.69638 (16120208)	
3604597.5	45.67875 (15121608)	54.23441 (16020408)	74.44080
(16012908)	84.12549 (15120308)	109.13954 (16121408)	
3604347.5	48.08954 (17012508)	55.34554 (15011608)	66.03067
(15121608)	87.12099 (16020408)	125.25912 (17020308)	
3604097.5	47.27340 (16020401)	57.13533 (17013020)	74.78922
(16122808)	93.87557 (17012508)	117.26045 (17012703)	
3603847.5	51.40064 (17011708)	62.10744 (17011708)	75.90561
(17011708)	93.70982 (16120722)	127.88649 (16011421)	
3603597.5	45.85431 (15021102)	54.95579 (15021102)	68.35299
(16012807)	90.20849 (17122908)	126.50267 (17122908)	
3603347.5	46.30909 (15012720)	53.93047 (16021602)	65.80769
(16012803)	86.08953 (15011506)	110.59395 (17121720)	
3603097.5	44.37413 (15011506)	51.42301 (16121801)	62.34407
(17010708)	78.55506 (17121308)	84.15916 (16021107)	
3602847.5	44.05989 (17010708)	49.97430 (17121308)	59.88814
(15092707)	43.85752 (17122302)	52.09278 (16121224)	
3602597.5	47.95498 (15092707)	41.23564 (15092707)	33.60032
(15022607)	37.79615 (16020405)	43.38331 (17010801)	
3602347.5	24.55125 (15092707)	26.40523 (15121422)	29.42893
(16020405)	32.58679 (15120324)	36.54681 (17012722)	

Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	21.02402 (17012504)	23.37793 (16020405)	25.59706
(15120324)	28.24288 (16122704)	32.54079 (17022103)	
3601847.5	19.11172 (16020405)	21.06520 (15120324)	22.33918
(17022221)	24.60397 (17011624)	28.89347 (17022603)	
3601597.5	17.41006 (15013101)	18.63918 (16021923)	20.16590
(17012722)	25.88608 (17040807)	26.99484 (17020408)	
3601347.5	16.03561 (17010801)	16.95020 (17012722)	21.29541
(17040807)	21.01440 (17022603)	36.71459 (17020408)	
3601097.5	14.82053 (16122704)	15.74028 (17011624)	21.77915
(17040807)	22.20522 (15041007)	40.84169 (17020408)	

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 *** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TP2
 INCLUDING SOURCE(S): TP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	59.41757 (17020920)	59.29495 (17020823)	21.82177
(15123009)	13.31113 (16112208)	33.84950 (17032607)	
3605847.5	87.27424 (16012808)	44.25968 (16121101)	63.07722
(16120106)	71.74619 (15100707)	85.90299 (16010501)	
3605597.5	96.96945 (16012808)	43.53811 (16021807)	47.12407
(16120106)	54.48692 (15010907)	93.04919 (16010501)	
3605347.5	50.67181 (17021508)	51.28400 (16021807)	103.99648
(16120106)	84.16204 (15100707)	97.46435 (17032607)	
3605097.5	79.08840 (15021508)	125.47179 (16012808)	43.66454
(15092607)	25.53430 (16112208)	46.99075 (17032607)	
3604847.5	119.91612 (17022201)	110.61468 (17021508)	83.77849
(16031803)	34.61303 (16112208)	35.41356 (17032607)	
3604597.5	143.04763 (15121708)	203.78725 (17022504)	68.06278
(17022408)	50.59472 (16112208)	23.35010 (16083007)	
3604347.5	161.78619 (17020108)	208.19248 (16010908)	236.58826
(15010807)	200.41745 (15110104)	57.61087 (15122318)	
3604097.5	180.89189 (16012908)	309.03987 (17020108)	376.98072
(15120107)	464.47073 (16010501)	515.39916 (16121519)	
3603847.5	191.09690 (17020524)	352.93784 (16122808)	948.17135
(17020308)	1683.12321 (16120120)	709.27244 (17011103)	
3603597.5	180.33176 (16010308)	311.63901 (16011702)	763.10949
(16021107)	1877.99127 (15021419)	304.46861 (15022408)	
3603347.5	160.48131 (17121308)	153.51273 (15121422)	263.42595
(17022103)	379.54892 (15021621)	239.14632 (17081204)	
3603097.5	80.64461 (17021905)	106.07299 (17011608)	147.24469
(16010102)	193.99608 (16022219)	168.63448 (17010406)	
3602847.5	62.90832 (17010801)	83.48479 (16011119)	95.36926
(15012823)	119.97915 (17122205)	112.14794 (15021419)	
3602597.5	50.24523 (17011624)	70.45769 (17020408)	67.54317
(16011319)	84.22234 (17121519)	81.08744 (15011921)	
3602347.5	44.45741 (16011119)	70.48125 (17020408)	52.35829
(16010118)	63.89354 (15121123)	62.46315 (15020321)	

3602097.5	41.49492 (17020408)	52.66416 (17020408)	41.71816
(16122020)	50.82601 (15121123)	49.61803 (17121306)	
3601847.5	51.60168 (17020408)	34.13575 (17020408)	34.13908
(16022802)	41.69316 (15121123)	40.83622 (15021622)	
3601597.5	49.72678 (17020408)	28.08915 (17122619)	28.69444
(16022802)	35.01882 (15121123)	34.02173 (17122218)	
3601347.5	41.28620 (17020408)	23.94279 (16011319)	24.71126
(16012923)	29.95806 (15121123)	30.30757 (16112308)	
3601097.5	30.66765 (17020408)	21.02774 (15022601)	21.57371
(16012923)	26.03787 (15121123)	27.48331 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TP2
 INCLUDING SOURCE(S): TP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	23.50487 (17032607)	23.51699 (15021924)	9.50519
(16111708)	7.33149 (17020109)	6.53632 (17020109)	
3605847.5	17.23963 (17032607)	65.17387 (16120120)	17.27793
(16083007)	7.89838 (17020109)	6.31586 (16092207)	
3605597.5	101.74951 (16121520)	63.61062 (15033023)	71.87844
(17032207)	36.95177 (16100201)	9.57920 (16081907)	
3605347.5	120.87013 (16120120)	93.55847 (15121319)	110.89994
(17021903)	20.38155 (16092207)	11.14451 (17121809)	
3605097.5	23.47523 (16111708)	11.23300 (17020109)	21.49729
(16092207)	86.69615 (15101307)	14.03916 (15082707)	
3604847.5	20.48052 (16111708)	10.67043 (16092207)	14.77167
(17121809)	11.86141 (15110508)	18.26431 (15082707)	
3604597.5	15.19207 (17020109)	17.75163 (17121809)	12.10355
(17032908)	9.06304 (15082707)	12.06023 (17122309)	
3604347.5	44.62274 (17121809)	33.65304 (15022724)	17.10465
(17032608)	28.57960 (17032608)	40.61134 (16040707)	
3604097.5	203.29220 (15121624)	61.66204 (16091707)	62.74402
(16040707)	39.59476 (16040707)	17.57780 (16040707)	
3603847.5	400.68321 (17122021)	152.00938 (15090204)	52.65308
(16090707)	21.89412 (16090707)	17.99638 (16090707)	
3603597.5	80.33425 (15020117)	67.01647 (16012017)	59.83442
(17012817)	42.48660 (17012817)	29.78427 (16052106)	
3603347.5	69.36035 (15030308)	145.27254 (15022408)	237.44570
(17021020)	58.94812 (15091922)	153.33248 (15011222)	
3603097.5	127.50159 (17082824)	161.68236 (16122817)	113.86279
(15121020)	129.26286 (17010923)	102.37566 (17022524)	
3602847.5	160.79665 (15020908)	109.43696 (17011224)	89.05943
(15013018)	85.87476 (17022804)	80.09806 (16040807)	
3602597.5	72.16512 (17010406)	98.88968 (17021408)	77.40103
(17011224)	66.44951 (17122124)	60.62092 (16121203)	
3602347.5	58.06455 (15011507)	72.15355 (17120621)	65.66919
(17021408)	57.92625 (17011224)	50.27162 (17122124)	

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 47.48124 (15021419) 42.53798 (17010406) 59.49911
(15020908) 49.29894 (16121022) 59.88350 (17011224)
3601847.5 | 39.59087 (17011319) 37.48260 (16121220) 44.27345
(17120621) 48.76871 (17021408) 37.83767 (16121022)
3601597.5 | 33.40115 (16122021) 37.72557 (15022808) 29.14492
(17122024) 39.34084 (17120621) 39.04459 (17021408)
3601347.5 | 28.92486 (17123106) 32.16207 (15022808) 26.20377
(16121220) 29.55745 (17120621) 34.88464 (15020908)
3601097.5 | 25.35361 (15020321) 24.65081 (16022321) 27.97954
(15022808) 21.75723 (17122024) 29.45934 (17120621)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP2
INCLUDING SOURCE(S): TP2 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 510368.86 510618.86 510868.86
511118.86
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3606097.5 | 6.81667 (16092207) 7.92277 (17121809) 8.22348
(17121809) 6.20368 (17121809)
3605847.5 | 8.35172 (17121809) 9.00174 (17121809) 6.65905
(17121809) 6.26678 (17032908)
3605597.5 | 9.95269 (17121809) 7.18643 (17121809) 6.77817
(17032908) 6.31747 (15082707)
3605347.5 | 7.80284 (17121809) 7.60209 (15082707) 6.30526
(15082707) 3.68150 (15082707)
3605097.5 | 12.51290 (15110508) 5.90042 (15082707) 6.06645
(17122309) 9.20889 (17122309)
3604847.5 | 14.95417 (15022818) 12.45599 (16082307) 12.66736
(17122309) 17.75970 (16040707)
3604597.5 | 16.05186 (17032608) 26.32495 (16040707) 33.69528
(16040707) 31.61188 (16040707)
3604347.5 | 41.66699 (16040707) 29.84548 (16040707) 17.31690
(16040707) 8.88675 (16040707)
3604097.5 | 14.33930 (17082707) 13.81348 (17082707) 12.69783
(16090707) 12.84865 (16090707)
3603847.5 | 15.92732 (17030408) 14.64502 (17030408) 13.66696
(17030408) 12.82849 (17030408)
3603597.5 | 32.36188 (15062407) 15.38277 (15062407) 14.59393
(15062407) 13.84598 (15062407)
3603347.5 | 69.56478 (15051124) 16.15983 (15020117) 11.73502
(15061907) 10.87979 (15061907)
3603097.5 | 40.99290 (15111922) 12.84186 (17122709) 11.29728
(17122709) 9.36721 (17122709)
3602847.5 | 85.93995 (16040807) 36.78378 (15022408) 23.74136
(15022408) 11.43071 (15022408)
3602597.5 | 97.35691 (16120121) 43.31944 (16040807) 36.11555
(16040807) 32.00969 (15022408)
3602347.5 | 53.72944 (16122817) 62.62487 (17022804) 66.75973
(17011308) 74.67734 (15121020)

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3602097.5 | 51.21465 (17122124) 38.04625 (16122817) 35.28730
(17022804) 33.80767 (17121101)
3601847.5 | 48.05544 (17021621) 31.28423 (17122124) 31.05596
(15013018) 28.56753 (16121203)
3601597.5 | 33.53410 (16010421) 30.83921 (17021621) 27.03888
(16012022) 26.39784 (16013009)
3601347.5 | 29.80342 (17021408) 27.74293 (16010421) 26.16759
(17021621) 22.82369 (16121120)
3601097.5 | 30.05889 (17021408) 25.75471 (16121022) 23.91146
(16010421) 22.97485 (17021621)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP2
INCLUDING SOURCE(S): TP2 ,

*** DISCRETE CARTESIAN RECEPTOR
POINTS ***

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

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X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD
(M) Y-COORD (M) CONC (YYMMDDHH)
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508226.78 3603955.63 462.25130 (17020308)
507708.67 3603932.32 149.70313 (16122808)
506203.59 3603369.23 35.96778 (16010308)
507919.87 3604794.52 128.35422 (15120107)
507037.89 3604916.08 57.54603 (15121803)

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP20
INCLUDING SOURCE(S): TP20 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

```

Y-COORD | X-COORD (METERS)
(METERS) | 504118.86 504368.86 504618.86
504868.86 505118.86
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3606097.5 | 13.26506 (16020408) 14.23686 (15011008) 17.29853
(16012908) 19.35123 (17020308) 19.24919 (17020308)
3605847.5 | 15.93514 (15040607) 14.91304 (15010408) 15.81992
(16020408) 17.75851 (16011506) 22.03858 (16012908)

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Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	16.46465 (15040607)	18.25159 (15040607)	19.39585
(15040607)	18.78499 (15010408)	20.24377 (16020408)	
3605347.5	14.75756 (15012821)	15.59543 (15011608)	17.81943
(15040607)	19.94481 (15040607)	22.84619 (15040607)	
3605097.5	15.21837 (16122808)	16.65383 (17012508)	18.44032
(17012508)	18.30401 (17012508)	20.24596 (15011608)	
3604847.5	21.50128 (15040307)	21.62054 (15040307)	19.94809
(15040307)	19.74498 (16122808)	21.94220 (17012508)	
3604597.5	18.62492 (17092707)	19.07770 (17092707)	20.79288
(15040307)	24.70263 (15040307)	28.33471 (15040307)	
3604347.5	18.86533 (16040507)	18.84278 (16040507)	18.74152
(16040507)	20.41493 (16011421)	23.16738 (15122708)	
3604097.5	16.38683 (17011708)	18.23022 (17011708)	19.60498
(17011708)	21.38370 (17011708)	23.51389 (17011708)	
3603847.5	17.59520 (17021608)	18.68821 (17021608)	20.31057
(17021608)	21.86256 (17122608)	24.83729 (17122608)	
3603597.5	17.32697 (17021608)	17.75711 (17021608)	18.60737
(17021608)	19.22337 (15021102)	21.10848 (15021102)	
3603347.5	14.52781 (15011603)	16.07443 (17122908)	17.98790
(17122908)	19.74786 (17122908)	21.61466 (17122908)	
3603097.5	14.33646 (17021402)	15.46746 (17011719)	16.95048
(17011719)	19.18595 (15012720)	20.45503 (16021602)	
3602847.5	14.17884 (16021602)	15.06870 (16021602)	16.64518
(16012803)	18.00972 (16011702)	19.82105 (17120906)	
3602597.5	13.80347 (16011702)	15.05443 (17120906)	16.54155
(15011506)	20.47903 (15092907)	24.68870 (15092907)	
3602347.5	17.13616 (15092907)	20.31756 (15092907)	22.09466
(15092907)	21.52795 (15092907)	18.72648 (17010704)	
3602097.5	19.18085 (15092907)	17.50764 (15092907)	16.62543
(17092807)	22.05485 (17092807)	25.22492 (17092807)	
3601847.5	15.87089 (17092807)	20.07130 (17092807)	22.02089
(17092807)	23.64362 (15092707)	29.70074 (15092707)	
3601597.5	19.89089 (17092807)	20.40889 (15092707)	25.52691
(15092707)	27.17444 (15092707)	23.49708 (15092707)	
3601347.5	22.57643 (15092707)	24.79438 (15092707)	23.07436
(15092707)	17.56585 (15092707)	10.79748 (17122302)	
3601097.5	22.24510 (15092707)	18.50043 (15092707)	12.72855
(15092707)	9.69879 (17122105)	10.25571 (15012201)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP20
 INCLUDING SOURCE(S): TP20 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		

3606097.5	27.73461 (17040507)	26.56533 (17040507)	26.54265
(17020108)	26.35593 (16121408)	39.46202 (16120208)	
3605847.5	24.11039 (17020308)	28.14992 (17040507)	31.55509
(17040507)	30.40460 (17020108)	30.69229 (16121408)	

3605597.5	23.10062 (16011506)	28.04598 (16012908)	29.25568
(17020308)	36.50836 (17040507)	34.88019 (17020108)	
3605347.5	23.26549 (15010408)	25.38497 (16020408)	30.86483
(16012908)	36.61112 (17020308)	38.50674 (17040507)	
3605097.5	23.13791 (15040607)	27.54436 (15040607)	29.83753
(15121608)	32.99088 (16020408)	42.24286 (16012908)	
3604847.5	23.74136 (17012508)	25.35628 (15011608)	28.93076
(15011608)	32.61635 (15012401)	39.85815 (15121608)	
3604597.5	26.51908 (15040307)	27.89520 (16122808)	29.41487
(16122808)	34.79150 (17012508)	39.52281 (15011608)	
3604347.5	26.20273 (17020524)	29.71272 (17020524)	32.23692
(16020401)	33.77126 (17013020)	41.09670 (16011108)	
3604097.5	25.99160 (16040507)	30.71657 (16120722)	34.18510
(16120722)	34.78693 (16120722)	39.93465 (16011421)	
3603847.5	28.43975 (17122608)	31.19615 (15010808)	33.41035
(15010808)	38.28083 (15010808)	43.43938 (15010808)	
3603597.5	24.11367 (15021102)	26.50436 (15021102)	29.33752
(15021102)	33.88280 (16012807)	41.33008 (16012807)	
3603347.5	23.65310 (16010308)	26.14757 (16010308)	29.28791
(17011719)	34.47761 (17011719)	40.47241 (16021602)	
3603097.5	22.50533 (16021602)	25.22654 (16012803)	28.30726
(16011702)	33.88942 (17120906)	39.34198 (15011506)	
3602847.5	21.88340 (15011506)	25.34398 (15092907)	31.12459
(15092907)	33.45305 (15092907)	38.83557 (17010708)	
3602597.5	26.62718 (15092907)	25.05239 (15092907)	27.91884
(17092807)	35.45128 (17092807)	45.53025 (15092707)	
3602347.5	25.06869 (17092807)	29.70486 (17092807)	35.34846
(15092707)	41.45544 (15092707)	32.71979 (15092707)	
3602097.5	28.38807 (15092707)	34.67070 (15092707)	32.74635
(15092707)	21.04238 (15092707)	19.14581 (15012201)	
3601847.5	29.88802 (15092707)	23.31871 (15092707)	15.12681
(17122302)	16.46908 (15121422)	17.80784 (17021905)	
3601597.5	15.86157 (15092707)	12.79600 (15022607)	14.12726
(15121422)	15.32380 (16121224)	16.33034 (17121505)	
3601347.5	11.28663 (15022607)	12.26333 (17012504)	13.22036
(16121224)	14.07066 (17121505)	15.00808 (15120324)	
3601097.5	11.06799 (17012504)	11.66795 (16121224)	12.53552
(17121505)	13.20631 (15120324)	13.87201 (17010801)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP20
 INCLUDING SOURCE(S): TP20 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	47.09769 (16120208)	34.53824 (15121708)	51.40622
(17021308)	66.25953 (15021508)	55.49099 (17021508)	
3605847.5	44.52751 (16120208)	51.72763 (16120208)	44.22859
(16010908)	72.80691 (15021508)	64.93284 (17021122)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	36.18942 (16121408)	50.33868 (16120208)	53.55415
(16120208)	64.82165 (15122808)	92.55750 (15021508)	
3605347.5	40.81111 (15121803)	44.21043 (17020108)	56.13302
(16120208)	60.18181 (15121708)	59.73533 (17021308)	
3605097.5	46.88283 (17020308)	51.53972 (16011607)	61.75709
(17020108)	75.72497 (16120208)	78.18449 (15121708)	
3604847.5	44.90357 (16020408)	61.58811 (16012908)	69.70996
(15021008)	90.92597 (17020108)	114.59675 (16120208)	
3604597.5	46.20958 (17012703)	57.95769 (15121608)	69.68244
(16011506)	99.16083 (17020308)	137.28789 (17020108)	
3604347.5	48.80677 (16122808)	57.76478 (17012508)	69.95071
(15011608)	93.75064 (15121608)	132.69634 (16012908)	
3604097.5	47.39789 (16011421)	58.40741 (17020524)	73.45369
(16020401)	93.82390 (16011108)	127.42057 (17012508)	
3603847.5	49.73484 (15010808)	60.05411 (15010808)	73.96940
(15010808)	95.39533 (15010808)	134.39658 (17011708)	
3603597.5	48.78311 (17122908)	58.75883 (17122908)	72.21220
(17122908)	87.23611 (17011719)	118.34771 (16021602)	
3603347.5	47.01429 (16021602)	54.03113 (16011702)	68.19181
(15011506)	88.38332 (17121720)	111.24858 (17121308)	
3603097.5	45.67442 (16021406)	53.11458 (17122824)	65.48207
(17121308)	74.21328 (16021107)	59.97585 (17122302)	
3602847.5	46.94921 (17121308)	56.05885 (15092707)	51.06413
(15092707)	43.18640 (15121422)	49.34814 (17121505)	
3602597.5	46.38439 (15092707)	30.26804 (17122302)	34.37416
(15121422)	36.76377 (17121505)	40.77712 (16021923)	
3602347.5	23.47326 (16011206)	26.49696 (17012504)	29.15631
(17121505)	31.95201 (17010801)	34.83955 (16120304)	
3602097.5	21.03779 (17021905)	23.31141 (17121505)	24.86669
(17010801)	27.32092 (17012722)	32.15848 (17022103)	
3601847.5	19.18723 (17121505)	20.82957 (15120324)	22.23586
(16122704)	24.10032 (17040807)	27.78714 (15121007)	
3601597.5	17.51591 (15120324)	18.49583 (16022007)	19.83279
(16120304)	24.80957 (17040807)	30.07843 (17020408)	
3601347.5	15.77644 (16021923)	17.01998 (17012722)	23.00125
(17040807)	21.22476 (15041007)	38.63182 (17020408)	
3601097.5	14.53751 (16011202)	16.67698 (17040807)	20.49535
(17040807)	22.47421 (15041007)	41.40841 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP20 ***
 INCLUDING SOURCE(S): TP20 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	60.42829 (17021508)	49.40361 (17020823)	22.63918
(17022408)	14.14499 (16112208)	34.83583 (17032607)	
3605847.5	95.05329 (16012808)	71.96300 (16120908)	53.50930
(17022408)	49.93631 (15100707)	83.07459 (17032607)	

3605597.5	84.62071 (16020419)	52.97133 (16021807)	54.02459
(16120106)	61.18460 (15010907)	104.54116 (17020819)	
3605347.5	57.03663 (15021508)	63.17918 (17021508)	77.73375
(15121906)	49.24094 (15111919)	122.49969 (17120924)	
3605097.5	91.60439 (15021508)	163.45619 (16012808)	38.41667
(17022408)	29.63460 (16112208)	47.61229 (17032607)	
3604847.5	181.31474 (17021107)	171.61538 (15121303)	72.70905
(17022408)	41.66850 (16112208)	34.28519 (17032607)	
3604597.5	166.37952 (15120408)	184.44961 (16021523)	61.01533
(15013009)	64.41282 (16112208)	25.32520 (16111708)	
3604347.5	173.81817 (15120308)	246.05897 (15123008)	349.23174
(16020419)	143.30157 (17032607)	58.79527 (17121007)	
3604097.5	184.78675 (17012703)	343.54637 (17020308)	578.73599
(15121708)	682.50174 (16010501)	608.56674 (17011520)	
3603847.5	207.99048 (17011708)	354.49972 (17011708)	881.17242
(16020401)	3380.60564 (15101823)	610.70584 (16030902)	
3603597.5	177.40405 (17120906)	290.83751 (17010708)	387.37988
(16020405)	726.64762 (16061306)	172.65533 (16012917)	
3603347.5	134.30122 (16021107)	132.49172 (17121505)	214.63076
(15021805)	309.06670 (16022219)	137.27660 (16123017)	
3603097.5	74.67057 (17121505)	93.65583 (16120304)	128.43504
(17020408)	179.67586 (17122205)	165.77604 (15011507)	
3602847.5	59.03828 (16122704)	75.00656 (15121007)	84.39862
(17020905)	104.93833 (15121123)	100.56473 (17011319)	
3602597.5	49.51852 (17022103)	74.21113 (17020408)	61.97634
(15022601)	76.70619 (15121123)	73.75299 (17123106)	
3602347.5	41.81802 (15121007)	68.17613 (17020408)	48.59924
(16010118)	59.36866 (15121123)	57.86695 (16121418)	
3602097.5	45.52339 (17020408)	49.20818 (17020408)	39.11087
(16122020)	47.55028 (15121123)	46.41301 (15021622)	
3601847.5	52.73869 (17020408)	31.51054 (17020408)	32.38011
(16122020)	39.25735 (15121123)	37.96013 (15021622)	
3601597.5	48.79834 (17020408)	26.95095 (17122619)	27.39427
(16022802)	33.18181 (15121123)	32.93266 (17122218)	
3601347.5	39.64982 (17020408)	23.09655 (16011319)	23.81815
(16012923)	28.53326 (15121123)	30.05549 (16112308)	
3601097.5	29.06956 (17020408)	20.47169 (15022601)	21.05106
(16012923)	24.95187 (15121123)	26.93144 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP20 ***
 INCLUDING SOURCE(S): TP20 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
50968.86	510118.86		

3606097.5	23.14176 (17032607)	14.78658 (17121006)	10.06300
(16111708)	7.65295 (17020109)	6.27126 (17020109)	
3605847.5	16.47430 (17032607)	75.68817 (15033023)	17.24002
(16083007)	7.84369 (17020109)	7.57862 (16092207)	

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3605597.5	86.93149 (16121520)	70.02293 (17101124)	51.54130
(15092321)	23.68733 (16100201)	10.29043 (16081907)	
3605347.5	115.84402 (16120120)	100.63181 (16120518)	101.56693
(17021903)	20.88974 (16092207)	10.99900 (17121809)	
3605097.5	23.88206 (16083007)	11.55442 (17020109)	24.21370
(16092207)	62.23793 (15101307)	17.07518 (15082707)	
3604847.5	21.48268 (16111708)	14.67109 (16092207)	14.90940
(17121809)	10.47278 (15082707)	15.76206 (15082707)	
3604597.5	16.08081 (17020519)	18.39366 (17121809)	12.72076
(15082707)	9.97516 (17122309)	18.29558 (17032608)	
3604347.5	44.92867 (17011903)	30.79799 (15022724)	35.47101
(17032608)	42.34105 (16040707)	47.05238 (16040707)	
3604097.5	112.71481 (15121321)	81.14843 (16040707)	45.52504
(16040707)	17.41069 (17082707)	16.98140 (17082707)	
3603847.5	227.44246 (17073005)	86.17072 (15061006)	38.38817
(16090707)	26.80893 (17030408)	20.72915 (17030408)	
3603597.5	90.13601 (15022408)	54.21647 (16011417)	42.11138
(16121017)	33.69482 (16012017)	24.15327 (15061907)	
3603347.5	117.65571 (16013009)	79.36833 (16040807)	195.32548
(15022202)	40.28435 (17122717)	105.86344 (15042322)	
3603097.5	71.09751 (17010817)	162.15198 (17122124)	119.06168
(17022804)	168.84347 (15121020)	135.12595 (15022202)	
3602847.5	150.49151 (17120621)	98.47061 (16121022)	80.53237
(16121120)	95.12732 (16121203)	73.33226 (16121121)	
3602597.5	70.32533 (16121220)	89.36797 (15020908)	72.33232
(16010421)	64.40267 (16121120)	65.87065 (16122817)	
3602347.5	54.76499 (17010624)	58.63414 (17120621)	69.49609
(17021408)	54.86507 (16010601)	49.21760 (16121120)	
3602097.5	44.58639 (16022321)	41.59396 (17010406)	54.27410
(17120621)	50.03087 (17021408)	78.20259 (16010601)	
3601847.5	37.79050 (15011921)	37.79995 (15022808)	35.73064
(17120621)	45.57547 (15020908)	40.41984 (16121022)	
3601597.5	32.01134 (17123106)	37.62836 (15022808)	28.76916
(17010406)	37.32975 (17120621)	38.85881 (17021408)	
3601347.5	28.06617 (15020321)	28.51347 (15022808)	25.54667
(16121220)	25.52897 (16121008)	32.86311 (15020908)	
3601097.5	24.67258 (16121418)	24.10288 (17011319)	30.30257
(15022808)	21.65343 (17010406)	27.03554 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP20 ***
 INCLUDING SOURCE(S): TP20 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)			X-COORD (METERS)
511118.86	510368.86	510618.86	510868.86

3606097.5	7.63861 (16092207)	8.52284 (17121809)	8.02596
(17121809)	5.66352 (17032908)		
3605847.5	9.16049 (17121809)	8.80650 (17121809)	6.30482
(17032908)	6.38120 (15082707)		

3605597.5	9.77094 (17121809)	7.07186 (17032908)	7.08115
(15082707)	5.75708 (15082707)		
3605347.5	7.99687 (17032908)	7.70862 (15082707)	5.36742
(15082707)	4.90542 (17122309)		
3605097.5	8.62824 (15022724)	5.30437 (15051907)	8.46286
(17122309)	11.01476 (17122309)		
3604847.5	12.38147 (16082307)	12.97541 (17122309)	16.43750
(16040707)	25.92590 (16040707)		
3604597.5	25.38799 (16040707)	35.88946 (16040707)	34.53512
(16040707)	25.91470 (16040707)		
3604347.5	32.86998 (16040707)	17.88925 (16040707)	10.23204
(17082707)	10.77227 (17082707)		
3604097.5	15.65726 (16090707)	15.54770 (16090707)	14.77318
(16090707)	13.67967 (16090707)		
3603847.5	17.39405 (17030408)	15.73287 (15062407)	14.53985
(15062407)	13.53150 (15062407)		
3603597.5	23.34247 (16052106)	16.26703 (15061907)	12.91212
(17042907)	12.78002 (17042907)		
3603347.5	46.01820 (15091922)	14.15541 (16121017)	7.62249
(17122709)	8.15062 (15061907)		
3603097.5	35.05692 (15022408)	16.89679 (15022408)	11.80060
(17122709)	10.66454 (17122709)		
3602847.5	116.63427 (15121020)	35.51857 (15022408)	32.91248
(15022408)	20.94024 (15022408)		
3602597.5	88.78418 (15031607)	33.81568 (16040807)	40.96596
(16040807)	30.24907 (16040807)		
3602347.5	56.10221 (15013018)	71.22371 (17022804)	43.52431
(16060106)	64.51605 (16040807)		
3602097.5	86.65138 (17040307)	37.49149 (15013018)	37.88482
(16121203)	34.73658 (17022804)		
3601847.5	47.27122 (17011224)	32.83612 (16121120)	30.58880
(17122124)	29.40841 (16122817)		
3601597.5	34.09091 (16121022)	30.75418 (17011224)	29.04867
(17122518)	25.71646 (17122124)		
3601347.5	32.06220 (17021408)	25.15844 (16010421)	26.12262
(17011224)	24.20556 (17122518)		
3601097.5	28.55308 (15020908)	25.37175 (17021408)	22.68694
(16010421)	23.32637 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP20 ***
 INCLUDING SOURCE(S): TP20 ,
 *** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	442.95861 (15121608)	

507708.67	3603932.32	146.30999 (16011421)
506203.59	3603369.23	36.33123 (17011719)
507919.87	3604794.52	197.43548 (16010223)
507037.89	3604916.08	63.95698 (15021008)

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP21 ***
 INCLUDING SOURCE(S): TP21 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)	504618.86
504868.86	505118.86			

3606097.5	13.34981 (16020408)	14.38175 (16011506)	17.55410
(16012908)	19.56899 (17020308)	19.56742 (17040507)	
3605847.5	16.01897 (15040607)	15.05313 (15010408)	15.94492
(16020408)	18.14768 (16011506)	22.49402 (16012908)	
3605597.5	16.65760 (15040607)	18.44182 (15040607)	19.59018
(15040607)	19.20149 (15010408)	20.67295 (16020408)	
3605347.5	15.04130 (15012821)	15.81922 (15040607)	18.07783
(15040607)	20.17989 (15040607)	23.15305 (15040607)	
3605097.5	15.53844 (15011519)	17.03819 (17012508)	18.83222
(17012508)	18.50757 (15011608)	20.42157 (15011608)	
3604847.5	21.84126 (15040307)	21.97243 (15040307)	20.24524
(15040307)	20.05180 (16122808)	22.56014 (17012508)	
3604597.5	18.90977 (17092707)	19.39714 (17092707)	21.08985
(15040307)	25.14157 (15040307)	28.96354 (15040307)	
3604347.5	19.21925 (16040507)	19.22741 (16040507)	19.17144
(16040507)	20.91834 (16011421)	23.82844 (15122708)	
3604097.5	16.65398 (17011708)	18.62504 (17011708)	20.02314
(17011708)	21.88608 (17011708)	24.16259 (17011708)	
3603847.5	18.09208 (17021608)	19.25009 (17021608)	20.98754
(17021608)	22.49934 (17122608)	25.69715 (17122608)	
3603597.5	17.26801 (17021608)	17.66640 (17021608)	18.49925
(17021608)	19.82851 (15021102)	21.72082 (15021102)	
3603347.5	14.78554 (15011603)	16.46295 (17122908)	18.41517
(17122908)	20.15078 (17122908)	21.98017 (17122908)	
3603097.5	14.56805 (17021402)	15.79639 (17011719)	17.22370
(17011719)	19.67772 (15012720)	20.98082 (16021602)	
3602847.5	14.38888 (16021602)	15.19633 (16021602)	17.06082
(16012803)	18.47668 (16011702)	20.33519 (17120906)	
3602597.5	14.00166 (16011702)	15.30001 (17120906)	16.86546
(15011506)	21.42021 (15092907)	25.37859 (15092907)	
3602347.5	17.82840 (15092907)	20.85974 (15092907)	22.32039
(15092907)	21.32038 (15092907)	19.13357 (17010708)	
3602097.5	19.14756 (15092907)	17.17251 (15092907)	17.62855
(17092807)	22.87072 (17092807)	25.47027 (17092807)	
3601847.5	16.67704 (17092807)	20.69056 (17092807)	22.17989
(17092807)	24.81655 (15092707)	30.38999 (15092707)	
3601597.5	20.01579 (17092807)	21.41151 (15092707)	26.20445
(15092707)	27.18693 (15092707)	22.78923 (15092707)	
3601347.5	23.24709 (15092707)	24.98943 (15092707)	22.67798
(15092707)	16.76121 (15092707)	10.92953 (17122302)	
3601097.5	22.07905 (15092707)	17.92221 (15092707)	11.99469
(15092707)	9.84383 (17122105)	10.42145 (15012201)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP21 ***
 INCLUDING SOURCE(S): TP21 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS)	505868.86
506118.86	506368.86			

3606097.5	28.32550 (17040507)	26.45935 (17040507)	26.82787
(17020108)	26.61052 (16121408)	41.00200 (16120208)	
3605847.5	24.45514 (17020308)	29.09142 (17040507)	31.76044
(17040507)	30.83821 (17020108)	31.14123 (16121408)	
3605597.5	23.78488 (16011506)	28.67194 (16012908)	29.64330
(17020308)	37.27269 (17040507)	35.73523 (17020108)	
3605347.5	23.88829 (15010408)	26.00021 (16020408)	32.15231
(16012908)	37.69364 (17020308)	39.95078 (17040507)	
3605097.5	23.52510 (15040607)	28.05544 (15040607)	30.81590
(15010408)	33.91187 (16020408)	43.85255 (16012908)	
3604847.5	24.01666 (17012508)	25.70022 (15011608)	29.58511
(16010821)	33.54627 (15012401)	41.18236 (15121608)	
3604597.5	26.97076 (15040307)	28.46348 (16122808)	29.76405
(16122808)	35.38416 (17012508)	40.60628 (15011608)	
3604347.5	27.03771 (17020524)	30.79510 (17020524)	33.35570
(16020401)	34.25224 (17013020)	42.04623 (16011108)	
3604097.5	26.82836 (17011708)	31.79561 (16120722)	35.51489
(16120722)	35.68991 (16120722)	40.51971 (16011421)	
3603847.5	29.55906 (17122608)	32.43762 (17122608)	34.52007
(17122608)	39.59035 (17122608)	44.77294 (17122608)	
3603597.5	24.85936 (15021102)	27.21319 (15021102)	30.00242
(16012807)	34.91364 (16012807)	43.20167 (15011603)	
3603347.5	24.16832 (16010308)	26.59011 (16010308)	30.19396
(17011719)	35.76633 (15012720)	42.18427 (16021602)	
3603097.5	22.84618 (16021602)	26.06673 (16012803)	29.17315
(16011702)	35.00183 (17120906)	40.98166 (17122623)	
3602847.5	22.42278 (15011506)	26.71193 (15092907)	32.00826
(15092907)	33.65024 (17121720)	40.72489 (17010708)	
3602597.5	26.78062 (15092907)	24.99454 (17122824)	29.58445
(17092807)	36.09160 (17092807)	47.99005 (15092707)	
3602347.5	26.25166 (17092807)	30.10983 (17092807)	37.21954
(15092707)	41.80090 (15092707)	31.07371 (15092707)	
3602097.5	29.83589 (15092707)	35.26634 (15092707)	31.97853
(15092707)	19.46061 (15092707)	19.68583 (15012201)	
3601847.5	29.60613 (15092707)	22.20963 (15092707)	15.39917
(17122105)	16.94576 (15121422)	18.22589 (16121224)	
3601597.5	14.82933 (15092707)	13.08389 (15022607)	14.35846
(15121422)	15.64582 (16121224)	16.64385 (17121505)	
3601347.5	11.54017 (15012201)	12.53341 (17012504)	13.41427
(16121224)	14.32386 (17121505)	15.25439 (15120324)	
3601097.5	11.23525 (17012504)	11.87434 (16020405)	12.76016
(17121505)	13.48952 (15120324)	14.04534 (16021923)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP21 ***
INCLUDING SOURCE(S): TP21 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS)	507118.86
507368.86	507618.86			

3606097.5	46.86738 (16120208)	34.78460 (16010908)	56.58097
(17021308)	68.30535 (15021508)	62.07703 (17010724)	
3605847.5	46.29541 (16120208)	51.14128 (16120208)	45.37147
(16010908)	77.97700 (15021508)	72.12078 (15121303)	
3605597.5	36.96201 (16121408)	52.32156 (16120208)	52.17726
(16120208)	65.83422 (15122808)	91.99907 (15021508)	
3605347.5	42.74688 (17020108)	44.59390 (16121408)	58.19079
(16120208)	61.18041 (15121708)	63.36186 (17021308)	
3605097.5	47.76354 (17020308)	53.56381 (16011607)	62.78584
(17020108)	79.15893 (16120208)	79.45553 (16010908)	
3604847.5	46.76775 (15011008)	64.43381 (17020308)	72.90082
(15021008)	95.58519 (17020108)	122.84906 (16120208)	
3604597.5	48.02833 (17012703)	60.65195 (15121608)	74.44933
(16011506)	104.17489 (17020308)	148.80217 (17020108)	
3604347.5	49.89254 (16122808)	59.15016 (17012508)	72.53171
(15011608)	100.28507 (15121608)	145.40667 (16012908)	
3604097.5	48.54247 (16011421)	60.42533 (17020524)	76.95511
(16020401)	97.32899 (16011108)	133.84998 (17012508)	
3603847.5	50.90688 (17122608)	61.65527 (15010808)	76.17696
(15010808)	99.66813 (15010808)	139.35930 (17011708)	
3603597.5	51.18257 (17122908)	61.02984 (17122908)	75.07841
(16010308)	90.96690 (17011719)	123.34863 (16021602)	
3603347.5	49.03792 (16012803)	56.07129 (16011702)	70.88852
(15011506)	94.14704 (17121720)	116.55762 (17121308)	
3603097.5	47.54389 (16121801)	55.04188 (17010708)	68.27667
(17121308)	76.21167 (16021107)	62.24516 (15022607)	
3602847.5	48.83526 (17121308)	58.45587 (15092707)	48.29945
(15092707)	45.18817 (15121422)	50.48552 (17121505)	
3602597.5	45.73137 (15092707)	31.06924 (17122302)	35.57969
(17012504)	37.68405 (17121505)	41.84737 (16122704)	
3602347.5	24.20052 (15022607)	27.21014 (17021905)	29.90518
(17121505)	32.39572 (17010801)	35.43125 (17011624)	
3602097.5	21.46395 (17021905)	23.83830 (17121505)	25.58949
(17010801)	27.94518 (17012722)	32.73110 (17022103)	
3601847.5	19.57491 (17121505)	21.15653 (17010801)	22.45078
(16122704)	26.29688 (17040807)	28.17884 (15021805)	
3601597.5	17.70331 (15120324)	19.02682 (16122704)	20.15877
(17011624)	23.67499 (17040807)	33.93310 (17020408)	
3601347.5	16.04923 (16022007)	17.22879 (17012722)	23.92758
(17040807)	22.46773 (15041007)	41.23427 (17020408)	
3601097.5	14.90304 (17012722)	18.42591 (17040807)	19.34698
(17040807)	24.22941 (17020408)	42.30314 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP21 ***
INCLUDING SOURCE(S): TP21 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS)	508368.86
508618.86	508868.86			

3606097.5	43.05512 (17070706)	43.67440 (15022002)	20.78406
(17022408)	13.16461 (16112208)	37.45146 (17032607)	
3605847.5	87.16297 (16012808)	87.90992 (16120908)	50.06144
(17022408)	40.29632 (15111919)	86.30756 (17032607)	
3605597.5	84.61059 (17021508)	52.18853 (16021807)	55.40063
(16120106)	63.35861 (15010907)	100.05457 (17020819)	
3605347.5	54.93265 (17010208)	59.74342 (16021807)	70.74322
(17022408)	38.40397 (15111919)	127.01086 (17120924)	
3605097.5	94.66792 (15021508)	156.15971 (16012808)	40.41526
(17022408)	26.18560 (16112208)	39.28971 (17032607)	
3604847.5	187.10223 (16010223)	174.25364 (17010724)	83.97023
(17022408)	36.27998 (16091507)	23.64137 (17032607)	
3604597.5	174.82043 (15123008)	172.32028 (15021508)	64.45876
(15013009)	69.95191 (17032607)	31.47368 (16111708)	
3604347.5	192.10434 (17020108)	275.98233 (16120708)	285.93631
(16012808)	200.75490 (17032607)	55.98221 (17022620)	
3604097.5	201.98557 (17012703)	372.23516 (17020308)	623.12644
(15122808)	792.20797 (15122908)	458.94356 (16021003)	
3603847.5	222.24894 (17011708)	384.99922 (17011708)	1019.58193
(16020401)	3717.35585 (16010423)	420.91023 (16010102)	
3603597.5	190.94040 (15011506)	317.58291 (17121308)	412.92699
(15120324)	536.26146 (17062006)	150.01661 (17013017)	
3603347.5	127.14437 (16021107)	136.53763 (17121505)	224.66535
(16012324)	320.04666 (17122218)	119.21201 (17121621)	
3603097.5	76.89034 (17121505)	95.66535 (17022103)	127.22327
(16010204)	187.83325 (16022219)	171.33633 (16121220)	
3602847.5	59.74250 (17012722)	77.19162 (15021805)	85.13148
(17122619)	104.83250 (17122205)	99.96426 (15021419)	
3602597.5	52.07920 (17022103)	79.62629 (17020408)	63.51526
(16010118)	76.19257 (17122205)	72.92759 (16122021)	
3602347.5	42.69882 (15021805)	65.86118 (17020408)	48.84768
(17122005)	58.79162 (17121519)	57.39708 (15020321)	
3602097.5	50.75131 (17020408)	44.45130 (17020408)	39.15265
(16122020)	47.03049 (17121519)	46.22637 (17121306)	
3601847.5	54.58657 (17020408)	31.16830 (17122619)	32.50185
(16022802)	38.88931 (15121123)	38.34699 (15021622)	
3601597.5	47.80411 (17020408)	26.94093 (17122619)	27.49308
(16012923)	33.03778 (15121123)	32.54538 (16112308)	
3601347.5	37.30094 (17020408)	23.22453 (15022601)	23.85558
(16012923)	28.51453 (15121123)	30.46647 (16112308)	
3601097.5	26.50605 (17020408)	20.82157 (16010118)	21.27424
(17010402)	25.03221 (15121123)	27.68527 (16112308)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP21 ***
INCLUDING SOURCE(S): TP21 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS) 509618.86
509868.86	510118.86		

3606097.5	19.41431 (17032607)	13.64556 (15121322)	10.21455
(16111708)	7.69574 (17020109)	5.95908 (17020109)	
3605847.5	12.83875 (17032607)	68.58044 (15033023)	16.56032
(16083007)	7.58805 (17020109)	8.04932 (16092207)	
3605597.5	70.79963 (15021924)	65.24409 (17060105)	41.53423
(15092321)	18.63315 (15022123)	10.31481 (16081907)	
3605347.5	102.27560 (15033023)	92.30425 (16120518)	87.98947
(17022521)	20.11533 (16092207)	10.63201 (17121809)	
3605097.5	25.10868 (16083007)	11.23712 (17020109)	24.17924
(16092207)	51.23519 (17090523)	12.19511 (15110508)	
3604847.5	19.28256 (16111708)	15.67102 (16092207)	14.30949
(17121809)	10.59554 (15082707)	14.50088 (15082707)	
3604597.5	18.90860 (16092207)	17.54590 (17121809)	12.37934
(15082707)	11.15674 (17122309)	19.10600 (17032608)	
3604347.5	41.65004 (17012305)	29.74582 (15022818)	37.47070
(17032608)	45.41343 (16040707)	45.79623 (16040707)	
3604097.5	97.19188 (17012417)	79.41987 (16040707)	39.44757
(16040707)	17.77943 (17082707)	16.92619 (17082707)	
3603847.5	169.88865 (16051406)	73.32606 (15061006)	36.85149
(17030408)	25.99419 (17030408)	20.23613 (17030408)	
3603597.5	84.59660 (15022408)	50.73499 (16011417)	40.34001
(15020117)	30.74191 (16012017)	23.72522 (15061907)	
3603347.5	112.81204 (16013009)	80.65324 (16040807)	147.43886
(15022202)	36.85290 (17010617)	91.52986 (17040401)	
3603097.5	62.71995 (16022518)	161.57116 (17122124)	120.41021
(17022804)	166.37925 (15121020)	140.35681 (15022202)	
3602847.5	156.63908 (17120621)	97.13496 (16010421)	82.24073
(17122124)	94.34417 (16121203)	75.51452 (16121121)	
3602597.5	69.69333 (17010406)	87.87628 (17021408)	72.58218
(16010421)	64.69307 (16012022)	67.43569 (16122817)	
3602347.5	54.35560 (15011507)	62.13618 (17120621)	68.46732
(17021408)	55.03860 (16010601)	49.29901 (16121120)	
3602097.5	44.56193 (15021419)	41.77640 (17010406)	54.55527
(15020908)	47.87757 (17021408)	83.91719 (16010601)	
3601847.5	37.70460 (17011319)	35.86373 (16121220)	38.28180
(17120621)	44.84049 (15020908)	40.64850 (16121022)	
3601597.5	32.15621 (16122021)	38.28703 (15022808)	28.64263
(17010406)	37.70190 (17120621)	38.73245 (17021408)	
3601347.5	28.43568 (17031208)	30.95442 (15022808)	25.45730
(16121220)	25.74193 (16121008)	33.49050 (15020908)	
3601097.5	24.60528 (15020321)	24.02474 (17011319)	29.47682
(15022808)	21.89036 (16092807)	27.78364 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP21 ***
INCLUDING SOURCE(S): TP21 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS) 510868.86
511118.86			

3606097.5	7.84973 (16092207)	8.64264 (17121809)	7.80286
(17121809)	5.77666 (17032908)		
3605847.5	9.34943 (17121809)	8.54849 (17121809)	6.40866
(17032908)	6.43801 (15082707)		
3605597.5	9.46694 (17121809)	7.15344 (17032908)	7.05382
(15082707)	5.48120 (15082707)		
3605347.5	8.03213 (17032908)	7.54515 (15082707)	4.99467
(15082707)	5.33080 (17122309)		
3605097.5	7.71636 (15082707)	5.28043 (17122309)	8.97371
(17122309)	11.25092 (17122309)		
3604847.5	12.78636 (16082307)	13.28780 (17122309)	18.17609
(16040707)	27.12837 (16040707)		
3604597.5	27.86526 (16040707)	36.66167 (16040707)	33.58383
(16040707)	24.34616 (16040707)		
3604347.5	30.20928 (16040707)	15.87610 (16040707)	10.49761
(17082707)	10.90387 (17082707)		
3604097.5	15.98041 (16090707)	15.62997 (16090707)	14.70123
(16090707)	13.51722 (16090707)		
3603847.5	17.35697 (15062407)	15.88250 (15062407)	14.66313
(15062407)	13.63565 (15062407)		
3603597.5	22.59796 (16052106)	16.03613 (15061907)	13.98739
(17042907)	12.51059 (17042907)		
3603347.5	38.83270 (15091922)	13.68261 (17082908)	7.57446
(17122709)	7.94175 (15061907)		
3603097.5	34.12802 (15022408)	16.31508 (15022408)	11.71063
(17122709)	10.57973 (17122709)		
3602847.5	114.63421 (15121020)	35.59782 (15022408)	32.37092
(15022408)	20.40012 (15022408)		
3602597.5	76.91095 (15031607)	34.59761 (16040807)	40.60718
(16040807)	29.41816 (16040807)		
3602347.5	56.61112 (15013018)	72.11591 (15031607)	38.78630
(17082901)	65.32048 (16040807)		
3602097.5	94.63820 (17040307)	38.56771 (15013018)	38.46421
(16121203)	34.76204 (17022804)		
3601847.5	64.98791 (16010601)	33.06162 (16121120)	30.55054
(17122124)	29.58321 (16122817)		
3601597.5	33.91205 (16121022)	30.91036 (17011224)	29.33096
(16121120)	25.93700 (16013009)		
3601347.5	31.38987 (17021408)	25.59605 (16010421)	26.05149
(17011224)	24.20928 (16121120)		
3601097.5	28.05262 (15020908)	25.03782 (17021822)	22.84725
(16010421)	23.39129 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP21 ***
 INCLUDING SOURCE(S): TP21 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YMMDDHH)	X-COORD (M)
508226.78	3603955.63	499.87197 (15121608)	
507708.67	3603932.32	155.21836 (16011421)	
506203.59	3603369.23	37.53544 (15012720)	
507919.87	3604794.52	184.50464 (17013021)	
507037.89	3604916.08	66.74079 (15120308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP22 ***
 INCLUDING SOURCE(S): TP22 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504868.86	505118.86

3606097.5	13.78694 (15010408)	14.35286 (16020408)	16.91374
(16120805)	20.17613 (16012908)	21.21852 (17020308)	
3605847.5	17.26258 (15040607)	16.75748 (15040607)	16.56389
(15010408)	18.02699 (15011008)	22.31555 (16012908)	
3605597.5	15.87111 (15040607)	18.56529 (15040607)	21.02294
(15040607)	21.36282 (15040607)	22.05228 (15010408)	
3605347.5	16.25094 (17012508)	15.83985 (15011608)	17.25361
(15011608)	19.77851 (15040607)	24.55586 (15040607)	
3605097.5	17.96143 (16021108)	17.73543 (16122808)	19.07227
(17012508)	19.92704 (17012508)	20.92976 (15011608)	
3604847.5	21.54527 (15040307)	23.45567 (15040307)	23.62604
(15040307)	22.72224 (15040307)	24.76399 (16122808)	
3604597.5	18.37876 (17092707)	20.03116 (17092707)	21.46238
(17092707)	22.79770 (17092707)	27.34729 (15040307)	

3604347.5	20.41409 (16040507)	21.34409 (16040507)	22.43244
(16040507)	23.48056 (16040507)	24.85157 (16011421)	
3604097.5	16.32303 (17121406)	18.40849 (17121406)	19.90910
(17011708)	22.23846 (17011708)	25.25202 (17011708)	
3603847.5	20.94457 (17021608)	22.36381 (17021608)	24.51651
(17021608)	25.70440 (17021608)	28.04457 (17021608)	
3603597.5	15.38118 (15021102)	16.67885 (15021102)	18.80844
(16012807)	20.98244 (16012807)	22.73966 (16012807)	
3603347.5	15.61919 (17122908)	16.96379 (17122908)	18.66407
(16010308)	20.09944 (16010308)	22.01466 (17021402)	
3603097.5	14.89582 (17011719)	16.27206 (15012720)	17.66215
(16021602)	20.18175 (16021602)	21.12973 (16012803)	
3602847.5	14.40998 (16012803)	15.70290 (16012803)	17.68193
(16011702)	19.22587 (17120906)	20.90059 (15011506)	
3602597.5	14.38168 (15011506)	17.22518 (15092907)	21.78563
(15092907)	24.78127 (15092907)	25.12658 (15092907)	
3602347.5	20.58273 (15092907)	21.41468 (15092907)	19.98321
(15092907)	18.11069 (17092807)	24.86871 (17092807)	
3602097.5	16.02074 (15092907)	17.31691 (17092807)	22.22881
(17092807)	24.30779 (17092807)	28.12931 (15092707)	
3601847.5	20.14869 (17092807)	21.62709 (17092807)	23.47709
(15092707)	28.76151 (15092707)	29.43014 (15092707)	
3601597.5	20.38609 (15092707)	25.25550 (15092707)	26.63110
(15092707)	23.31894 (15092707)	16.11171 (15092707)	
3601347.5	24.47867 (15092707)	22.84700 (15092707)	17.68890
(15092707)	10.95168 (15092707)	10.92734 (15022607)	
3601097.5	18.52233 (15092707)	12.96692 (15092707)	9.26628
(17122105)	9.93367 (15012201)	10.63761 (17012504)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
 *** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP22 ***
 INCLUDING SOURCE(S): TP22 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
505368.86	505618.86
506118.86	506368.86

3606097.5	28.01312 (17040507)	29.91086 (17040507)	28.10857
(17020108)	27.50015 (16121408)	39.86966 (16120208)	
3605847.5	25.84629 (17020308)	27.05608 (17040507)	34.49745
(17040507)	31.37560 (17020108)	31.89037 (16121408)	
3605597.5	23.85227 (15011008)	29.92955 (16012908)	33.84393
(17020308)	38.28246 (17040507)	35.17639 (17020108)	
3605347.5	25.41210 (15040607)	28.03753 (15010408)	31.68183
(15011008)	40.31936 (16012908)	41.65204 (17010508)	
3605097.5	23.12339 (15011608)	29.19526 (15040607)	32.53324
(15121608)	37.16561 (15010408)	43.12308 (16011506)	
3604847.5	23.61736 (17012508)	27.63007 (17012508)	32.21995
(15011608)	35.68523 (17121424)	42.90051 (15121608)	
3604597.5	28.23134 (15040307)	30.73644 (15040307)	32.14543
(16122808)	36.17714 (16122808)	44.37702 (17012508)	

Otay Hills Quarry AERMOD Output File (HRA)

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3604347.5 | 28.80389 (16011421) 32.65850 (15122708) 35.32961
(17020524) 35.59684 (17122422) 42.75535 (15020702)
3604097.5 | 29.03069 (17011708) 35.77309 (17011708) 39.98408
(17011708) 39.85463 (17011708) 44.12309 (17011708)
3603847.5 | 30.67434 (17021608) 33.59617 (17122608) 35.46693
(17122608) 40.71868 (17122608) 45.70163 (17122608)
3603597.5 | 26.08397 (15011603) 29.07297 (17122908) 32.80444
(17122908) 38.14152 (17122908) 46.93611 (16010308)
3603347.5 | 24.71191 (17011719) 27.74808 (15012720) 31.45601
(16021602) 36.42471 (16021602) 43.90369 (16011702)
3603097.5 | 23.28935 (16011702) 27.45876 (17120906) 30.51272
(15011506) 36.48606 (16021406) 43.10802 (17121720)
3602847.5 | 26.20502 (15092907) 30.85508 (15092907) 29.67317
(17122824) 35.98956 (17010708) 43.60222 (17121308)
3602597.5 | 22.46935 (17122824) 28.66086 (17092807) 33.44262
(17092807) 43.74313 (15092707) 48.51326 (15092707)
3602347.5 | 28.63790 (17092807) 34.83586 (15092707) 40.37883
(15092707) 33.72531 (15092707) 22.22559 (16011206)
3602097.5 | 33.70592 (15092707) 31.77576 (15092707) 22.06650
(15092707) 18.43135 (15022607) 20.24238 (17012504)
3601847.5 | 23.23931 (15092707) 14.61909 (17122302) 15.59842
(15012201) 17.11884 (17021905) 18.15386 (16020405)
3601597.5 | 12.40483 (17122105) 13.42800 (15121422) 14.53726
(17021905) 15.55803 (17011920) 16.59462 (15013101)
3601347.5 | 11.86722 (15121422) 12.58026 (17021905) 13.38703
(17011920) 14.28292 (15013101) 15.32081 (17010801)
3601097.5 | 11.34841 (16121224) 11.83955 (17011920) 12.71408
(15013101) 13.48281 (17010801) 14.23003 (16122704)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP22 ***
INCLUDING SOURCE(S): TP22 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)
(METERS) | 506618.86 506868.86 507118.86
507368.86 507618.86
- - - - -

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3606097.5 | 50.78223 (16120208) 37.44193 (15121708) 60.00780
(17021308) 74.77455 (15021508) 71.18880 (17021320)
3605847.5 | 45.22558 (16120208) 56.83551 (16120208) 50.41087
(16010908) 81.45808 (15021508) 78.73897 (15121303)
3605597.5 | 39.17257 (17020108) 51.39899 (16120208) 59.52960
(16120208) 94.71652 (16010223) 96.76262 (15021508)
3605347.5 | 45.55338 (16011607) 50.59691 (17020108) 57.51885
(16120208) 65.82802 (15121708) 66.54857 (17021308)
3605097.5 | 55.21981 (17020308) 59.88809 (15120308) 74.55318
(17020108) 80.61287 (16120208) 90.68451 (15121708)
3604847.5 | 52.04861 (15010408) 68.77576 (16012908) 81.59298
(17010508) 111.61958 (17020108) 133.67019 (16120208)
3604597.5 | 54.01651 (15011608) 63.39338 (15012401) 83.25366
(15010408) 124.38180 (16012908) 158.43539 (17020108)

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3604347.5 | 51.03190 (16011108) 63.53465 (16122808) 81.90797
(17012508) 111.55460 (15011608) 157.86587 (15010408)
3604097.5 | 51.35088 (17011708) 64.95928 (16120722) 84.96024
(16011421) 103.28546 (17020524) 145.67137 (15020702)
3603847.5 | 50.87874 (17122608) 61.55292 (17122608) 75.11652
(17122608) 97.91216 (17122608) 142.05590 (15021102)
3603597.5 | 52.47181 (17021402) 62.20521 (15012720) 78.75588
(16021602) 95.71744 (16011702) 132.70512 (16021406)
3603347.5 | 52.91268 (17120906) 59.51498 (16021406) 75.86764
(17122824) 106.01990 (17121308) 106.85881 (16021107)
3603097.5 | 50.76814 (17010708) 61.26068 (17121308) 69.61345
(15092707) 54.70218 (17122302) 63.58999 (16121224)
3602847.5 | 56.87296 (15092707) 50.90309 (15092707) 40.39133
(15022607) 45.68015 (16020405) 49.86443 (17010801)
3602597.5 | 30.35962 (15092707) 31.63235 (15121422) 35.99453
(16020405) 37.32857 (15120324) 41.44651 (16120304)
3602347.5 | 24.86069 (15121422) 27.43746 (16020405) 30.07324
(15120324) 32.18745 (16122704) 36.98715 (17022103)
3602097.5 | 21.50910 (16020405) 23.94694 (15120324) 25.30184
(16122704) 27.36708 (17011624) 31.73838 (15121007)
3601847.5 | 19.53491 (15120324) 21.07128 (16021923) 22.40476
(16120304) 27.20043 (17040807) 34.83970 (17020408)
3601597.5 | 17.75296 (17010801) 18.97045 (17012722) 23.99911
(17040807) 22.79873 (15041007) 43.50672 (17020408)
3601347.5 | 16.23795 (16122704) 17.19821 (17011624) 22.13941
(17040807) 24.31645 (17020408) 44.68170 (17020408)
3601097.5 | 15.03063 (16120304) 22.09449 (17040807) 19.56362
(15041007) 32.56482 (17020408) 40.39134 (17020408)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP22 ***
INCLUDING SOURCE(S): TP22 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)
(METERS) | 507868.86 508118.86 508368.86
508618.86 508868.86
- - - - -

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3606097.5 | 33.96292 (15082706) 48.18752 (17022408) 17.59086
(17022408) 13.09172 (16091507) 41.21892 (17032607)
3605847.5 | 78.43683 (17021508) 94.31156 (16120908) 43.66907
(17022408) 31.17884 (16091507) 85.24746 (17032607)
3605597.5 | 90.54954 (17021508) 57.10599 (16121101) 58.77864
(17012203) 66.05075 (15010907) 90.15820 (17120924)
3605347.5 | 62.11308 (17010208) 67.56472 (16021807) 68.23106
(17022408) 44.82025 (16091507) 112.33219 (17011124)
3605097.5 | 105.10853 (15021508) 122.15171 (16012808) 42.46371
(17022408) 46.21804 (17032607) 24.30458 (16010705)
3604847.5 | 178.76724 (17021401) 163.19939 (17010724) 60.67746
(15092607) 73.77948 (17032607) 21.73372 (16111708)
3604597.5 | 206.07155 (15120408) 188.96773 (15021508) 82.91160
(15092607) 132.32982 (17032607) 42.08318 (16111708)

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Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	244.59857 (15021008)	367.57264 (15120408)	239.35281
(17021508)	215.91344 (17032607)	67.39976 (16092207)	
3604097.5	262.52047 (16122808)	452.51396 (15010408)	1161.99237
(15121708)	1212.92320 (17021903)	306.82096 (16061301)	
3603847.5	237.64261 (17122908)	415.66027 (17122908)	1321.12941
(17010708)	2514.20327 (15121020)	274.31103 (15012019)	
3603597.5	221.11225 (17121308)	206.81591 (15121422)	378.73924
(15021805)	276.03113 (15012517)	222.64460 (16013009)	
3603347.5	104.62322 (17021905)	128.62470 (17012722)	200.52829
(15012823)	273.69097 (16121418)	87.15920 (16022919)	
3603097.5	74.58819 (17022221)	96.25322 (15021805)	115.29939
(15022601)	167.79422 (17122218)	152.19548 (16121220)	
3602847.5	58.89712 (17022103)	92.37095 (17020408)	77.64854
(17122005)	91.39463 (15021621)	89.65569 (15021419)	
3602597.5	50.46748 (15121007)	73.97131 (17020408)	59.12060
(16022802)	68.43953 (16022219)	66.38775 (15011921)	
3602347.5	54.18621 (17020408)	47.54180 (17020408)	45.82127
(16012923)	54.60597 (16022219)	52.44080 (17123106)	
3602097.5	59.12019 (17020408)	35.75377 (17122619)	36.78961
(16012923)	44.01344 (17122205)	43.17762 (16121418)	
3601847.5	51.59606 (17020408)	29.75139 (16011319)	30.97100
(17010402)	36.72411 (17122205)	35.91099 (17121306)	
3601597.5	39.10662 (17020408)	25.87751 (16010118)	26.23238
(17010402)	31.26853 (17122205)	31.32189 (15021622)	
3601347.5	27.60301 (17020408)	22.74716 (16010118)	23.08567
(17121803)	26.98462 (17121519)	29.45617 (16112308)	
3601097.5	21.61168 (17111908)	20.33012 (17122005)	20.69194
(17121803)	23.91206 (17121519)	27.51281 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP22

 INCLUDING SOURCE(S): TP22 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
-	-	-	-
-	-	-	-

3606097.5	10.57046 (17032607)	15.28413 (16111708)	9.63335
(16111708)	7.56033 (17020109)	6.53280 (16092207)	
3605847.5	10.59646 (16010705)	61.46359 (17101124)	13.26883
(16083007)	6.90455 (15022224)	8.81648 (16092207)	
3605597.5	59.51493 (15021924)	57.79003 (15052306)	35.93011
(16100201)	19.92834 (16092207)	10.81298 (17121809)	
3605347.5	86.15380 (15122821)	78.44975 (17032207)	72.24715
(16021524)	15.16187 (17012509)	8.28898 (17121809)	
3605097.5	25.87004 (16083007)	11.87146 (16010706)	17.95490
(17012509)	45.93423 (15090405)	13.73710 (15110508)	
3604847.5	13.81576 (17020109)	16.91015 (17121809)	11.54280
(17032908)	9.14445 (15082707)	13.48801 (16082307)	
3604597.5	24.46633 (16092207)	14.24082 (15082707)	11.35225
(17032608)	23.97131 (17032608)	33.06269 (16040707)	

3604347.5	40.82137 (15022724)	35.53027 (17032608)	55.46955
(16040707)	47.23652 (16040707)	25.85535 (16040707)	
3604097.5	170.33782 (16040707)	48.86093 (17082707)	25.68573
(16020417)	21.28356 (16090707)	19.18831 (16090707)	
3603847.5	146.72861 (17012817)	66.54999 (17022518)	32.73051
(16052106)	22.80575 (15062407)	23.86321 (17042907)	
3603597.5	107.17421 (16040807)	50.55932 (15022408)	39.90529
(17122709)	25.74206 (16121017)	22.02298 (15020117)	
3603347.5	74.04707 (16013009)	52.50592 (16041107)	136.16497
(16040807)	47.86001 (15022408)	70.28631 (15012119)	
3603097.5	48.58306 (17020419)	211.77412 (17040307)	117.61360
(16121203)	137.80430 (17011308)	125.11287 (16121122)	
3602847.5	176.58184 (17120621)	89.77138 (16121022)	79.08979
(17122518)	87.47646 (16122817)	68.20982 (17121101)	
3602597.5	65.69661 (17010406)	80.09602 (15020908)	67.68425
(16010421)	66.10258 (17122518)	65.00929 (15013018)	
3602347.5	50.46501 (15011507)	56.94676 (17120621)	65.75407
(17021408)	51.60053 (16010421)	50.13139 (17122518)	
3602097.5	41.56444 (15022808)	39.70680 (17010406)	51.40917
(17120621)	47.80943 (17021408)	82.01355 (15011201)	
3601847.5	35.66483 (17011319)	34.44835 (16121220)	36.02293
(17120621)	42.87175 (15020908)	40.03460 (16121022)	
3601597.5	30.77561 (15011921)	37.52704 (15022808)	27.42834
(17010406)	35.81897 (17120621)	37.07767 (17021408)	
3601347.5	28.00650 (17031208)	31.94536 (15022808)	24.23144
(16121220)	24.92955 (16121008)	32.06008 (15020908)	
3601097.5	25.39260 (17031208)	23.35557 (16022321)	28.32064
(15022808)	21.64308 (16092807)	26.68477 (17120621)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP22

 INCLUDING SOURCE(S): TP22 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			
-	-	-	-
-	-	-	-

3606097.5	8.26770 (17121809)	8.78571 (17121809)	6.51400
(17121809)	6.14321 (17032908)		
3605847.5	9.68858 (17121809)	7.01695 (17121809)	6.64495
(17032908)	6.26682 (15082707)		
3605597.5	7.60249 (17121809)	7.38010 (15082707)	6.31826
(15082707)	3.84057 (15082707)		
3605347.5	8.27675 (15082707)	6.01648 (15082707)	5.26535
(17122309)	8.34534 (17122309)		
3605097.5	7.24931 (16042804)	9.27773 (17122309)	11.92359
(17122309)	14.15691 (16040707)		
3604847.5	18.81627 (17032608)	21.02452 (16040707)	30.45511
(16040707)	31.83950 (16040707)		
3604597.5	40.66271 (16040707)	33.77806 (16040707)	22.08062
(16040707)	12.45136 (16040707)		

Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	12.29806 (17082707)	12.75382 (17082707)	12.38688
(17082707)	11.55149 (17082707)		
3604097.5	16.80775 (16090707)	14.55659 (16090707)	12.56748
(16090707)	11.44284 (17030408)		
3603847.5	20.04432 (17042907)	17.10048 (15062407)	15.81005
(15062407)	14.71224 (15062407)		
3603597.5	17.64696 (15061907)	14.95019 (15061907)	13.01165
(15061907)	11.09066 (15061907)		
3603347.5	31.40075 (15091922)	13.16862 (16011417)	9.64261
(17122709)	7.53763 (17122709)		
3603097.5	40.27294 (15022408)	27.06354 (15022408)	12.92925
(15022408)	10.66988 (17122709)		
3602847.5	90.94000 (17011308)	41.43192 (16040807)	33.77610
(15022408)	27.43730 (15022408)		
3602597.5	58.07332 (16010101)	24.56819 (16040807)	37.96423
(16040807)	34.95078 (16040807)		
3602347.5	52.26784 (15013018)	66.24358 (17010220)	33.30753
(16071324)	51.60034 (16040807)		
3602097.5	84.96978 (17040307)	38.25665 (17122124)	38.17689
(16122817)	35.76251 (17022804)		
3601847.5	68.29981 (15011201)	33.50121 (17122518)	30.38984
(17122124)	29.41728 (16122817)		
3601597.5	34.55017 (16121022)	29.68237 (16010601)	29.91206
(17122518)	24.80817 (17122124)		
3601347.5	30.88366 (17021408)	23.87433 (16121022)	25.13677
(17011224)	24.60276 (17122518)		
3601097.5	26.97279 (15020908)	24.68668 (17021408)	21.40145
(16010421)	23.09111 (17011224)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: TP22
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 *** INCLUDING SOURCE(S): TP22 ,

POINTS ***
 *** DISCRETE CARTESIAN RECEPTOR

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

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

508226.78	3603955.63	689.05527 (17020524)	
507708.67	3603932.32	181.92267 (15010808)	
506203.59	3603369.23	38.48800 (16021602)	
507919.87	3604794.52	158.14101 (15122808)	
507037.89	3604916.08	75.41664 (15021008)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: TP23
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

INCLUDING SOURCE(S): TP23 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504118.86	504368.86
504868.86	505118.86

3606097.5	13.80990 (15010408)	14.40047 (16020408)	16.82408
(16120805)	20.15676 (16012908)	21.31273 (17020308)	
3605847.5	17.30478 (15040607)	16.88073 (15040607)	16.59098
(15010408)	17.90748 (15011008)	22.10088 (16012908)	
3605597.5	15.74655 (15040607)	18.49565 (15040607)	21.04602
(15040607)	21.50920 (15040607)	22.08813 (15010408)	
3605347.5	16.24382 (17012508)	15.87948 (17012508)	17.26070
(15011608)	19.65043 (15040607)	24.53495 (15040607)	
3605097.5	18.16139 (16021108)	17.79912 (16122808)	18.95240
(17012508)	19.90676 (17012508)	20.80973 (15011608)	
3604847.5	21.39489 (15040307)	23.39911 (15040307)	23.69844
(15040307)	22.94235 (15040307)	24.78650 (16122808)	
3604597.5	18.24155 (17092707)	19.94337 (17092707)	21.44777
(17092707)	22.88450 (17092707)	27.01576 (15040307)	
3604347.5	20.36179 (16040507)	21.33115 (16040507)	22.47130
(16040507)	23.58756 (16040507)	24.73084 (16011421)	
3604097.5	16.26017 (17121406)	18.34777 (17121406)	19.77770
(17011708)	22.10394 (17011708)	25.11692 (17011708)	
3603847.5	20.95244 (17021608)	22.36492 (17021608)	24.50828
(17021608)	25.68398 (17021608)	28.00682 (17021608)	
3603597.5	15.35456 (15021102)	16.63280 (15021102)	18.80756
(16012807)	20.95371 (16012807)	22.67276 (16012807)	
3603347.5	15.58095 (17122908)	16.89855 (17122908)	18.61920
(16010308)	20.01508 (16010308)	21.94943 (17011719)	
3603097.5	14.85148 (17011719)	16.24030 (15012720)	17.64162
(16021602)	20.10978 (16021602)	21.11926 (16012803)	
3602847.5	14.40179 (16012803)	15.66062 (16012803)	17.63804
(16011702)	19.17617 (17120906)	20.83706 (15011506)	
3602597.5	14.37045 (15011506)	17.31950 (15092907)	21.84176
(15092907)	24.76617 (15092907)	25.02391 (15092907)	
3602347.5	20.58460 (15092907)	21.35973 (15092907)	19.87511
(15092907)	18.19665 (17092807)	24.90323 (17092807)	
3602097.5	15.92119 (15092907)	17.38018 (17092807)	22.24891
(17092807)	24.26112 (17092807)	28.16547 (15092707)	
3601847.5	20.16020 (17092807)	21.58850 (17092807)	23.51383
(15092707)	28.74503 (15092707)	29.35401 (15092707)	
3601597.5	20.42184 (15092707)	25.25367 (15092707)	26.58257
(15092707)	23.23941 (15092707)	16.03587 (15092707)	
3601347.5	24.44845 (15092707)	22.78613 (15092707)	17.61974
(15092707)	10.89855 (15092707)	10.90515 (15022607)	
3601097.5	18.46257 (15092707)	12.91254 (15092707)	9.25038
(17122105)	9.91591 (15012201)	10.61705 (17012504)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

VALUES FOR SOURCE GROUP: TP23
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP23 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

**

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS)
506118.86	506368.86		505868.86

3606097.5 27.75110 (17040507)	30.15006 (17040507)	28.01150
(17020108) 27.34900 (16121408)	39.22773 (16120208)	
3605847.5 25.76256 (17020308)	26.57729 (17040507)	34.54284
(17040507) 31.11810 (17020108)	31.89110 (17020202)	
3605597.5 23.71608 (15011008)	29.73564 (16012908)	33.94503
(17020308) 37.99180 (17040507)	34.72244 (15013124)	
3605347.5 25.56506 (15040607)	28.07937 (15010408)	31.54884
(15011008) 40.26790 (16012908)	41.56130 (17010508)	
3605097.5 23.19496 (15011608)	29.08448 (15040607)	32.33139
(15121608) 37.21202 (15010408)	42.72320 (16011506)	
3604847.5 23.40440 (17012508)	27.57766 (17012508)	32.06588
(15011608) 35.71986 (17121424)	42.44455 (15121608)	
3604597.5 28.06363 (15040307)	30.79580 (15040307)	32.00728
(16122808) 36.32355 (16122808)	44.22667 (17012508)	
3604347.5 28.74297 (16011421)	32.53287 (16011421)	35.30530
(15122708) 35.59703 (17122422)	42.67071 (16020401)	
3604097.5 28.90098 (17011708)	35.65141 (17011708)	39.90758
(17011708) 39.85483 (17011708)	44.23137 (17011708)	
3603847.5 30.61246 (17021608)	33.34757 (17122608)	35.17424
(17122608) 40.33831 (17122608)	45.21008 (17122608)	
3603597.5 26.06251 (15011603)	29.09423 (17122908)	32.75408
(17122908) 37.97518 (17122908)	46.74060 (16010308)	
3603347.5 24.64720 (17011719)	27.68379 (15012720)	31.37508
(16021602) 36.35982 (16012803)	43.80827 (16011702)	
3603097.5 23.27217 (16011702)	27.41840 (17120906)	30.42631
(15011506) 36.40563 (16021406)	42.99449 (17121720)	
3602847.5 26.27183 (15092907)	30.79925 (15092907)	29.60230
(17122824) 35.89035 (17010708)	43.42943 (17121308)	
3602597.5 22.38928 (17122824)	28.72189 (17092807)	33.36532
(17092807) 43.75110 (15092707)	48.33388 (15092707)	
3602347.5 28.57804 (17092807)	34.86582 (15092707)	40.28820
(15092707) 33.55840 (15092707)	22.15431 (16011206)	
3602097.5 33.66336 (15092707)	31.66145 (15092707)	21.94591
(15092707) 18.37872 (15022607)	20.18175 (17012504)	
3601847.5 23.13856 (15092707)	14.58130 (17122302)	15.55948
(15012201) 17.07297 (17021905)	18.10681 (16020405)	
3601597.5 12.37654 (17122105)	13.39816 (15121422)	14.50233
(17021905) 15.51848 (17011920)	16.55167 (15013101)	
3601347.5 11.84205 (15121422)	12.55294 (17021905)	13.35657
(17011920) 14.24790 (15013101)	15.28299 (17010801)	
3601097.5 11.32499 (16121224)	11.81507 (17011920)	12.68427
(15013101) 13.44749 (17010801)	14.19125 (16122704)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP23 ***

INCLUDING SOURCE(S): TP23 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

**

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS)
507368.86	507618.86		507118.86

3606097.5 51.14465 (16120208)	37.76427 (15121708)	58.71730
(17021308) 75.49776 (15021508)	70.97524 (17021320)	
3605847.5 44.48205 (16120208)	57.49184 (16120208)	50.51531
(16010908) 81.17083 (16021523)	77.78455 (15121303)	
3605597.5 39.67158 (17020108)	50.53859 (16120208)	60.59723
(16120208) 94.49530 (16010223)	97.65013 (15021508)	
3605347.5 45.57829 (16011607)	51.04316 (17020108)	56.54502
(16120208) 65.45991 (15121708)	65.50101 (17021308)	
3605097.5 55.18295 (17020308)	60.08301 (15021008)	74.74732
(17020108) 79.25392 (16120208)	91.59574 (15121708)	
3604847.5 52.08929 (15010408)	67.83510 (16012908)	82.66592
(17020308) 110.70233 (17020108)	132.19670 (15120408)	
3604597.5 53.88286 (15011608)	63.08905 (15012401)	83.23282
(15010408) 124.07015 (16012908)	156.01260 (16011607)	
3604347.5 50.53242 (16011108)	63.30806 (16122808)	81.30944
(17012508) 112.17035 (15011608)	157.38812 (15010408)	
3604097.5 51.67314 (17011708)	64.96632 (16120722)	84.44466
(16011421) 102.62206 (15122708)	144.68859 (15020702)	
3603847.5 50.22620 (17122608)	60.61569 (17122608)	73.70280
(17122608) 96.67924 (17121523)	141.13650 (15021102)	
3603597.5 52.33519 (17011719)	62.02456 (15012720)	78.17640
(16021602) 95.14110 (17120906)	131.60536 (16021406)	
3603347.5 52.66288 (15011506)	59.29317 (16021406)	75.50647
(17122824) 105.33790 (17121308)	105.70802 (16021107)	
3603097.5 50.68104 (17010708)	60.96851 (17121308)	69.39569
(15092707) 54.37288 (17122302)	63.16576 (16121224)	
3602847.5 56.81784 (15092707)	50.60089 (15092707)	40.19430
(15022607) 45.43808 (16020405)	49.55954 (17010801)	
3602597.5 30.15525 (15092707)	31.50817 (15121422)	35.83818
(16020405) 37.18154 (15120324)	41.20947 (16120304)	
3602347.5 24.77416 (15121422)	27.34014 (16020405)	29.95950
(15120324) 32.08414 (16122704)	36.75326 (17022103)	
3602097.5 21.44496 (16020405)	23.86147 (15120324)	25.19236
(16122704) 27.29557 (17011624)	31.58445 (15121007)	
3601847.5 19.46921 (15120324)	21.01437 (16021923)	22.32776
(16120304) 27.24799 (17040807)	34.29490 (17020408)	
3601597.5 17.71365 (17010801)	18.90446 (17012722)	23.85635
(17040807) 22.63363 (15041007)	43.13027 (17020408)	
3601347.5 16.20463 (16122704)	17.15904 (17011624)	22.22251
(17040807) 24.04143 (15041007)	44.56497 (17020408)	
3601097.5 14.99416 (16120304)	22.03412 (17040807)	19.43473
(15041007) 32.22663 (17020408)	40.49333 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP23 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP23 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS)
508618.86	508868.86		508368.86

3606097.5 33.73806 (15082706)	47.41263 (17022408)	18.14452
(17022408) 12.80833 (16091507)	41.32503 (17032607)	
3605847.5 79.70941 (17021508)	96.98098 (16120908)	44.94122
(17022408) 30.57420 (16091507)	86.20113 (17032607)	
3605597.5 89.65375 (17021508)	56.27048 (16121101)	59.01099
(16120106) 66.77588 (15010907)	90.06770 (17120924)	
3605347.5 62.07190 (17010208)	68.01474 (16021807)	69.60028
(17022408) 44.23272 (16091507)	113.46906 (17011124)	
3605097.5 105.52794 (15021508)	123.36944 (16012808)	42.91475
(17022408) 44.59428 (17032607)	24.63824 (16010705)	
3604847.5 180.27108 (17021401)	163.44923 (17010724)	62.49263
(15092607) 72.13449 (17032607)	21.42708 (16111708)	
3604597.5 205.26930 (15120408)	186.66504 (15021508)	81.71677
(15092607) 132.94460 (17032607)	43.07345 (16111708)	
3604347.5 248.84487 (17020308)	371.66495 (15120408)	246.04992
(17021508) 231.62592 (17032607)	68.21488 (16092207)	
3604097.5 263.98151 (16122808)	449.85775 (15121608)	1158.70553
(15121708) 1207.89655 (17021903)	308.46093 (17110207)	
3603847.5 237.77234 (17122908)	404.51810 (16010308)	1280.49918
(17010708) 2482.01115 (16120121)	277.63336 (16120118)	
3603597.5 218.98477 (17121308)	203.64146 (15121422)	369.86555
(15021805) 271.62942 (17062006)	212.78405 (16013009)	
3603347.5 103.64037 (17021905)	127.00910 (17012722)	197.29126
(15012823) 270.55036 (17121306)	87.34359 (16022919)	
3603097.5 73.94978 (17022221)	95.33258 (15121007)	114.16895
(15022601) 167.04542 (17122218)	152.39034 (16121220)	
3602847.5 58.19596 (17022103)	91.41339 (17020408)	77.22159
(17122005) 90.56892 (15021621)	89.66675 (15021419)	
3602597.5 50.15753 (15121007)	74.41965 (17020408)	59.01049
(16122020) 68.37612 (16022219)	66.21231 (15011921)	
3602347.5 53.38235 (17020408)	48.36736 (17020408)	45.59013
(16022802) 54.32976 (16022219)	52.32313 (15020321)	
3602097.5 58.84508 (17020408)	35.56449 (17122619)	36.72263
(16012923) 43.94018 (17122205)	43.07321 (16121418)	
3601847.5 51.77760 (17020408)	29.66474 (16011319)	30.86520
(17010402) 36.59062 (17122205)	35.75731 (17121306)	
3601597.5 39.49757 (17020408)	25.75898 (15022601)	26.20239
(17010402) 31.11345 (17122205)	31.19272 (15021622)	
3601347.5 28.01932 (17020408)	22.70467 (16010118)	23.00227
(17121803) 26.96864 (17121519)	29.56139 (16112308)	
3601097.5 21.70128 (17111908)	20.28016 (17122005)	20.64783
(17121803) 23.87526 (17121519)	27.50569 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP23 ***

INCLUDING SOURCE(S): TP23 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS)
509868.86	510118.86		509618.86

3606097.5 11.01937 (17032607)	15.10614 (16111708)	9.70280
(16111708) 7.58818 (17020109)	6.50869 (16092207)	
3605847.5 10.84482 (16010705)	61.90857 (17101124)	13.40927
(16083007) 6.96587 (15022224)	8.84114 (16092207)	
3605597.5 60.22166 (15021924)	58.16843 (15052306)	35.72562
(16100201) 19.96064 (16092207)	10.83793 (17121809)	
3605347.5 86.75172 (15122821)	78.90679 (17032207)	72.07386
(16021524) 15.21802 (17012509)	8.31695 (17121809)	
3605097.5 26.07451 (16083007)	11.90702 (16010706)	18.02889
(17012509) 45.99365 (15090405)	13.76738 (15110508)	
3604847.5 13.92681 (17020109)	16.96492 (17121809)	11.58105
(17032908) 9.15319 (15082707)	13.56471 (16082307)	
3604597.5 24.84668 (16092207)	14.30616 (15082707)	11.64378
(17032608) 24.28751 (17032608)	33.55919 (16040707)	
3604347.5 41.08468 (15022724)	36.05579 (17032608)	56.13101
(16040707) 46.91667 (16040707)	25.32824 (16040707)	
3604097.5 168.47990 (16040707)	49.60459 (17082707)	26.14659
(17091207) 21.45774 (16090707)	19.20648 (16090707)	
3603847.5 148.89655 (17012817)	71.51180 (17012817)	34.06135
(16052106) 22.66782 (15061907)	24.11008 (17042907)	
3603597.5 108.60909 (16040807)	53.88112 (15022408)	40.24368
(17122709) 25.04171 (16121017)	22.09080 (15020117)	
3603347.5 69.25949 (16013009)	54.31296 (16041107)	138.12442
(16040807) 48.84096 (15022408)	70.07671 (17091920)	
3603097.5 47.72099 (17020419)	210.30633 (17040307)	118.60853
(16121203) 138.03720 (17011308)	123.28057 (16121122)	
3602847.5 172.11484 (17120621)	90.56691 (16121022)	80.10652
(17122518) 87.45115 (16122817)	68.83247 (17022804)	
3602597.5 65.42404 (17010406)	80.03795 (15020908)	66.96095
(16010421) 66.73828 (17122518)	64.86906 (15013018)	
3602347.5 50.40775 (15011507)	55.64794 (17120621)	65.84009
(17021408) 51.53920 (16010421)	50.51026 (17122518)	
3602097.5 41.31800 (15021419)	39.71007 (17010406)	51.51380
(17120621) 48.44824 (17021408)	81.38020 (15011201)	
3601847.5 35.66970 (17011319)	34.28210 (16121220)	35.14788
(17120621) 42.94583 (15020908)	39.97140 (16121022)	
3601597.5 30.65083 (15011921)	37.58832 (15022808)	27.48299
(17010406) 35.60668 (17120621)	36.99163 (17021408)	
3601347.5 28.03588 (17031208)	31.42904 (15022808)	24.24925
(16121220) 24.88582 (16121008)	31.79873 (15020908)	
3601097.5 25.18016 (17031208)	23.30896 (16022321)	28.68074
(15022808) 21.57468 (16092807)	26.41405 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP23 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP23 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 510368.86 510618.86 X-COORD (METERS) 510868.86

511118.86

3606097.5 | 8.26869 (17121809) 8.80287 (17121809) 6.53026
(17121809) 6.15212 (17032908)
3605847.5 | 9.70904 (17121809) 7.03611 (17121809) 6.65542
(17032908) 6.27347 (15082707)
3605597.5 | 7.62542 (17121809) 7.39443 (15082707) 6.32273
(15082707) 3.83543 (15082707)
3605347.5 | 8.29325 (15082707) 6.01638 (15082707) 5.31043
(17122309) 8.39800 (17122309)
3605097.5 | 7.26248 (16042804) 9.34842 (17122309) 11.97509
(17122309) 14.37063 (16040707)
3604847.5 | 18.95471 (17032608) 21.34828 (16040707) 30.69440
(16040707) 31.87377 (16040707)
3604597.5 | 40.81981 (16040707) 33.59134 (16040707) 21.78825
(16040707) 12.20897 (16040707)
3604347.5 | 12.44998 (17082707) 12.84712 (17082707) 12.42921
(17082707) 11.55563 (17082707)
3604097.5 | 16.74238 (16090707) 14.45102 (16090707) 12.44603
(16090707) 11.56178 (17030408)
3603847.5 | 20.43760 (17042907) 17.06243 (15062407) 15.79063
(15062407) 14.70504 (15062407)
3603597.5 | 17.31020 (15061907) 14.83585 (15061907) 12.99975
(15061907) 11.13495 (15061907)
3603347.5 | 31.11311 (15091922) 13.20854 (16011417) 9.78179
(17122709) 7.67423 (17122709)
3603097.5 | 40.47088 (15022408) 27.95391 (15022408) 13.61807
(15022408) 10.66763 (17122709)
3602847.5 | 92.51197 (17011308) 41.97645 (16040807) 33.69977
(15022408) 27.95916 (15022408)
3602597.5 | 57.80562 (16010101) 23.60879 (16040807) 37.56548
(16040807) 35.38405 (16040807)
3602347.5 | 52.16372 (17122124) 66.68387 (17010220) 33.11583
(16071324) 50.69566 (17011308)
3602097.5 | 83.38818 (17040307) 38.35723 (17122124) 38.31215
(16122817) 35.83364 (17022804)
3601847.5 | 68.24374 (15011201) 33.67390 (17122518) 30.33954
(17122124) 29.34924 (16122817)
3601597.5 | 34.76142 (16121022) 29.74708 (16010601) 30.04385
(17122518) 24.69044 (17122124)
3601347.5 | 31.05970 (17021408) 24.15145 (16121022) 25.05163
(17011224) 24.69683 (17122518)
3601097.5 | 27.03933 (15020908) 24.97274 (17021408) 21.21215
(16010421) 23.05501 (17011224)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP23 ***

INCLUDING SOURCE(S): TP23 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

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

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

508226.78 3603955.63 677.27730 (15122708)
507708.67 3603932.32 182.04349 (17122608)
506203.59 3603369.23 38.24868 (16012803)
507919.87 3604794.52 158.21685 (15122808)
507037.89 3604916.08 74.80978 (15021008)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP3 ***
INCLUDING SOURCE(S): TP3 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

Y-COORD (METERS) | 504118.86 504368.86 X-COORD (METERS) 504618.86

504868.86 505118.86

3606097.5 | 13.08154 (16020408) 15.05053 (16120805) 17.98103
(16012908) 19.42034 (17020308) 21.49534 (17040507)
3605847.5 | 15.08299 (15040607) 14.88222 (15010408) 15.51985
(16020408) 18.65998 (16120805) 22.27704 (16012908)
3605597.5 | 16.93987 (15040607) 18.10428 (15040607) 18.43636
(15040607) 18.77266 (15010408) 20.03874 (15011008)
3605347.5 | 15.13117 (15011608) 16.89174 (15040607) 18.70717
(15040607) 20.07844 (15040607) 21.86787 (15040607)
3605097.5 | 15.24258 (17010407) 17.19030 (17012508) 18.25193
(17012508) 18.84709 (15011608) 20.37115 (15040607)
3604847.5 | 21.04955 (15040307) 20.22459 (15040307) 18.52812
(16122808) 19.06650 (15011519) 22.96091 (17012508)
3604597.5 | 18.34789 (17092707) 19.47647 (15040307) 22.64928
(15040307) 25.75021 (15040307) 27.99666 (15040307)
3604347.5 | 17.79707 (16040507) 17.35583 (16040507) 18.50317
(16011421) 21.08342 (17092707) 23.75641 (17092707)
3604097.5 | 17.04847 (16040507) 19.09628 (16040507) 20.64194
(16040507) 22.51535 (16040507) 24.61379 (16040507)
3603847.5 | 16.33268 (15010808) 17.93473 (15010808) 20.31173
(15010808) 22.00359 (15010808) 24.97686 (15010808)
3603597.5 | 18.80680 (17021608) 19.46715 (17021608) 20.63375
(17021608) 21.45610 (17021608) 21.89388 (17021608)
3603347.5 | 14.55590 (16012807) 16.03405 (15011603) 17.83201
(17122908) 19.83699 (17122908) 22.05327 (17122908)

Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 14.54722 (16010308) 15.70988 (17021402) 17.09127
(17011719) 19.41917 (17011719) 20.90109 (15012720)
3602847.5 | 14.29438 (16021602) 15.48575 (16021602) 16.55461
(16012803) 18.33280 (16012803) 20.13797 (16011702)
3602597.5 | 13.93733 (16011702) 15.15444 (17120906) 16.63623
(15011506) 19.36602 (15092907) 24.17189 (15092907)
3602347.5 | 16.31013 (15092907) 19.85829 (15092907) 22.24195
(15092907) 22.39260 (15092907) 20.05534 (15092907)
3602097.5 | 19.66397 (15092907) 18.45105 (15092907) 15.67594
(17092807) 21.48556 (17092807) 25.45551 (17092807)
3601847.5 | 15.13963 (17092807) 19.67813 (17092807) 22.23165
(17092807) 22.91477 (15092707) 29.61527 (15092707)
3601597.5 | 20.08351 (17092807) 19.75887 (15092707) 25.31158
(15092707) 27.61748 (15092707) 24.48059 (15092707)
3601347.5 | 22.29476 (15092707) 25.00636 (15092707) 23.77375
(15092707) 18.48310 (15092707) 11.37318 (15092707)
3601097.5 | 22.72367 (15092707) 19.25167 (15092707) 13.48348
(15092707) 9.82369 (17122105) 10.38979 (15012201)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP3 ***
INCLUDING SOURCE(S): TP3 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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** ** CONC OF TAC IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) |
506118.86 505368.86 505618.86 505868.86
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3606097.5 | 28.01955 (17040507) 23.35970 (17040507) 25.75182
(17020108) 25.81361 (16121408) 42.73818 (16120208)
3605847.5 | 23.16056 (17020308) 30.10130 (17040507) 28.91927
(17040507) 30.32568 (17020108) 30.44179 (16121408)
3605597.5 | 24.66008 (16012908) 28.27133 (17020308) 30.92329
(17040507) 35.37763 (17040507) 36.10405 (17020108)
3605347.5 | 23.34174 (15010408) 25.51766 (15011008) 32.83862
(16012908) 35.59752 (17020308) 40.31607 (17040507)
3605097.5 | 23.79502 (15040607) 26.66117 (15040607) 30.10253
(15010408) 33.83710 (16011506) 42.98253 (16012908)
3604847.5 | 23.56154 (17012508) 25.86927 (15011608) 29.22984
(15040607) 33.74698 (15121608) 40.09084 (15010408)
3604597.5 | 25.05602 (16122808) 27.65701 (16122808) 30.41887
(17012508) 34.58295 (17012508) 39.28682 (15011608)
3604347.5 | 26.46331 (17020524) 30.07790 (16020401) 33.12894
(15040307) 35.36443 (16011108) 42.62254 (16122808)
3604097.5 | 26.78824 (16040507) 30.96631 (16120722) 33.75495
(16011421) 35.80681 (16011421) 40.47928 (16011421)
3603847.5 | 28.55230 (15010808) 31.25229 (15010808) 33.35420
(15010808) 37.98794 (15010808) 42.81023 (15010808)
3603597.5 | 23.95216 (17121523) 26.47570 (15021102) 29.76916
(15021102) 34.50279 (15021102) 41.99885 (15021102)
3603347.5 | 24.37102 (17122908) 26.91672 (16010308) 29.97703
(16010308) 35.24406 (17011719) 41.42521 (15012720)

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3603097.5 | 22.93390 (16021602) 25.84006 (16021602) 28.79153
(16012803) 34.17369 (17120906) 40.58255 (15011506)
3602847.5 | 22.37398 (17120906) 25.52378 (15011506) 30.59204
(15092907) 34.79881 (15092907) 38.83566 (17010704)
3602597.5 | 27.11836 (15092907) 26.67681 (15092907) 28.06697
(17010708) 35.69084 (17092807) 44.58841 (15092707)
3602347.5 | 24.19377 (17092807) 29.95064 (17092807) 34.42301
(15092707) 42.19049 (15092707) 34.83481 (15092707)
3602097.5 | 27.56100 (15092707) 34.85479 (15092707) 34.11722
(15092707) 22.70250 (15092707) 19.59229 (15022607)
3601847.5 | 30.69158 (15092707) 24.65549 (15092707) 15.48186
(17122302) 16.70903 (15121422) 18.20866 (17021905)
3601597.5 | 16.92591 (15092707) 13.04577 (17122105) 14.37259
(15121422) 15.59030 (16121224) 16.64830 (17121505)
3601347.5 | 11.47726 (15022607) 12.44345 (15121422) 13.44556
(16121224) 14.31680 (17121505) 15.29270 (15120324)
3601097.5 | 11.22937 (17012504) 11.86073 (16121224) 12.73353
(17121505) 13.42938 (15120324) 14.10471 (17010801)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP3 ***
INCLUDING SOURCE(S): TP3 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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** ** CONC OF TAC IN MICROGRAMS/M**3
Y-COORD | X-COORD (METERS)
(METERS) |
507368.86 506618.86 506868.86 507118.86
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3606097.5 | 42.77541 (16120208) 34.39781 (16010908) 57.52002
(17021308) 60.96956 (15021508) 64.22274 (17021508)
3605847.5 | 47.96134 (16120208) 45.16226 (16120208) 42.34607
(15122808) 76.77326 (15021508) 66.94706 (15121303)
3605597.5 | 36.53142 (16121408) 53.76407 (16120208) 48.13343
(15121708) 63.50131 (17021308) 85.06811 (15021508)
3605347.5 | 44.19548 (17020108) 44.79813 (16121408) 59.15612
(16120208) 58.06520 (16120708) 62.89783 (15021508)
3605097.5 | 45.73025 (15021008) 52.71647 (17020108) 60.02868
(16121408) 77.93164 (16120208) 75.19293 (16010908)
3604847.5 | 48.40854 (16012908) 61.65759 (17020308) 67.98133
(16011607) 84.40177 (16121408) 112.91209 (16120208)
3604597.5 | 46.40457 (15012401) 58.42096 (15010408) 78.95690
(16012908) 95.69961 (15021008) 131.63599 (17020108)
3604347.5 | 47.96020 (17012508) 57.68753 (17012508) 68.87289
(17012703) 96.21403 (15010408) 142.42051 (17020308)
3604097.5 | 48.45451 (17020524) 59.66128 (16020401) 76.20177
(16011108) 98.43909 (16122808) 129.11715 (17012508)
3603847.5 | 49.89061 (17011708) 61.98975 (17011708) 78.68685
(17011708) 103.80765 (17011708) 142.18808 (17011708)
3603597.5 | 48.56354 (16012807) 58.57450 (17122908) 75.59377
(17122908) 93.82214 (17122908) 124.80568 (17011719)
3603347.5 | 49.21258 (16021602) 55.27152 (16012803) 70.49365
(17120906) 92.09149 (16021406) 115.08628 (17010708)

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Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 47.33171 (16021406) 54.60193 (17122824) 66.60327
(17121308) 77.01114 (16021107) 63.83392 (17122302)
3602847.5 | 47.71448 (17121308) 55.56293 (15092707) 54.95013
(15092707) 44.61934 (15012201) 51.75694 (17121505)
3602597.5 | 48.18046 (15092707) 32.75692 (15092707) 35.54899
(15121422) 38.11470 (17121505) 42.53172 (16021923)
3602347.5 | 24.12532 (16011206) 27.24708 (17012504) 30.01549
(17121505) 33.04230 (17010801) 36.14406 (17011624)
3602097.5 | 21.51999 (17021905) 23.89896 (17121505) 25.60571
(17010801) 28.25378 (17012722) 33.43637 (17022103)
3601847.5 | 19.61039 (17121505) 21.32931 (15120324) 22.81765
(16122704) 25.28827 (17040807) 28.71554 (15121007)
3601597.5 | 17.88903 (15120324) 18.91882 (16122704) 20.26688
(16120304) 24.54819 (17040807) 33.00423 (17020408)
3601347.5 | 16.07926 (16021923) 17.37434 (17012722) 23.60987
(17040807) 22.10614 (15041007) 40.83399 (17020408)
3601097.5 | 14.81115 (16011202) 17.46814 (17040807) 20.09304
(17040807) 23.42127 (17020408) 42.31405 (17020408)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP3 ***
INCLUDING SOURCE(S): TP3 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) |
508618.86 | 507868.86 508118.86 508368.86
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3606097.5 | 49.18113 (17070706) 50.11453 (17020823) 20.55609
(16112208) 12.50946 (16112208) 37.21789 (17032607)
3605847.5 | 92.86465 (16012808) 62.90032 (16120908) 51.17908
(16051624) 49.59295 (15100707) 85.02924 (17032607)
3605597.5 | 88.83994 (16012808) 47.56378 (16121101) 51.26016
(16120106) 60.34891 (15010907) 99.99101 (17020819)
3605347.5 | 54.79977 (17021508) 55.78244 (16021807) 73.59575
(16051624) 51.58143 (15111919) 127.57297 (17120924)
3605097.5 | 86.16827 (15021508) 161.68290 (16012808) 39.81069
(17022408) 23.73187 (17032607) 38.10705 (17032607)
3604847.5 | 175.51254 (15120107) 167.90083 (17021320) 87.39909
(17022408) 37.30234 (17032607) 23.10966 (17032607)
3604597.5 | 168.66337 (16120708) 181.29899 (16021103) 69.18202
(15092607) 68.82124 (17032607) 27.26628 (16111708)
3604347.5 | 189.96894 (17020108) 248.58991 (15121708) 382.37922
(16012808) 196.29823 (17032607) 53.18917 (15122317)
3604097.5 | 199.52423 (15010408) 322.63747 (17020108) 468.37036
(15120107) 581.33706 (15122908) 548.98038 (17011520)
3603847.5 | 205.12197 (16120722) 366.53501 (16020401) 1039.96038
(15121608) 2340.06946 (17020508) 590.37569 (17122021)
3603597.5 | 187.43046 (16012803) 322.28543 (17121720) 496.62358
(16121224) 835.86867 (15020108) 198.88960 (16020517)
3603347.5 | 152.33429 (16021107) 148.37086 (16020405) 245.38174
(16021904) 336.14190 (15021622) 141.10233 (17010817)

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3603097.5 | 79.58545 (17121505) 101.79589 (17011624) 135.80962
(16120124) 189.13086 (15021621) 168.25961 (17010406)
3602847.5 | 62.44617 (16122704) 80.83609 (15021805) 90.06748
(17122619) 111.45678 (16022219) 103.76787 (15021419)
3602597.5 | 52.89734 (17022103) 79.78368 (17020408) 66.10117
(16010118) 80.28817 (17122205) 76.71916 (15011921)
3602347.5 | 43.73142 (15021805) 67.12681 (17020408) 50.64710
(16122020) 61.39137 (17122205) 59.33139 (15020321)
3602097.5 | 49.83971 (17020408) 45.38966 (17020408) 40.27975
(16022802) 48.66892 (17121519) 47.83258 (16121418)
3601847.5 | 54.67102 (17020408) 31.98587 (17020905) 33.25743
(16022802) 40.07988 (17121519) 39.38864 (15021622)
3601597.5 | 48.30650 (17020408) 27.46206 (17122619) 28.10503
(16012923) 33.74312 (17121519) 33.19349 (15021622)
3601347.5 | 37.78218 (17020408) 23.61662 (15022601) 24.28767
(17010402) 29.03891 (15121123) 30.40571 (16112308)
3601097.5 | 26.85660 (17020408) 21.08669 (16010118) 21.51925
(17010402) 25.43171 (15121123) 27.90731 (16112308)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP3 ***
INCLUDING SOURCE(S): TP3 ,

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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)
(METERS) |
509868.86 | 509118.86 509368.86 509618.86
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3606097.5 | 19.10035 (17032607) 14.02839 (15121322) 10.04154
(16111708) 7.57660 (17020109) 6.08587 (17020109)
3605847.5 | 12.71696 (17032607) 70.59431 (15033023) 16.62835
(16083007) 7.63826 (17020109) 7.55895 (16092207)
3605597.5 | 82.73833 (16121520) 66.87501 (15080402) 50.17165
(15092321) 24.23628 (16100201) 10.13460 (16081907)
3605347.5 | 106.28281 (15033023) 102.11375 (16120518) 98.30742
(17021903) 20.46118 (16092207) 10.83437 (17121809)
3605097.5 | 24.15506 (16083007) 11.18655 (17020109) 23.72265
(16092207) 63.47163 (15101307) 16.47980 (15082707)
3604847.5 | 19.19464 (16111708) 14.20588 (16092207) 14.57116
(17121809) 10.25359 (17032908) 16.07655 (15082707)
3604597.5 | 15.05492 (16092207) 17.83750 (17121809) 12.39609
(15082707) 8.63767 (17122309) 15.97902 (17032608)
3604347.5 | 41.83516 (17011903) 32.49361 (15022724) 29.24922
(17032608) 35.44319 (16040707) 46.13202 (16040707)
3604097.5 | 110.72913 (17110207) 70.58829 (16040707) 53.57490
(16040707) 23.84718 (16040707) 15.90037 (17082707)
3603847.5 | 220.91454 (15090204) 93.59390 (17103122) 46.65571
(16090707) 24.70748 (17030408) 19.83366 (17030408)
3603597.5 | 61.38626 (16012817) 55.52488 (15020117) 45.82517
(16012017) 31.71968 (15021718) 27.78302 (16052106)
3603347.5 | 90.23616 (16013009) 86.43252 (16040807) 197.31067
(17022805) 40.16540 (17020318) 110.46118 (16012801)

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Otay Hills Quarry AERMOD Output File (HRA)

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3603097.5 | 77.24935 (16040518) 168.22091 (15013018) 118.17780
(16121121) 164.59225 (15121020) 131.57424 (15022202)
3602847.5 | 167.45587 (15020908) 103.38635 (16010601) 86.07904
(17122124) 92.28000 (17022804) 77.11928 (16040807)
3602597.5 | 70.11111 (17010406) 93.97391 (17021408) 74.21399
(17011224) 66.87341 (17122124) 65.20061 (16121203)
3602347.5 | 55.45064 (15011507) 68.71211 (17120621) 65.22983
(17021408) 56.27147 (17011224) 49.17708 (17122124)
3602097.5 | 45.41920 (15021419) 41.56259 (17122024) 57.64758
(15020908) 48.58363 (16121022) 76.71412 (17011224)
3601847.5 | 38.37757 (17011319) 36.69339 (16121220) 42.71758
(17120621) 47.11305 (17021408) 38.74906 (16121022)
3601597.5 | 32.75319 (15011921) 37.82728 (15022808) 28.62711
(17122024) 38.41716 (17120621) 38.49232 (17021408)
3601347.5 | 28.53853 (17031208) 32.96734 (15022808) 25.53637
(16121220) 28.66758 (17120621) 34.30317 (15020908)
3601097.5 | 25.41288 (17031208) 24.37213 (16022321) 27.79512
(15022808) 21.88772 (16092807) 28.91679 (17120621)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP3 ***
INCLUDING SOURCE(S): TP3 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 510368.86 510618.86 510868.86
511118.86

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3606097.5 | 7.57977 (16092207) 8.41572 (17121809) 7.94744
(17121809) 5.56081 (17032908)
3605847.5 | 9.03454 (17121809) 8.70894 (17121809) 6.18623
(17032908) 6.26554 (15082707)
3605597.5 | 9.64641 (17121809) 6.93441 (17032908) 6.97647
(15082707) 5.81720 (15082707)
3605347.5 | 7.83788 (17032908) 7.63888 (15082707) 5.49564
(15082707) 4.44467 (17122309)
3605097.5 | 8.86887 (15022724) 5.33612 (15051907) 7.77741
(17122309) 10.49759 (17122309)
3604847.5 | 12.01649 (15022818) 12.25762 (17122309) 13.76699
(16040707) 23.35532 (16040707)
3604597.5 | 21.15764 (16040707) 33.13356 (16040707) 34.75584
(16040707) 28.02046 (16040707)
3604347.5 | 36.39282 (16040707) 21.72638 (16040707) 11.09106
(16040707) 9.98089 (17082707)
3604097.5 | 15.12106 (17082707) 14.24902 (16090707) 14.13574
(16090707) 13.52685 (16090707)
3603847.5 | 17.06237 (17030408) 15.31347 (17030408) 14.03374
(17030408) 12.99222 (17030408)
3603597.5 | 26.56292 (16052106) 14.09322 (15061907) 12.96426
(17042907) 12.64985 (17042907)
3603347.5 | 47.54838 (15101507) 15.75290 (15020117) 9.59061
(15061907) 9.52303 (15061907)

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3603097.5 | 26.92450 (15012417) 13.07302 (15080207) 11.59275
(17122709) 9.99608 (17122709)
3602847.5 | 110.24987 (16121122) 37.36137 (15022408) 27.97529
(15022408) 15.17371 (15022408)
3602597.5 | 83.70182 (15031607) 40.29831 (16040807) 38.68354
(16040807) 31.38804 (15022408)
3602347.5 | 56.57143 (16122817) 77.96195 (15031607) 49.64585
(16040807) 71.62701 (16040807)
3602097.5 | 86.93973 (17040307) 38.65063 (15013018) 36.08664
(17022804) 34.30881 (17121101)
3601847.5 | 47.91625 (17011224) 31.57212 (16012022) 30.71486
(15013018) 29.28506 (16121203)
3601597.5 | 33.67145 (16010421) 30.59020 (17011224) 28.04634
(16121120) 26.71992 (16013009)
3601347.5 | 29.86872 (17021408) 26.94905 (16010421) 25.75972
(17021621) 23.51827 (16121120)
3601097.5 | 29.19485 (17021408) 25.46296 (16121022) 23.46164
(16010421) 23.03198 (17021621)

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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP3 ***
INCLUDING SOURCE(S): TP3 ,
*** DISCRETE CARTESIAN RECEPTOR

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POINTS ***

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

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

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508226.78 3603955.63 545.23328 (16012908)
507708.67 3603932.32 152.36570 (16020401)
506203.59 3603369.23 36.95699 (17011719)
507919.87 3604794.52 193.01265 (15120107)
507037.89 3604916.08 62.75926 (16011607)

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP4 ***
INCLUDING SOURCE(S): TP4 ,
*** NETWORK ID: UCART1 ; NETWORK TYPE:

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GRIDCART ***

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

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Y-COORD | X-COORD (METERS)

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Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	504118.86	504368.86	504618.86
504868.86	505118.86		
3606097.5	13.22156 (16020408)	14.95298 (16120805)	17.98467
(16012908)	19.59099 (17020308)	21.23536 (17040507)	
3605847.5	15.44351 (15040607)	15.02555 (15010408)	15.73544
(16020408)	18.70745 (16120805)	22.60730 (16012908)	
3605597.5	16.96868 (15040607)	18.33574 (15040607)	18.93232
(15040607)	19.15991 (15010408)	20.25524 (16020408)	
3605347.5	15.26280 (15011608)	16.71342 (15040607)	18.66391
(15040607)	20.26426 (15040607)	22.47585 (15040607)	
3605097.5	15.41854 (17010407)	17.38566 (17012508)	18.68598
(17012508)	18.90439 (15011608)	20.19667 (15040607)	
3604847.5	21.56279 (15040307)	21.03849 (15040307)	18.89227
(16021108)	19.58382 (16122808)	23.23387 (17012508)	
3604597.5	18.75230 (17092707)	19.00106 (15040307)	22.40535
(15040307)	25.92294 (15040307)	28.79617 (15040307)	
3604347.5	18.50190 (16040507)	18.21256 (16040507)	18.86075
(16011421)	20.93494 (15122708)	23.84905 (17092707)	
3604097.5	16.75181 (17011708)	18.70955 (16040507)	20.32531
(16040507)	22.31982 (16040507)	24.60887 (16040507)	
3603847.5	16.94457 (17021608)	18.17929 (15010808)	20.72513
(15010808)	22.47088 (15010808)	25.65298 (15010808)	
3603597.5	18.38428 (17021608)	18.95217 (17021608)	20.01667
(17021608)	20.70309 (17021608)	21.43247 (15011703)	
3603347.5	14.77484 (15011603)	16.27677 (15011603)	18.30382
(17122908)	20.22808 (17122908)	22.32315 (17122908)	
3603097.5	14.61877 (17021402)	15.82218 (17021402)	17.34327
(17011719)	19.65614 (15012720)	21.11722 (15012720)	
3602847.5	14.48131 (16021602)	15.51839 (16021602)	16.99300
(16012803)	18.52167 (16012803)	20.33685 (16011702)	
3602597.5	14.10604 (16011702)	15.37949 (17120906)	16.93936
(15011506)	20.54744 (15092907)	25.02295 (15092907)	
3602347.5	17.17543 (15092907)	20.52150 (15092907)	22.48256
(15092907)	22.05291 (15092907)	19.21934 (17010704)	
3602097.5	19.56046 (15092907)	17.94283 (15092907)	16.81084
(17092807)	22.40579 (17092807)	25.70440 (17092807)	
3601847.5	16.04875 (17092807)	20.36818 (17092807)	22.38286
(17092807)	24.14287 (15092707)	30.30668 (15092707)	
3601597.5	20.19352 (17092807)	20.80654 (15092707)	25.99969
(15092707)	27.57891 (15092707)	23.66390 (15092707)	
3601347.5	22.97813 (15092707)	25.16937 (15092707)	23.29723
(15092707)	17.57439 (15092707)	11.04974 (17122302)	
3601097.5	22.49775 (15092707)	18.58704 (15092707)	12.66351
(15092707)	9.92502 (17122105)	10.50543 (15012201)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP4
INCLUDING SOURCE(S): TP4

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		
3606097.5	28.44657 (17040507)	24.31830 (17040507)	26.23123
(17020108)	26.16627 (16121408)	42.90066 (16120208)	
3605847.5	23.77389 (17020308)	30.29323 (17040507)	29.95951
(17040507)	30.69059 (17020108)	30.84820 (16121408)	
3605597.5	24.73925 (16012908)	28.77445 (17020308)	30.78617
(17040507)	36.41730 (17040507)	36.39413 (17020108)	
3605347.5	23.89281 (15010408)	25.84187 (15011008)	33.36604
(16012908)	36.88063 (17020308)	41.01055 (17040507)	
3605097.5	23.95757 (15040607)	27.43175 (15040607)	30.93603
(15010408)	34.30129 (15011008)	44.20273 (16012908)	
3604847.5	23.91427 (17012508)	26.07940 (15011608)	29.53886
(17012703)	33.90928 (15121608)	41.29486 (15010408)	
3604597.5	25.69122 (15040307)	28.31340 (16122808)	30.20373
(17012508)	35.28814 (17012508)	40.48206 (15011608)	
3604347.5	27.23559 (17122422)	30.94705 (16020401)	33.42189
(15020702)	35.12611 (16011108)	43.00474 (16122808)	
3604097.5	27.06596 (16040507)	32.00610 (16120722)	35.13790
(16120722)	36.01089 (16011421)	41.10820 (16011421)	
3603847.5	29.47892 (15010808)	32.35257 (15010808)	34.43416
(15010808)	39.43611 (15010808)	44.49979 (15010808)	
3603597.5	24.66156 (15021102)	27.25821 (15021102)	30.38511
(15021102)	35.01540 (15021102)	43.37769 (16012807)	
3603347.5	24.45103 (17122908)	27.19588 (16010308)	30.22849
(17021402)	36.08569 (17011719)	42.45743 (15012720)	
3603097.5	23.20435 (16021602)	25.87896 (16012803)	29.15975
(16012803)	35.28388 (17120906)	41.44636 (15011506)	
3602847.5	22.52733 (17120906)	25.82790 (17122623)	31.70911
(15092907)	34.58749 (15092907)	40.63086 (17010708)	
3602597.5	27.25411 (15092907)	25.88265 (15092907)	28.74291
(17010708)	36.41026 (17092807)	47.16106 (15092707)	
3602347.5	25.53269 (17092807)	30.38190 (17092807)	36.37804
(15092707)	42.48475 (15092707)	32.96323 (15092707)	
3602097.5	29.07625 (15092707)	35.43720 (15092707)	33.20750
(15092707)	20.92368 (15092707)	19.87831 (15012201)	
3601847.5	30.32578 (15092707)	23.39621 (15092707)	15.53315
(17122105)	17.06877 (15121422)	18.39058 (16121224)	
3601597.5	15.77050 (15092707)	13.17717 (15022607)	14.51956
(15121422)	15.80425 (16121224)	16.83463 (17121505)	
3601347.5	11.58561 (15012201)	12.62153 (17012504)	13.56021
(16121224)	14.46989 (17121505)	15.42389 (15120324)	
3601097.5	11.33788 (17012504)	11.94147 (16020405)	12.87575
(17121505)	13.60743 (15120324)	14.17934 (16021923)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP4
INCLUDING SOURCE(S): TP4

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		
3606097.5	43.93250 (16120208)	34.90020 (16010908)	59.57024
(17021308)	64.15500 (15021508)	64.91536 (17021508)	
3605847.5	48.24574 (16120208)	46.73420 (16120208)	43.65294
(15122808)	80.08667 (15021508)	72.95520 (15121303)	
3605597.5	36.99690 (16121408)	54.20078 (16120208)	48.87949
(15121708)	64.41107 (17021308)	86.40995 (15021508)	
3605347.5	44.85251 (17020108)	45.31876 (16121408)	59.73217
(16120208)	59.19916 (15121708)	63.93789 (15021508)	
3605097.5	46.73537 (15021008)	53.36053 (17020108)	62.03294
(16121408)	79.83754 (16120208)	77.59561 (16010908)	
3604847.5	48.68875 (16011506)	64.34473 (17020308)	71.11176
(15120308)	88.14063 (16121408)	119.80308 (16120208)	
3604597.5	47.86966 (15012401)	60.59622 (15010408)	80.71711
(16012908)	100.70947 (15021008)	142.99795 (17020108)	
3604347.5	48.57661 (16122808)	59.28143 (17012508)	70.49111
(17012703)	100.78700 (15010408)	149.67776 (17020308)	
3604097.5	48.74957 (15122708)	60.86087 (16020401)	77.42068
(17013020)	101.11502 (16122808)	136.19400 (17012508)	
3603847.5	50.36127 (15010808)	60.62152 (17011708)	77.51678
(17011708)	104.32266 (17011708)	147.68817 (17011708)	
3603597.5	49.97978 (17122908)	61.22991 (17122908)	77.61132
(17122908)	93.82934 (16010308)	127.32063 (15012720)	
3603347.5	50.14473 (16021602)	56.64890 (16011702)	72.65896
(15011506)	95.11128 (17121720)	119.05638 (17121308)	
3603097.5	48.32825 (16021406)	56.19349 (17122824)	69.33888
(17121308)	78.71980 (16021107)	63.94291 (16011206)	
3602847.5	49.47444 (17121308)	58.17183 (15092707)	51.85037
(15092707)	45.99337 (15121422)	52.08596 (17121505)	
3602597.5	47.40985 (15092707)	31.67080 (17122302)	36.13765
(17012504)	38.55100 (17121505)	42.88856 (17022221)	
3602347.5	24.46880 (15022607)	27.52876 (17021905)	30.44150
(17121505)	33.09510 (17010801)	36.24515 (17011624)	
3602097.5	21.77805 (17021905)	24.20004 (17121505)	25.98533
(17010801)	28.45350 (17012722)	33.40938 (17022103)	
3601847.5	19.83256 (17121505)	21.40470 (16121724)	22.81361
(16122704)	26.62081 (17040807)	28.78796 (15021805)	
3601597.5	17.95008 (15120324)	19.25036 (16122704)	20.44210
(17011624)	23.67601 (17040807)	35.13815 (17020408)	
3601347.5	16.21185 (16022007)	17.43653 (17012722)	24.11690
(17040807)	22.79396 (15041007)	42.12197 (17020408)	
3601097.5	15.04715 (17012722)	18.60314 (17040807)	19.28927
(17040807)	25.05781 (17020408)	42.63816 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP4
 INCLUDING SOURCE(S): TP4
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		
3606097.5	47.79914 (17021508)	44.90368 (16031803)	21.38376
(16112208)	12.18761 (16112208)	38.17966 (17032607)	
3605847.5	85.72966 (16012808)	78.71143 (16120908)	46.06009
(16051624)	41.89560 (15111919)	86.03166 (17032607)	
3605597.5	87.35311 (17021508)	49.84071 (16121101)	52.84124
(16120106)	61.90326 (15010907)	96.92746 (17020819)	
3605347.5	56.46619 (17021508)	57.95801 (16021807)	68.13789
(16051624)	40.07383 (15111919)	128.26818 (17120924)	
3605097.5	89.59249 (15021508)	153.01229 (16012808)	40.14800
(17022408)	26.93582 (17032607)	34.61950 (17032607)	
3604847.5	182.50347 (15120107)	171.60119 (17021320)	89.84973
(17022408)	42.50559 (17032607)	19.24276 (17032607)	
3604597.5	178.55036 (15123008)	166.79557 (15021508)	71.51352
(15092607)	78.60002 (17032607)	30.88742 (16111708)	
3604347.5	204.36466 (17020108)	274.90955 (15121708)	296.86620
(16012808)	213.94633 (17032607)	55.13349 (17022620)	
3604097.5	214.04758 (15121608)	347.35557 (15120308)	530.21094
(15120107)	649.58374 (16122307)	455.43187 (17011520)	
3603847.5	224.10930 (17011708)	378.31379 (16011421)	1118.26260
(15011608)	3055.88245 (16120221)	423.07514 (16082323)	
3603597.5	196.47963 (17120906)	330.41796 (17010708)	479.15630
(17121505)	562.63924 (15012517)	165.12430 (16040807)	
3603347.5	143.09461 (16021107)	147.02931 (17121505)	241.34965
(16012324)	337.14197 (15021622)	115.72501 (17010817)	
3603097.5	80.22464 (17121505)	101.25725 (17022103)	135.26792
(15012823)	193.49298 (15021621)	171.34001 (17010406)	
3602847.5	61.72263 (17012722)	80.08136 (15021805)	87.54392
(16011319)	108.48410 (16022219)	101.48012 (15021419)	
3602597.5	53.71020 (17022103)	81.73286 (17020408)	65.30131
(16010118)	78.47762 (17122205)	75.23561 (15011921)	
3602347.5	43.88518 (15021805)	65.17605 (17020408)	50.35641
(16122020)	60.66852 (17122205)	58.25538 (15020321)	
3602097.5	52.52130 (17020408)	42.73901 (17020408)	40.00321
(16022802)	48.14912 (17122205)	47.28531 (16121418)	
3601847.5	55.31001 (17020408)	32.01936 (17122619)	33.09193
(16012923)	39.61460 (17121519)	38.84975 (15021622)	
3601597.5	47.51605 (17020408)	27.24474 (16011319)	27.88895
(16012923)	33.48646 (17121519)	33.11984 (15021622)	
3601347.5	36.46131 (17020408)	23.59671 (15022601)	24.28442
(17010402)	28.75163 (17121519)	30.44743 (16112308)	
3601097.5	25.55264 (17020408)	21.13156 (16010118)	21.51529
(17010402)	25.19800 (15121123)	28.05621 (16112308)	

*** AERMOD - VERSION 18081 ***
 Hills\Otay Hills.isc
 *** AERMET - VERSION 18081 ***
 *** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP4
 INCLUDING SOURCE(S): TP4
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

Otay Hills Quarry AERMOD Output File (HRA)

(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		
3606097.5	17.57831 (17032607)	13.33076 (15121322)	10.13252
(16111708)	7.62755 (17020109)	5.90273 (17020109)	
3605847.5	12.19110 (15021124)	66.38526 (15033023)	16.27297
(16083007)	7.50245 (17020109)	7.92852 (16092207)	
3605597.5	71.19149 (15021924)	65.59365 (15080402)	42.20039
(15092321)	19.00216 (16100201)	10.21076 (16081907)	
3605347.5	102.21836 (15033023)	93.91485 (16120518)	87.48796
(17022521)	20.01962 (16092207)	10.61609 (17121809)	
3605097.5	24.89511 (16083007)	11.04577 (17020109)	23.86942
(16092207)	50.51587 (17090523)	11.76135 (15110508)	
3604847.5	18.16407 (16111708)	15.10582 (16092207)	14.24845
(17121809)	10.37911 (15082707)	15.04594 (15082707)	
3604597.5	17.76503 (16092207)	17.42174 (17121809)	12.32642
(15082707)	9.94970 (17122309)	17.49264 (17032608)	
3604347.5	39.79433 (17012305)	27.80607 (16042805)	33.20663
(17032608)	40.45379 (16040707)	46.24027 (16040707)	
3604097.5	96.82205 (15121321)	75.75885 (16040707)	46.91169
(16040707)	18.78706 (16040707)	16.38290 (17082707)	
3603847.5	182.01931 (17103122)	65.95506 (17103122)	42.22564
(16090707)	25.21862 (17030408)	20.02562 (17030408)	
3603597.5	62.28058 (16012417)	50.21346 (16121017)	40.60661
(16012017)	28.56865 (16012017)	25.25634 (16052106)	
3603347.5	95.75230 (16013009)	86.50725 (16040807)	159.76730
(17022805)	36.59083 (17020318)	91.79332 (15073006)	
3603097.5	69.17594 (16040518)	164.40655 (15013018)	120.53339
(17121101)	167.70351 (15121020)	140.49654 (15022202)	
3602847.5	165.27795 (15020908)	101.35664 (16010601)	86.01853
(17122124)	92.52693 (17022804)	76.00553 (16121121)	
3602597.5	70.16235 (17010406)	92.25347 (17021408)	74.01541
(16010601)	67.53530 (17122124)	66.86279 (16121203)	
3602347.5	54.75206 (15011507)	67.62424 (17120621)	65.48861
(17021408)	55.77765 (17011224)	49.07932 (17122124)	
3602097.5	44.77408 (15021419)	41.45701 (17010406)	57.25582
(15020908)	48.56856 (16121022)	82.32066 (17011224)	
3601847.5	38.06273 (17011319)	36.58137 (16121220)	42.27049
(17120621)	46.57554 (17021408)	39.38530 (16121022)	
3601597.5	32.62829 (15011921)	37.94956 (15022808)	28.55248
(17122024)	38.17563 (17120621)	38.39542 (17021408)	
3601347.5	28.62663 (17031208)	33.27701 (15022808)	25.35191
(16121220)	28.38391 (17120621)	34.21232 (15020908)	
3601097.5	25.68054 (17031208)	24.34824 (16022321)	27.80424
(15022808)	21.99074 (16092807)	28.80279 (17120621)	

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP4
INCLUDING SOURCE(S): TP4

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD | X-COORD (METERS)

(METERS)	510368.86	510618.86	510868.86
511118.86			
3606097.5	7.76323 (16092207)	8.54682 (17121809)	7.80460
(17121809)	5.68638 (17032908)		
3605847.5	9.22546 (17121809)	8.54687 (17121809)	6.31140
(17032908)	6.35838 (15082707)		
3605597.5	9.45996 (17121809)	7.05103 (17032908)	7.00491
(15082707)	5.59258 (15082707)		
3605347.5	7.92976 (17032908)	7.55573 (15082707)	5.17079
(15082707)	4.91212 (17122309)		
3605097.5	7.83082 (15082707)	4.77355 (17122309)	8.40066
(17122309)	10.88168 (17122309)		
3604847.5	12.25254 (16082307)	12.78452 (17122309)	15.90989
(16040707)	25.23291 (16040707)		
3604597.5	24.43786 (16040707)	34.96004 (16040707)	34.27269
(16040707)	26.24747 (16040707)		
3604347.5	33.44526 (16040707)	18.81043 (16040707)	9.72939
(17082707)	10.38587 (17082707)		
3604097.5	15.11478 (17082707)	14.87759 (16090707)	14.41573
(16090707)	13.55614 (16090707)		
3603847.5	17.10875 (17030408)	15.27855 (17030408)	13.94908
(17030408)	12.87718 (17030408)		
3603597.5	25.59484 (16052106)	14.78346 (15061907)	14.08180
(17042907)	12.58858 (17042907)		
3603347.5	39.51448 (15101507)	14.62644 (15020117)	8.76698
(15061907)	8.94107 (15061907)		
3603097.5	28.30004 (15022408)	13.19664 (15080207)	11.63030
(17122709)	10.17809 (17122709)		
3602847.5	110.90766 (15121020)	37.06585 (15022408)	29.32140
(15022408)	16.62604 (15022408)		
3602597.5	75.76460 (15031607)	38.88850 (16040807)	39.31471
(16040807)	30.86044 (15022408)		
3602347.5	57.04913 (16122817)	77.74891 (15031607)	39.60069
(17082901)	70.15838 (16040807)		
3602097.5	94.70755 (17040307)	39.22817 (15013018)	37.18282
(16121203)	34.29924 (17121101)		
3601847.5	64.13509 (17011224)	32.06280 (16121120)	30.68679
(15013018)	29.64799 (16121203)		
3601597.5	33.92067 (16010421)	30.73818 (17011224)	28.69038
(16121120)	26.80025 (16013009)		
3601347.5	29.99780 (17021408)	26.65002 (16010421)	25.73800
(17011224)	23.87052 (16121120)		
3601097.5	28.87647 (17021408)	25.43862 (16121022)	23.29190
(16010421)	23.13619 (17021621)		

*** AERMOD - VERSION 18081 ***
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*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP4
INCLUDING SOURCE(S): TP4

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

Otay Hills Quarry AERMOD Output File (HRA)

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD
(M)	Y-COORD (M)	CONC	(YYMMDDHH)	
508226.78	3603955.63	547.37408	(16012908)	
507708.67	3603932.32	157.56470	(17020524)	
506203.59	3603369.23	37.99129	(17011719)	
507919.87	3604794.52	184.90714	(15120107)	
507037.89	3604916.08	65.49514	(16011607)	
*** AERMOD - VERSION 18081 ***				
Hills\Otay Hills.isc ***				
*** AERMET - VERSION 18081 ***				
*** 16:35:25				

*** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP5

INCLUDING SOURCE(S): TP5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
504868.86	504118.86
	504368.86
	504618.86

3606097.5	13.25163 (16020408)	14.93136 (16011506)	17.98304
(16012908)	19.62737 (17020308)	21.17461 (17040507)	
3605847.5	15.52316 (15040607)	15.05588 (15010408)	15.78242
(16020408)	18.71654 (16120805)	22.68089 (16012908)	
3605597.5	16.97217 (15040607)	18.38477 (15040607)	19.04179
(15040607)	19.24549 (15010408)	20.38298 (16020408)	
3605347.5	15.28915 (15011608)	16.66989 (15040607)	18.65018
(15040607)	20.30184 (15040607)	22.60941 (15040607)	
3605097.5	15.46035 (15011519)	17.42604 (17012508)	18.78139
(17012508)	18.91184 (15011608)	20.15221 (15040607)	
3604847.5	21.66915 (15040307)	21.21544 (15040307)	19.08687
(16021108)	19.69929 (16122808)	23.28879 (17012508)	
3604597.5	18.83450 (17092707)	18.94115 (17092707)	22.33543
(15040307)	25.94377 (15040307)	28.95857 (15040307)	
3604347.5	18.65450 (16040507)	18.40116 (16040507)	18.93542
(16011421)	20.99342 (15122708)	23.91883 (15122708)	
3604097.5	16.79984 (17011708)	18.70182 (17011708)	20.23781
(16040507)	22.25649 (16040507)	24.58492 (16040507)	
3603847.5	17.16502 (17021608)	18.22640 (15010808)	20.80723
(15010808)	22.56414 (15010808)	25.78873 (15010808)	
3603597.5	18.27234 (17021608)	18.81774 (17021608)	19.85666
(17021608)	20.51028 (17021608)	21.56565 (15021102)	
3603347.5	14.83119 (15011603)	16.33759 (17122908)	18.40434
(17122908)	20.30775 (17122908)	22.37213 (17122908)	
3603097.5	14.66437 (17021402)	15.83895 (17021402)	17.39184
(17011719)	19.76163 (15012720)	21.15234 (15012720)	
3602847.5	14.51739 (16021602)	15.51744 (16021602)	17.08478
(16012803)	18.55321 (16012803)	20.36844 (16011702)	
3602597.5	14.13790 (16011702)	15.42336 (17120906)	16.99941
(15011506)	20.81090 (15092907)	25.19799 (15092907)	
3602347.5	17.36897 (15092907)	20.66151 (15092907)	22.51932
(15092907)	21.95483 (15092907)	19.29233 (17010704)	

3602097.5	19.52234 (15092907)	17.81336 (15092907)	17.07072
(17092807)	22.60390 (17092807)	25.73689 (17092807)	
3601847.5	16.25521 (17092807)	20.51559 (17092807)	22.39955
(17092807)	24.41846 (15092707)	30.44425 (15092707)	
3601597.5	20.20474 (17092807)	21.04376 (15092707)	26.14393
(15092707)	27.54955 (15092707)	23.45960 (15092707)	
3601347.5	23.12580 (15092707)	25.19134 (15092707)	23.17232
(15092707)	17.35742 (15092707)	11.06154 (17122302)	
3601097.5	22.43240 (15092707)	18.42456 (15092707)	12.47219
(15092707)	9.94250 (17122105)	10.52576 (15012201)	

*** AERMOD - VERSION 18081 ***

Hills\Otay Hills.isc ***

*** AERMET - VERSION 18081 ***

*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP5

INCLUDING SOURCE(S): TP5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86
	505618.86
	505868.86

3606097.5	28.53719 (17040507)	24.53093 (17040507)	26.33989
(17020108)	26.24310 (16121408)	42.93815 (16120208)	
3605847.5	23.91278 (17020308)	30.33006 (17040507)	30.18853
(17040507)	30.77016 (17020108)	30.93650 (16121408)	
3605597.5	24.75586 (16012908)	28.88795 (17020308)	30.74885
(17040507)	36.64328 (17040507)	36.45692 (17020108)	
3605347.5	24.01444 (15010408)	25.91141 (15011008)	33.48244
(16012908)	37.17294 (17020308)	41.15466 (17040507)	
3605097.5	23.98759 (15040607)	27.59994 (15040607)	31.11949
(15010408)	34.45048 (15011008)	44.47800 (16012908)	
3604847.5	23.98659 (17012508)	26.11565 (15011608)	29.63660
(17012703)	33.93947 (15121608)	41.55971 (15010408)	
3604597.5	25.93415 (15040307)	28.45482 (16122808)	30.14033
(17012508)	35.43369 (17012508)	40.73797 (15011608)	
3604347.5	27.39389 (17122422)	31.12279 (16020401)	33.60036
(15020702)	35.04463 (16011108)	43.06756 (16122808)	
3604097.5	27.10211 (16040507)	32.21545 (16120722)	35.46280
(16120722)	36.03092 (16011421)	41.21122 (16011421)	
3603847.5	29.66417 (15010808)	32.57570 (15010808)	34.65496
(15010808)	39.73477 (15010808)	44.84609 (15010808)	
3603597.5	24.84399 (15021102)	27.41627 (15021102)	30.49896
(15021102)	35.09500 (15021102)	43.67463 (16012807)	
3603347.5	24.45320 (17122908)	27.24048 (16010308)	30.30549
(17021402)	36.23799 (17011719)	42.63510 (15012720)	
3603097.5	23.24944 (16021602)	26.07355 (16012803)	29.31483
(16011702)	35.49888 (17120906)	41.58093 (15011506)	
3602847.5	22.54544 (17120906)	25.95941 (17122623)	31.92774
(15092907)	34.48319 (15092907)	41.01879 (17010708)	
3602597.5	27.25485 (15092907)	25.67019 (15092907)	28.89260
(17092807)	36.52156 (17092807)	47.70620 (15092707)	
3602347.5	25.82440 (17092807)	30.44532 (17092807)	36.80442
(15092707)	42.49872 (15092707)	32.49749 (15092707)	

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 29.41230 (15092707) 35.53787 (15092707) 32.96328
(15092707) 20.50656 (15092707) 19.95308 (15012201)
3601847.5 | 30.21459 (15092707) 23.09090 (15092707) 15.58152
(17122105) 17.13872 (15121422) 18.45902 (16121224)
3601597.5 | 15.50057 (15092707) 13.21822 (15022607) 14.54321
(15121422) 15.84207 (16121224) 16.86530 (17121505)
3601347.5 | 11.63162 (15012201) 12.65880 (17012504) 13.57770
(16121224) 14.49578 (17121505) 15.44403 (15120324)
3601097.5 | 11.35613 (17012504) 11.98415 (16020405) 12.90053
(17121505) 13.64035 (15120324) 14.20848 (16021923)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP5
*** INCLUDING SOURCE(S): TP5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 506618.86 506868.86 507118.86
507368.86 507618.86
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3606097.5 | 44.18647 (16120208) 35.02066 (16010908) 60.05669
(17021308) 64.90005 (15021508) 65.08980 (17021508)
3605847.5 | 48.30988 (16120208) 47.08092 (16120208) 43.96261
(15122808) 80.51089 (15021508) 73.91716 (15121303)
3605597.5 | 37.09753 (16121408) 54.29785 (16120208) 49.06151
(15121708) 64.15204 (17021308) 86.64905 (15021508)
3605347.5 | 45.01082 (17020108) 45.43025 (16121408) 59.85837
(16120208) 59.45274 (15121708) 64.18929 (15021508)
3605097.5 | 46.96120 (15021008) 53.70046 (15121803) 62.50187
(16121408) 80.26291 (16120208) 78.17989 (16010908)
3604847.5 | 48.84742 (16011506) 64.95893 (17020308) 71.96322
(15120308) 89.38806 (17020108) 121.42252 (16120208)
3604597.5 | 48.18165 (15012401) 61.07135 (15010408) 81.09884
(16012908) 101.80203 (15021008) 145.37187 (17020108)
3604347.5 | 48.97517 (16122808) 59.60207 (17012508) 70.84720
(17121424) 101.81245 (15121608) 151.46858 (16012908)
3604097.5 | 48.95493 (15122708) 61.07352 (16020401) 77.77874
(17013020) 101.59281 (16122808) 137.65310 (17012508)
3603847.5 | 50.69308 (15010808) 61.16360 (15010808) 77.09951
(17011708) 104.20606 (17011708) 148.55790 (17011708)
3603597.5 | 50.63126 (17122908) 61.76632 (17122908) 77.93690
(17122908) 93.71201 (16010308) 127.82196 (16021602)
3603347.5 | 50.27025 (16021602) 57.08028 (16011702) 73.15401
(15011506) 96.33371 (17121720) 120.04977 (17121308)
3603097.5 | 48.46993 (16021406) 56.45326 (17122824) 69.84073
(17121308) 78.92005 (16021107) 64.21378 (15022607)
3602847.5 | 49.79397 (17121308) 58.67069 (15092707) 51.03097
(15092707) 46.26238 (15121422) 52.06251 (17121505)
3602597.5 | 47.15281 (15092707) 31.75638 (17122302) 36.31397
(17012504) 38.59657 (17121505) 43.01972 (16122704)
3602347.5 | 24.57529 (15022607) 27.66053 (17021905) 30.50296
(17121505) 33.06811 (17010801) 36.23035 (17011624)

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3602097.5 | 21.81727 (17021905) 24.24569 (17121505) 26.04993
(17010801) 28.47448 (17012722) 33.37766 (17022103)
3601847.5 | 19.86746 (17121505) 21.48502 (17010801) 22.79451
(16122704) 26.89496 (17040807) 28.83683 (15021805)
3601597.5 | 17.95049 (15120324) 19.31457 (16122704) 20.47379
(17011624) 23.51767 (16011119) 35.63627 (17020408)
3601347.5 | 16.26073 (16022007) 17.44165 (16120304) 24.20477
(17040807) 22.94384 (15041007) 42.40520 (17020408)
3601097.5 | 15.10401 (17012722) 18.85804 (17040807) 19.08135
(17040807) 25.44671 (17020408) 42.69032 (17020408)

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
*** 16:35:25

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP5
*** INCLUDING SOURCE(S): TP5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

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Y-COORD | X-COORD (METERS)
(METERS) | 507868.86 508118.86 508368.86
508618.86 508868.86
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3606097.5 | 41.75352 (17070706) 44.89591 (17022408) 21.59034
(16112208) 12.10344 (16112208) 38.38965 (17032607)
3605847.5 | 83.57774 (16012808) 80.99170 (16120908) 45.62714
(17022408) 40.39316 (15111919) 86.20110 (17032607)
3605597.5 | 87.55315 (17021508) 50.35085 (16121101) 53.15164
(16120106) 62.17181 (15010907) 95.42285 (17020819)
3605347.5 | 56.88812 (17021508) 58.45673 (16021807) 67.37234
(17022408) 37.64707 (15111919) 127.21074 (17120924)
3605097.5 | 90.37103 (15021508) 149.40303 (16012808) 40.21074
(17022408) 27.75114 (17032607) 33.76084 (17032607)
3604847.5 | 182.18438 (15120107) 170.83813 (17021320) 90.42856
(17022408) 43.81314 (17032607) 18.36106 (17032607)
3604597.5 | 180.61430 (15123008) 167.52998 (15021508) 72.05961
(15092607) 80.98154 (17032607) 31.70606 (16111708)
3604347.5 | 207.84868 (17020108) 281.55294 (15121708) 279.61002
(16021206) 217.55132 (17032607) 56.15057 (17022620)
3604097.5 | 217.50426 (15121608) 355.18274 (15021008) 547.83292
(15120107) 681.58123 (16122307) 427.39293 (16021003)
3603847.5 | 228.60562 (17011708) 382.71148 (16011421) 1155.24284
(17012508) 3002.56421 (17120708) 402.16896 (16100207)
3603597.5 | 199.32255 (17120906) 332.00454 (17010708) 477.27316
(15120324) 525.87913 (15012517) 160.59697 (16040807)
3603347.5 | 140.25091 (16021107) 146.12242 (17121505) 240.73934
(15022505) 337.83327 (17121306) 112.10645 (16021820)
3603097.5 | 80.13676 (17121505) 102.39322 (17022103) 135.19897
(15012823) 194.26221 (15021621) 171.87295 (17010406)
3602847.5 | 61.95805 (17012722) 79.93201 (16021904) 87.14351
(16011319) 107.76159 (16022219) 100.99329 (15021419)
3602597.5 | 53.83680 (17022103) 82.06721 (17020408) 65.19795
(17122005) 78.05528 (16022219) 74.90428 (15011921)
3602347.5 | 43.87882 (15021805) 64.64424 (17020408) 50.27038
(16122020) 60.49438 (17122205) 58.00871 (17123106)

```

Otay Hills Quarry AERMOD Output File (HRA)

3602097.5	53.12084 (17020408)	42.09293 (17020408)	39.92764
(16022802)	48.06297 (17122205)	47.16202 (16121418)	
3601847.5	55.41468 (17020408)	32.01612 (17122619)	33.06509
(16012923)	39.49970 (17121519)	38.72278 (15021622)	
3601597.5	47.29575 (17020408)	27.23338 (16011319)	27.83313
(16012923)	33.42319 (17121519)	33.10693 (15021622)	
3601347.5	36.13107 (17020408)	23.58549 (15022601)	24.28041
(17010402)	28.71874 (17121519)	30.44828 (16112308)	
3601097.5	25.23772 (17020408)	21.13727 (16010118)	21.51052
(17010402)	25.14109 (15121123)	28.08537 (16112308)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc ***
 *** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP5
 INCLUDING SOURCE(S): TP5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	17.21466 (17032607)	13.15182 (15121322)	10.14538
(16111708)	7.63627 (17020109)	5.85764 (17020109)	
3605847.5	12.06707 (15021124)	64.90166 (15033023)	16.17833
(16083007)	7.46676 (17020109)	8.00762 (16092207)	
3605597.5	70.58197 (15021924)	64.94113 (15080402)	40.29542
(15092321)	18.31888 (15022123)	10.21817 (16081907)	
3605347.5	100.42393 (15033023)	91.30754 (16120518)	86.76689
(17022521)	19.87975 (16092207)	10.55661 (17121809)	
3605097.5	25.04539 (16083007)	11.00200 (17020109)	23.84751
(16092207)	50.10903 (17090523)	11.89863 (15110508)	
3604847.5	17.87682 (16111708)	15.27435 (16092207)	14.15341
(17121809)	10.42013 (15082707)	14.79119 (15082707)	
3604597.5	18.38290 (16092207)	17.28958 (17121809)	12.27910
(15082707)	10.26133 (17122309)	17.80922 (17032608)	
3604347.5	39.89367 (17012305)	27.81055 (16042805)	34.02086
(17032608)	41.53759 (16040707)	46.11125 (16040707)	
3604097.5	93.76256 (15121321)	76.37219 (16040707)	45.23439
(16040707)	17.70828 (16040707)	16.46482 (17082707)	
3603847.5	173.94117 (17103122)	62.82198 (16051406)	36.90850
(17091507)	25.26643 (17030408)	20.02668 (17030408)	
3603597.5	61.46058 (16012417)	48.73923 (16121017)	39.03143
(16012017)	28.72388 (16012017)	24.58609 (16052106)	
3603347.5	96.67863 (16111408)	86.27197 (16040807)	151.73477
(15042106)	36.05398 (17010617)	89.58289 (15070306)	
3603097.5	67.56191 (16040518)	162.83134 (15013018)	120.77307
(17121101)	166.62846 (15121020)	141.05042 (15022202)	
3602847.5	164.04164 (15020908)	100.92482 (16010601)	86.01302
(17122124)	92.33293 (17022804)	76.36006 (16121121)	
3602597.5	70.19414 (17010406)	91.86391 (17021408)	74.02657
(16010601)	67.67142 (17122124)	67.15147 (16121203)	
3602347.5	54.60010 (15011507)	67.40569 (17120621)	65.55561
(17021408)	55.67310 (17011224)	49.06180 (17122124)	

3602097.5	44.62665 (15021419)	41.43952 (17122024)	57.18959
(15020908)	48.57529 (16121022)	82.95967 (17011224)	
3601847.5	37.99404 (17011319)	36.56252 (16121220)	42.19235
(17120621)	46.46123 (17021408)	39.52930 (16121022)	
3601597.5	32.60494 (15011921)	37.96791 (15022808)	28.53854
(17122024)	38.12429 (17120621)	38.37440 (17021408)	
3601347.5	28.64047 (17031208)	33.35360 (15022808)	25.30931
(16121220)	28.33382 (17120621)	34.19777 (15020908)	
3601097.5	25.74243 (17031208)	24.34470 (16022321)	27.79368
(15022808)	22.01115 (16092807)	28.78344 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP5
 INCLUDING SOURCE(S): TP5 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			

3606097.5	7.79833 (16092207)	8.57350 (17121809)	7.76765
(17121809)	5.71354 (17032908)		
3605847.5	9.26533 (17121809)	8.50439 (17121809)	6.33767
(17032908)	6.37567 (15082707)		
3605597.5	9.41026 (17121809)	7.07412 (17032908)	7.00565
(15082707)	5.53713 (15082707)		
3605347.5	7.94532 (17032908)	7.52883 (15082707)	5.09315
(15082707)	5.02361 (17122309)		
3605097.5	7.76119 (15082707)	4.91105 (17122309)	8.54403
(17122309)	10.96304 (17122309)		
3604847.5	12.37734 (16082307)	12.89455 (17122309)	16.42162
(16040707)	25.64606 (16040707)		
3604597.5	25.20090 (16040707)	35.31711 (16040707)	34.09588
(16040707)	25.81072 (16040707)		
3604347.5	32.70993 (16040707)	18.15425 (16040707)	9.86106
(17082707)	10.47136 (17082707)		
3604097.5	15.09041 (17082707)	14.99953 (16090707)	14.45942
(16090707)	13.54567 (16090707)		
3603847.5	17.08990 (17030408)	15.24880 (17030408)	13.91294
(17030408)	12.83758 (17030408)		
3603597.5	25.27113 (16052106)	14.91795 (15061907)	14.31017
(17042907)	12.55846 (17042907)		
3603347.5	37.71533 (15101507)	14.31833 (15020117)	8.57880
(15061907)	8.80353 (15061907)		
3603097.5	28.82193 (15022408)	13.21336 (15080207)	11.63278
(17122709)	10.21478 (17122709)		
3602847.5	110.59377 (15121020)	36.96088 (15022408)	29.60136
(15022408)	16.95412 (15022408)		
3602597.5	73.58507 (15031607)	38.55441 (16040807)	39.42777
(16040807)	30.72011 (15022408)		
3602347.5	57.06725 (16122817)	77.15639 (15031607)	38.86961
(17082901)	69.79217 (16040807)		

Otay Hills Quarry AERMOD Output File (HRA)

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3602097.5 | 95.66869 (17040307) 39.34983 (15013018) 37.42898
(16121203) 34.26083 (17121101)
3601847.5 | 65.29934 (17011224) 32.20692 (16121120) 30.68096
(15013018) 29.72513 (16121203)
3601597.5 | 33.97789 (16010421) 30.77170 (17011224) 28.82778
(16121120) 26.81024 (16013009)
3601347.5 | 30.02449 (17021408) 26.58245 (16010421) 25.75111
(17011224) 23.94728 (16121120)
3601097.5 | 28.80576 (17021408) 25.43656 (16121022) 23.25209
(16010421) 23.16037 (17021621)
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Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP5 ***
INCLUDING SOURCE(S): TP5 ,
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*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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** CONC OF TAC IN MICROGRAMS/M**3
**
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD
(M)	Y-COORD (M)	CONC	(YYMMDDHH)	
508226.78	3603955.63	544.92810	(16012908)	
507708.67	3603932.32	158.98404	(17020524)	
506203.59	3603369.23	38.18475	(17011719)	
507919.87	3604794.52	181.21788	(15120107)	
507037.89	3604916.08	66.11293	(16011607)	

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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

```
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP6 ***
INCLUDING SOURCE(S): TP6 ,
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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

```
** CONC OF TAC IN MICROGRAMS/M**3
**
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Y-COORD	X-COORD (METERS)
(METERS)	
504868.86	504618.86

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3606097.5 | 13.29391 (16020408) 14.40949 (16011506) 17.55038
(16012908) 19.49853 (17020308) 19.61282 (17040507)
3605847.5 | 15.85926 (15040607) 14.99600 (15010408) 15.85600
(16020408) 18.10020 (16011506) 22.32911 (16012908)
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3605597.5 | 16.64135 (15040607) 18.33749 (15040607) 19.36108
(15040607) 19.00604 (15010408) 20.38892 (16020408)
3605347.5 | 14.88525 (15012821) 15.88044 (15040607) 18.09131
(15040607) 20.10004 (15040607) 22.87015 (15040607)
3605097.5 | 15.35438 (15011519) 16.93291 (17012508) 18.61900
(17012508) 18.50402 (15011608) 20.26741 (15011608)
3604847.5 | 21.63282 (15040307) 21.61399 (15040307) 19.77525
(15040307) 19.81439 (16122808) 22.41634 (17012508)
3604597.5 | 18.75025 (17092707) 19.12673 (17092707) 21.24870
(15040307) 25.12451 (15040307) 28.65397 (15040307)
3604347.5 | 18.89924 (16040507) 18.82683 (16040507) 18.67181
(16040507) 20.62236 (16011421) 23.50602 (15122708)
3604097.5 | 16.54825 (17011708) 18.43241 (17011708) 19.79448
(17011708) 21.57745 (17011708) 23.74405 (16040507)
3603847.5 | 17.60298 (17021608) 18.70107 (17021608) 20.39799
(17122608) 22.10496 (17122608) 25.17093 (15010808)
3603597.5 | 17.54791 (17021608) 17.99906 (17021608) 18.89028
(17021608) 19.44227 (15021102) 21.35400 (15021102)
3603347.5 | 14.65801 (15011603) 16.22244 (17122908) 18.18074
(17122908) 19.97041 (17122908) 21.87663 (17122908)
3603097.5 | 14.46659 (17021402) 15.61385 (17011719) 17.11690
(17011719) 19.42987 (15012720) 20.69858 (16021602)
3602847.5 | 14.30608 (16021602) 15.20404 (16021602) 16.84018
(16012803) 18.22296 (16011702) 20.05999 (17120906)
3602597.5 | 13.92672 (16011702) 15.19634 (17120906) 16.72096
(15011506) 20.76596 (15092907) 24.96494 (15092907)
3602347.5 | 17.34447 (15092907) 20.52065 (15092907) 22.24783
(15092907) 21.58502 (15092907) 18.94996 (17010704)
3602097.5 | 19.25566 (15092907) 17.50580 (15092907) 16.95359
(17092807) 22.36907 (17092807) 25.40443 (17092807)
3601847.5 | 16.14137 (17092807) 20.31636 (17092807) 22.14875
(17092807) 24.09040 (15092707) 30.03433 (15092707)
3601597.5 | 19.99474 (17092807) 20.78367 (15092707) 25.82723
(15092707) 27.26853 (15092707) 23.32801 (15092707)
3601347.5 | 22.85791 (15092707) 24.93384 (15092707) 23.00840
(15092707) 17.33155 (15092707) 10.89061 (17122302)
3601097.5 | 22.25213 (15092707) 18.34998 (15092707) 12.49734
(15092707) 9.79024 (17122105) 10.35855 (15012201)
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*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay
Hills\Otay Hills.isc *** 05/16/19
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

```
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP6 ***
INCLUDING SOURCE(S): TP6 ,
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*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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** CONC OF TAC IN MICROGRAMS/M**3
**
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Y-COORD	X-COORD (METERS)
(METERS)	
506118.86	505618.86

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3606097.5 | 28.11709 (17040507) 26.07833 (17040507) 26.61581
(17020108) 26.47321 (16121408) 40.75078 (16120208)
3605847.5 | 24.17331 (17020308) 28.94899 (17040507) 31.33254
(17040507) 30.68097 (17020108) 30.97345 (16121408)
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Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	23.56720 (16011506)	28.27590 (16012908)	29.04712
(17020308)	36.81366 (17040507)	35.57567 (17020108)	
3605347.5	23.61087 (15010408)	25.57194 (16020408)	31.83606
(16012908)	37.06058 (17020308)	39.60027 (17040507)	
3605097.5	23.45204 (15040607)	27.69313 (15040607)	30.39916
(15010408)	33.22887 (16020408)	43.25210 (16012908)	
3604847.5	23.89384 (17012508)	25.66494 (15011608)	29.19414
(16010821)	33.05892 (15012401)	40.38197 (15121608)	
3604597.5	26.50855 (15040307)	28.18316 (16122808)	29.34306
(16122808)	35.14219 (17012508)	40.14356 (15011608)	
3604347.5	26.68580 (17122422)	30.15473 (17020524)	32.70057
(16020401)	34.20263 (17013020)	41.66144 (16011108)	
3604097.5	26.36966 (16040507)	31.32783 (16120722)	34.80067
(16120722)	35.05970 (16120722)	40.44333 (16011421)	
3603847.5	28.91368 (15010808)	31.76549 (15010808)	33.93262
(15010808)	38.91503 (15010808)	44.09205 (15010808)	
3603597.5	24.45391 (15021102)	26.88254 (15021102)	29.76248
(15021102)	34.39843 (16012807)	42.22281 (16012807)	
3603347.5	23.95100 (16010308)	26.50610 (16010308)	29.71357
(17011719)	35.10022 (17011719)	41.31695 (16021602)	
3603097.5	22.75916 (16021602)	25.61066 (16012803)	28.73649
(16011702)	34.51163 (17120906)	40.17369 (17122623)	
3602847.5	22.15232 (15011506)	25.76628 (15092907)	31.51673
(15092907)	33.68113 (15092907)	39.76799 (17010708)	
3602597.5	26.81384 (15092907)	25.08301 (15092907)	28.52218
(17092807)	35.85469 (17092807)	46.59347 (15092707)	
3602347.5	25.51280 (17092807)	29.97496 (17092807)	36.11158
(15092707)	41.78533 (15092707)	32.29555 (15092707)	
3602097.5	28.95544 (15092707)	35.01423 (15092707)	32.62564
(15092707)	20.54977 (15092707)	19.46477 (15012201)	
3601847.5	29.90452 (15092707)	23.01106 (15092707)	15.25754
(17122105)	16.73899 (15121422)	18.01527 (16121224)	
3601597.5	15.53695 (15092707)	12.96233 (15022607)	14.28089
(15121422)	15.52400 (16121224)	16.53530 (17121505)	
3601347.5	11.40655 (15012201)	12.42028 (17012504)	13.35224
(16121224)	14.23388 (17121505)	15.17479 (15120324)	
3601097.5	11.17578 (17012504)	11.75945 (16121224)	12.67666
(17121505)	13.37875 (15120324)	13.93964 (16021923)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP6
 INCLUDING SOURCE(S): TP6
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		

3606097.5	46.43807 (16120208)	34.44037 (16010908)	54.95133
(17021308)	66.49627 (15021508)	59.10346 (17021508)	
3605847.5	45.97837 (16120208)	50.57229 (16120208)	44.48513
(16010908)	76.40295 (15021508)	68.98830 (15121303)	

3605597.5	36.75481 (16121408)	51.93732 (16120208)	51.61330
(16120208)	65.41284 (15122808)	91.60571 (15021508)	
3605347.5	42.25732 (17020108)	44.33640 (16121408)	57.77949
(16120208)	60.66902 (15121708)	62.39710 (17021308)	
3605097.5	46.60970 (17020308)	52.36839 (16011607)	61.15868
(17020108)	78.05847 (16120208)	78.01677 (16010908)	
3604847.5	46.03836 (15011008)	63.10107 (17020308)	70.68699
(15021008)	92.13663 (17020108)	118.89431 (16120208)	
3604597.5	47.04354 (17012703)	59.25189 (15121608)	73.00571
(16011506)	99.85356 (17020308)	143.31853 (17020108)	
3604347.5	49.19113 (16122808)	58.69472 (17012508)	70.87166
(15011608)	97.52985 (15121608)	141.14065 (16012908)	
3604097.5	47.83687 (16011421)	59.58731 (17020524)	74.92760
(16020401)	96.52417 (16122808)	132.08924 (17012508)	
3603847.5	50.27140 (15010808)	60.78182 (15010808)	74.84796
(15010808)	97.47232 (17011708)	139.24601 (17011708)	
3603597.5	49.74865 (17122908)	59.98465 (17122908)	74.07787
(17122908)	89.31618 (17011719)	121.80035 (16021602)	
3603347.5	48.05470 (16021602)	55.20223 (16011702)	69.94713
(15011506)	91.51003 (17121720)	114.60715 (17121308)	
3603097.5	46.62096 (16121801)	54.27425 (17122824)	67.12617
(17121308)	75.80693 (16021107)	61.34992 (16011206)	
3602847.5	48.03869 (17121308)	57.23353 (15092707)	50.45469
(15092707)	44.39650 (15121422)	50.35094 (17121505)	
3602597.5	46.43463 (15092707)	30.81196 (17122302)	35.04618
(17012504)	37.45297 (17121505)	41.53360 (17022221)	
3602347.5	23.88876 (15022607)	26.86336 (17012504)	29.66997
(17121505)	32.36477 (17010801)	35.28944 (17011624)	
3602097.5	21.32813 (17021905)	23.66786 (17121505)	25.33861
(17010801)	27.78188 (17012722)	32.65737 (17022103)	
3601847.5	19.44675 (17121505)	20.96352 (16121724)	22.44389
(16122704)	25.34802 (17040807)	28.11635 (15121007)	
3601597.5	17.67215 (15120324)	18.79971 (16122704)	20.00832
(17011624)	24.29911 (17040807)	32.29905 (17020408)	
3601347.5	15.89480 (16021923)	17.18232 (17012722)	23.56674
(17040807)	21.94887 (15041007)	40.20172 (17020408)	
3601097.5	14.71010 (17012722)	17.61897 (17040807)	19.93272
(17040807)	22.99459 (17020408)	42.00624 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP6
 INCLUDING SOURCE(S): TP6
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	507868.86	508118.86	508368.86
508618.86	508868.86		

3606097.5	56.22247 (17021508)	46.88561 (17020823)	21.30824
(17022408)	13.47558 (16112208)	36.50462 (17032607)	
3605847.5	92.54473 (16012808)	79.38558 (16120908)	51.03425
(17022408)	44.89577 (15100707)	85.16544 (17032607)	

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	83.41330 (17021508)	51.85201 (16021807)	54.43557
(16120106)	62.30263 (15010907)	103.13844 (17020819)	
3605347.5	53.62067 (17010208)	58.76644 (17021508)	71.62850
(15121906)	44.91655 (15111919)	127.25889 (17120924)	
3605097.5	92.70143 (15021508)	163.91116 (16012808)	39.83867
(17022408)	27.19812 (16112208)	42.39502 (17032607)	
3604847.5	186.20990 (16010223)	174.47633 (17010724)	80.72010
(17022408)	37.40765 (16112208)	27.41124 (17032607)	
3604597.5	169.00226 (15123008)	169.89576 (15021508)	63.66032
(15013009)	61.15530 (17032607)	28.57139 (16111708)	
3604347.5	184.59521 (17020108)	259.24914 (16120708)	341.50867
(16012808)	180.14878 (17032607)	56.72539 (15122317)	
3604097.5	193.77087 (15121608)	352.18597 (17020308)	576.71620
(16010908)	733.06823 (16010501)	545.99035 (17011520)	
3603847.5	216.90531 (17011708)	365.99196 (17011708)	988.48452
(16122808)	3467.68867 (17040622)	505.06258 (15090204)	
3603597.5	185.08374 (17120906)	305.13359 (17121308)	413.11094
(17121505)	632.28767 (17062006)	154.56684 (17013017)	
3603347.5	134.39674 (16021107)	137.50040 (17121505)	223.35651
(16021904)	316.51526 (15021621)	129.03093 (15121924)	
3603097.5	76.69851 (17121505)	95.71028 (17011624)	128.30657
(17122823)	185.18328 (16022219)	169.40185 (16121220)	
3602847.5	59.87080 (16122704)	77.08530 (15021805)	85.85497
(17122619)	106.12241 (17122205)	100.52637 (16022321)	
3602597.5	51.30407 (17022103)	77.79179 (17020408)	63.37546
(16010118)	76.45593 (17122205)	73.62241 (16122021)	
3602347.5	42.38242 (15021805)	67.14006 (17020408)	49.07948
(17122005)	59.16336 (17121519)	57.69387 (15020321)	
3602097.5	48.63356 (17020408)	46.49624 (17020408)	39.40423
(16122020)	47.42346 (15121123)	46.52121 (17121306)	
3601847.5	53.97798 (17020408)	31.23934 (17020905)	32.62105
(16022802)	39.27004 (15121123)	38.48614 (15021622)	
3601597.5	48.34162 (17020408)	27.06479 (17122619)	27.50646
(16012923)	33.27195 (15121123)	32.74113 (17122218)	
3601347.5	38.32153 (17020408)	23.13610 (15022601)	23.92653
(16012923)	28.65974 (15121123)	30.37015 (16112308)	
3601097.5	27.55899 (17020408)	20.71380 (16010118)	21.20386
(17010402)	25.10492 (15121123)	27.48048 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP6 ***
 INCLUDING SOURCE(S): TP6 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	509118.86	509368.86	509618.86
509868.86	510118.86		

3606097.5	20.78577 (17032607)	14.02519 (15121322)	10.14778
(16111708)	7.66678 (17020109)	6.10088 (17020109)	
3605847.5	14.16106 (17032607)	72.39891 (15033023)	16.85064
(16083007)	7.69945 (17020109)	7.80556 (16092207)	

3605597.5	77.64649 (16121520)	67.16671 (17101124)	46.95229
(15092321)	21.07020 (16100201)	10.29278 (16081907)	
3605347.5	105.66848 (15033023)	98.31406 (16120518)	90.69762
(17021903)	20.51726 (16092207)	10.81453 (17121809)	
3605097.5	24.54652 (16083007)	11.36816 (17020109)	24.20568
(16092207)	54.44940 (15101307)	17.27976 (15082707)	
3604847.5	20.18855 (16111708)	15.13351 (16092207)	14.60517
(17121809)	10.50167 (15082707)	15.24223 (15082707)	
3604597.5	16.96725 (16092207)	17.96192 (17121809)	12.55488
(15082707)	10.31139 (17122309)	18.37217 (17032608)	
3604347.5	42.06473 (17011903)	29.26011 (16042805)	35.61153
(17032608)	42.86815 (16040707)	46.58710 (16040707)	
3604097.5	105.72200 (15022121)	79.73254 (16040707)	44.10758
(16040707)	17.28594 (17082707)	16.85173 (17082707)	
3603847.5	200.16725 (17103122)	75.94512 (15061006)	38.45846
(16090707)	26.27930 (17030408)	20.46944 (17030408)	
3603597.5	80.89798 (15022408)	51.35140 (16011417)	41.36142
(15020117)	32.35129 (16012017)	24.06700 (15061907)	
3603347.5	115.89204 (16013009)	82.79650 (16040807)	172.32589
(15022202)	39.47348 (17010617)	98.79129 (17040401)	
3603097.5	67.79907 (16022518)	164.76446 (17122124)	118.11541
(17022804)	171.65833 (15121020)	140.05151 (15022202)	
3602847.5	157.98905 (17120621)	97.97231 (16010421)	82.56089
(17122124)	94.29049 (16121203)	74.99288 (16121121)	
3602597.5	69.42068 (17010406)	88.53760 (17021408)	72.68164
(16010421)	63.98172 (16012022)	66.59497 (16122817)	
3602347.5	54.58971 (15011507)	62.07309 (17120621)	68.71467
(17021408)	55.22943 (16010601)	48.83690 (16121120)	
3602097.5	44.82725 (15021419)	41.82278 (17010406)	54.46175
(15020908)	48.10992 (17021408)	81.33307 (16010601)	
3601847.5	37.75663 (17011319)	35.87690 (15022808)	38.04272
(17120621)	45.11003 (15020908)	40.43481 (16121022)	
3601597.5	32.22359 (16122021)	38.14856 (15022808)	28.71461
(17010406)	37.79360 (17120621)	38.86051 (17021408)	
3601347.5	28.26238 (17031208)	30.39593 (15022808)	25.56758
(16121220)	25.71381 (16121008)	33.46394 (15020908)	
3601097.5	24.64404 (16121418)	24.07873 (17011319)	29.64238
(15022808)	21.79511 (16092807)	27.72544 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP6 ***
 INCLUDING SOURCE(S): TP6 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD			X-COORD (METERS)
(METERS)	510368.86	510618.86	510868.86
511118.86			

3606097.5	7.73935 (16092207)	8.56775 (17121809)	7.91497
(17121809)	5.70341 (17032908)		
3605847.5	9.23587 (17121809)	8.67775 (17121809)	6.33904
(17032908)	6.39594 (15082707)		

Otay Hills Quarry AERMOD Output File (HRA)

3605597.5	9.61872 (17121809)	7.09443 (17032908)	7.06048
(15082707)	5.64196 (15082707)		
3605347.5	7.99696 (17032908)	7.63208 (15082707)	5.21594
(15082707)	5.02913 (17122309)		
3605097.5	8.05846 (15022724)	5.21603 (15051907)	8.59862
(17122309)	11.05801 (17122309)		
3604847.5	12.47526 (16082307)	13.03050 (17122309)	16.81845
(16040707)	26.13421 (16040707)		
3604597.5	25.89900 (16040707)	35.94432 (16040707)	34.23381
(16040707)	25.54540 (16040707)		
3604347.5	32.24805 (16040707)	17.49740 (16040707)	10.20052
(17082707)	10.72944 (17082707)		
3604097.5	15.53345 (16090707)	15.44021 (16090707)	14.68933
(16090707)	13.61904 (16090707)		
3603847.5	17.26453 (17030408)	15.51145 (15062407)	14.35546
(15062407)	13.37499 (15062407)		
3603597.5	23.77136 (16052106)	15.90194 (15061907)	13.45989
(17042907)	12.68161 (17042907)		
3603347.5	41.92159 (15091922)	13.97800 (16121017)	7.80572
(15061907)	8.27650 (15061907)		
3603097.5	33.36248 (15022408)	15.53090 (15022408)	11.75347
(17122709)	10.54284 (17122709)		
3602847.5	116.67856 (15121020)	36.06434 (15022408)	32.05972
(15022408)	19.81389 (15022408)		
3602597.5	83.80849 (15031607)	35.28740 (16040807)	40.65686
(16040807)	29.54718 (15022408)		
3602347.5	56.43815 (15013018)	73.51406 (15031607)	40.97554
(17082901)	66.18962 (16040807)		
3602097.5	91.67405 (17040307)	38.29952 (15013018)	38.00302
(16121203)	34.34124 (17022804)		
3601847.5	61.44732 (16010601)	32.84529 (16121120)	30.39035
(17122124)	29.35842 (16122817)		
3601597.5	33.63461 (16121022)	30.89564 (17011224)	29.07047
(16121120)	25.90061 (16013009)		
3601347.5	31.49122 (17021408)	25.70573 (16010421)	26.09200
(17011224)	24.07660 (16121120)		
3601097.5	28.23165 (15020908)	25.01639 (17021822)	22.93998
(16010421)	23.31228 (17011224)		

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP6 ***
 INCLUDING SOURCE(S): TP6 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

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

	508226.78	3603955.63	482.58442 (15121608)	
507708.67	3603932.32	150.31346 (16011421)		
	506203.59	3603369.23	37.00750 (17011719)	
507919.87	3604794.52	191.64446 (17013021)		
	507037.89	3604916.08	64.99350 (15120308)	

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP7 ***
 INCLUDING SOURCE(S): TP7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

	Y-COORD		X-COORD (METERS)
	(METERS)		
504868.86	504118.86	504368.86	504618.86
	505118.86		

3606097.5	12.99232 (16020408)	14.71845 (16120805)	17.66779
(16012908)	19.20886 (17020308)	20.45074 (17040507)	
3605847.5	14.98220 (15040607)	14.72313 (15010408)	15.39548
(16020408)	18.16189 (16120805)	21.78330 (16012908)	
3605597.5	16.65007 (15040607)	17.83624 (15040607)	18.18248
(15040607)	18.25328 (15010408)	19.18915 (16020408)	
3605347.5	14.67904 (15011608)	16.42908 (15040607)	18.31011
(15040607)	19.74542 (15040607)	21.46297 (15040607)	
3605097.5	14.75103 (17010407)	16.62650 (17012508)	17.71664
(17012508)	18.52383 (15011608)	19.84348 (15040607)	
3604847.5	20.50435 (15040307)	19.68986 (15040307)	18.07939
(16122808)	18.64781 (16122808)	22.05596 (17012508)	
3604597.5	17.85793 (17092707)	19.07067 (15040307)	22.10129
(15040307)	24.99436 (15040307)	26.99912 (15040307)	
3604347.5	17.19358 (16040507)	16.72011 (16040507)	18.10841
(17092707)	20.60530 (17092707)	23.06881 (17092707)	
3604097.5	16.88948 (16040507)	18.82676 (16040507)	20.30313
(16040507)	22.05964 (16040507)	23.99199 (16040507)	
3603847.5	15.90852 (15010808)	17.38643 (15010808)	19.47417
(15010808)	21.09759 (15010808)	23.72352 (15010808)	
3603597.5	18.72157 (17021608)	19.41536 (17021608)	20.58197
(17021608)	21.45061 (17021608)	21.98861 (17021608)	
3603347.5	14.25168 (16012807)	15.51169 (15011603)	17.15643
(15011603)	19.07874 (17122908)	21.31458 (17122908)	
3603097.5	14.28438 (16010308)	15.30352 (17021402)	16.55545
(17021402)	18.77601 (17011719)	20.21220 (15012720)	
3602847.5	13.89355 (15012720)	15.15899 (16021602)	16.30528
(16021602)	17.74121 (16012803)	19.47968 (16011702)	
3602597.5	13.51266 (16011702)	14.66850 (16011702)	16.24895
(17120906)	17.70590 (15092907)	22.69940 (15092907)	
3602347.5	15.09487 (15092907)	18.76310 (15092907)	21.55388
(15092907)	22.38629 (15092907)	20.80269 (15092907)	
3602097.5	19.47489 (15092907)	18.78969 (15092907)	16.20150
(15092907)	19.90362 (17092807)	24.59799 (17092807)	
3601847.5	13.77477 (17092807)	18.45735 (17092807)	21.63711
(17092807)	21.70223 (17092807)	28.08265 (15092707)	
3601597.5	19.62215 (17092807)	19.54996 (17092807)	23.93374
(15092707)	27.21551 (15092707)	25.36086 (15092707)	
3601347.5	21.01580 (15092707)	24.39863 (15092707)	24.15639
(15092707)	19.70083 (15092707)	12.80885 (15092707)	
3601097.5	22.76135 (15092707)	20.05584 (15092707)	14.69288
(15092707)	9.60362 (17122302)	10.00275 (15012201)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP7 ***
 INCLUDING SOURCE(S): TP7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	505368.86	505618.86	X-COORD (METERS)	505868.86
506118.86	506368.86			

3606097.5	27.34941 (17040507)	23.77575 (17040507)	25.66078
(17020108)	25.80068 (16121408)	40.69313 (16120208)	
3605847.5	22.90432 (17020308)	28.86018 (17040507)	28.98672
(17040507)	30.03875 (17020108)	30.26193 (16121408)	
3605597.5	23.52626 (16012908)	27.29185 (17020308)	28.94139
(17040507)	34.72445 (17040507)	35.27193 (17020108)	
3605347.5	22.57154 (15010408)	24.32736 (15011008)	31.23479
(16012908)	34.59232 (17020308)	38.64270 (17040507)	
3605097.5	23.22743 (15040607)	25.97914 (15040607)	28.88478
(15010408)	31.92936 (15011008)	41.34491 (16012908)	
3604847.5	23.18397 (17012508)	25.41022 (15011608)	28.16190
(15040607)	32.21674 (15121608)	38.27175 (15010408)	
3604597.5	24.42000 (16122808)	26.88425 (16122808)	29.74234
(17012508)	33.81305 (17012508)	38.03294 (15011608)	
3604347.5	25.12612 (17122422)	28.42379 (16020401)	32.00112
(15040307)	34.56922 (16011108)	41.28499 (16122808)	
3604097.5	25.95101 (16040507)	29.10402 (16120722)	31.97465
(16011421)	34.69713 (16011421)	39.49361 (15122708)	
3603847.5	26.87480 (15010808)	29.38828 (15010808)	31.67119
(15010808)	35.86989 (15010808)	41.12798 (17011708)	
3603597.5	23.20313 (17121523)	25.27940 (17121523)	28.46621
(15021102)	33.00061 (15021102)	39.69616 (15021102)	
3603347.5	23.69674 (17122908)	26.12762 (17122908)	29.18087
(16010308)	33.23649 (17011719)	39.00835 (17011719)	
3603097.5	22.13521 (16021602)	25.15698 (16021602)	27.58772
(16012803)	32.52250 (16011702)	38.05409 (17120906)	
3602847.5	21.68886 (17120906)	24.64106 (15011506)	28.50671
(15092907)	33.98605 (15092907)	36.91371 (17122824)	
3602597.5	26.34042 (15092907)	27.01867 (15092907)	26.39132
(17010708)	33.65817 (17092807)	39.76616 (15092707)	
3602347.5	21.97660 (17092807)	28.63531 (17092807)	30.95368
(15092707)	40.62508 (15092707)	36.89048 (15092707)	
3602097.5	24.96359 (15092707)	33.25411 (15092707)	34.74201
(15092707)	25.23032 (15092707)	18.86720 (15022607)	
3601847.5	30.65338 (15092707)	26.23032 (15092707)	16.21600
(15092707)	16.04226 (15012201)	17.56642 (17021905)	
3601597.5	18.60920 (15092707)	12.70918 (17122105)	13.80270
(15121422)	15.12783 (17021905)	15.93322 (17011920)	
3601347.5	11.13634 (15022607)	12.14889 (15121422)	12.98888
(17021905)	13.72140 (17011920)	14.71574 (15013101)	
3601097.5	10.84094 (15121422)	11.52668 (16121224)	12.21651
(17121505)	12.97276 (15013101)	13.85998 (17010801)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP7 ***
 INCLUDING SOURCE(S): TP7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	506618.86	506868.86	X-COORD (METERS)	507118.86
507368.86	507618.86			

3606097.5	43.74339 (16120208)	33.53068 (16010908)	51.14823
(17021308)	59.47444 (15021508)	56.99395 (17021508)	
3605847.5	45.72640 (16120208)	46.81812 (16120208)	41.00819
(16010908)	67.95513 (15021508)	57.34696 (15021508)	
3605597.5	36.04889 (16121408)	51.44634 (16120208)	47.15942
(16120208)	60.73646 (15122808)	86.88729 (15021508)	
3605347.5	41.70453 (17020108)	43.75092 (16121408)	57.09852
(16120208)	58.37259 (15121708)	59.93705 (17021308)	
3605097.5	43.07234 (17010508)	48.77616 (15121803)	55.97122
(16121408)	74.79571 (16120208)	73.79697 (16010908)	
3604847.5	45.02257 (16011506)	58.70715 (17020308)	63.42635
(15120308)	78.24438 (17020108)	106.03106 (16120208)	
3604597.5	44.00295 (15012401)	54.94669 (15010408)	72.40393
(16012908)	86.79743 (15021008)	120.09009 (17020108)	
3604347.5	46.28888 (17012508)	55.94621 (17012508)	65.39973
(17012703)	88.38638 (15010408)	129.19742 (17020308)	
3604097.5	46.93199 (17122422)	56.84584 (16020401)	71.77608
(16011108)	93.61862 (16122808)	122.03748 (17012508)	
3603847.5	49.13575 (17011708)	60.53022 (17011708)	76.16348
(17011708)	98.61568 (17011708)	131.42029 (17011708)	
3603597.5	45.68665 (16012807)	54.41554 (16012807)	70.31358
(17122908)	90.36037 (17122908)	118.21484 (16010308)	
3603347.5	46.04790 (16021602)	51.91728 (16012803)	65.65599
(17120906)	84.24481 (16021406)	106.41951 (17010708)	
3603097.5	44.08453 (16021406)	51.48704 (17121720)	62.35108
(17010708)	73.78419 (16122619)	71.91369 (16021107)	
3602847.5	43.34839 (17121308)	49.78529 (15092707)	57.28800
(15092707)	42.47745 (15022607)	50.31915 (16020405)	
3602597.5	47.69598 (15092707)	37.12729 (15092707)	33.31236
(15121422)	36.81624 (16020405)	42.17294 (17010801)	
3602347.5	23.37801 (17122302)	26.07871 (15121422)	28.74684
(16020405)	31.56422 (16011601)	35.44295 (17012722)	
3602097.5	20.82794 (17012504)	22.84015 (16020405)	25.07342
(15120324)	27.52793 (16122704)	31.86106 (17022103)	
3601847.5	18.74375 (17011920)	20.83972 (15120324)	22.07177
(16122704)	24.06490 (17011624)	28.20603 (17022603)	
3601597.5	17.31267 (15120324)	18.34836 (16021923)	19.85997
(16120304)	25.62483 (17040807)	26.64939 (17020408)	
3601347.5	15.78526 (17010801)	16.81169 (17012722)	21.46710
(17040807)	20.66304 (17022603)	36.22624 (17020408)	
3601097.5	14.64040 (16122704)	15.56881 (17011624)	21.53844
(17040807)	22.08286 (15041007)	40.44409 (17020408)	

Otay Hills Quarry AERMOD Output File (HRA)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP7 ***
INCLUDING SOURCE(S): TP7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	507868.86	508118.86	X-COORD (METERS) 508368.86
508618.86	508868.86		

3606097.5	57.24501 (17021508)	58.58568 (15021006)	22.29967
(17022408)	14.07695 (16112208)	33.32216 (16091507)	
3605847.5	93.55332 (16012808)	43.52488 (16121101)	63.72512
(16120106)	68.33844 (15100707)	83.80491 (16010501)	
3605597.5	88.53589 (17021320)	47.97233 (16021807)	49.87305
(17022408)	56.05540 (16040620)	101.00875 (16010501)	
3605347.5	49.85012 (15021508)	56.98060 (17021508)	100.22865
(17011402)	77.10616 (15100707)	110.57365 (15122908)	
3605097.5	84.90506 (15021508)	143.36422 (16012808)	37.64164
(17022408)	28.58462 (16112208)	50.46694 (17032607)	
3604847.5	130.36325 (15122808)	107.73465 (17010208)	78.42487
(15081703)	39.79892 (16112208)	40.02796 (17032607)	
3604597.5	145.22570 (15123008)	228.17556 (16021523)	59.96948
(15013009)	60.69388 (16112208)	20.49067 (17032607)	
3604347.5	170.16376 (17020108)	223.65099 (16120708)	376.83846
(16012808)	177.14532 (15111919)	60.04702 (15122318)	
3604097.5	179.17389 (15121608)	292.82593 (15021008)	467.44452
(15122808)	474.20877 (16010501)	569.05964 (16121519)	
3603847.5	186.72933 (16011421)	326.18205 (16020401)	803.72529
(15121608)	2213.18752 (16122307)	975.78260 (17020717)	
3603597.5	173.52475 (16021602)	292.12060 (16021406)	550.13860
(16021107)	1626.05469 (16021702)	197.70091 (16020517)	
3603347.5	146.80783 (16021107)	141.15939 (17021905)	233.67694
(17022103)	339.13537 (17122205)	204.76283 (17101224)	
3603097.5	76.75158 (16121224)	98.23351 (17012722)	136.00252
(16010102)	181.31811 (17121519)	165.74343 (16121220)	
3602847.5	59.64241 (17022221)	78.99823 (16011119)	90.09132
(15012823)	113.10898 (15121123)	106.88517 (16022321)	
3602597.5	48.13194 (17011624)	68.63511 (17020408)	65.03965
(17122619)	81.27394 (15121123)	77.63651 (17123106)	
3602347.5	42.86660 (16011119)	69.53164 (17020408)	50.50860
(16010118)	62.07867 (15121123)	60.49031 (16121418)	
3602097.5	40.75744 (17020408)	52.89676 (17020408)	40.32525
(17122005)	49.40683 (15121123)	48.13793 (15021622)	
3601847.5	50.82023 (17020408)	34.87257 (17020408)	33.40657
(16122020)	40.56583 (15121123)	39.30556 (15021622)	
3601597.5	49.35961 (17020408)	27.37523 (17122619)	28.08909
(16022802)	34.11078 (15121123)	33.73830 (17122218)	
3601347.5	41.38421 (17020408)	23.45033 (16011319)	24.16390
(16012923)	29.21325 (15121123)	29.95605 (16112308)	
3601097.5	31.03109 (17020408)	20.66608 (15022601)	21.29403
(16012923)	25.42503 (15121123)	26.83377 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP7 ***
INCLUDING SOURCE(S): TP7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD (METERS)	509118.86	509368.86	X-COORD (METERS) 509618.86
509868.86	510118.86		

3606097.5	25.04161 (17032607)	20.56667 (15021924)	9.61758
(16111708)	7.43628 (17020109)	6.54823 (17020109)	
3605847.5	18.70357 (17032607)	69.38771 (15033023)	17.48698
(16083007)	7.96801 (17020109)	6.63967 (16092207)	
3605597.5	103.21994 (16121520)	66.68253 (17101124)	66.98557
(17032207)	34.44681 (16100201)	9.85269 (16081907)	
3605347.5	127.61420 (16120120)	97.63480 (15121319)	115.43683
(17021903)	20.81559 (16092207)	11.22984 (17121809)	
3605097.5	23.81111 (16111708)	11.45180 (17020109)	22.47949
(16092207)	86.02742 (15101307)	15.12130 (15082707)	
3604847.5	21.49430 (16111708)	11.78975 (16092207)	15.06375
(17121809)	12.92202 (15110508)	17.77276 (15082707)	
3604597.5	15.53282 (17020109)	18.33590 (17121809)	12.31328
(17032908)	8.37629 (15082707)	13.92060 (17032608)	
3604347.5	47.34539 (17121809)	38.52919 (15022724)	23.79062
(17032608)	30.36860 (17032608)	45.14257 (16040707)	
3604097.5	182.10417 (15081905)	83.21030 (16091707)	60.97205
(16040707)	30.66845 (16040707)	15.47422 (17082707)	
3603847.5	352.00498 (15120717)	141.02706 (16101021)	50.62179
(16090707)	25.05990 (17030408)	20.07701 (17030408)	
3603597.5	71.02660 (16012417)	60.90816 (15020117)	53.79397
(16012017)	38.96672 (17012817)	29.11055 (16052106)	
3603347.5	117.89264 (16013009)	110.37651 (15022408)	238.67727
(17022805)	49.00838 (17020318)	150.53667 (16121123)	
3603097.5	112.33508 (17081204)	158.76559 (17122124)	111.37179
(17121101)	134.21749 (15121020)	104.32233 (15022202)	
3602847.5	153.40609 (17120621)	105.15084 (16010421)	87.51433
(17122124)	88.94270 (17022804)	71.23025 (16121121)	
3602597.5	70.55712 (16121220)	94.30012 (17021408)	75.13666
(16010601)	63.77640 (17122124)	62.67105 (16121203)	
3602347.5	56.66424 (17010624)	65.26900 (17120621)	69.77142
(17021408)	56.66438 (16010601)	47.11334 (16012022)	
3602097.5	46.33896 (15021419)	42.52418 (17010406)	56.34914
(15020908)	48.86037 (16121022)	59.87069 (17011224)	
3601847.5	38.68874 (15011921)	36.31298 (15021719)	39.38823
(17120621)	46.51171 (17021408)	39.77485 (16121022)	
3601597.5	32.76105 (16122021)	37.72940 (15022808)	29.11062
(17010406)	38.75149 (17120621)	39.58482 (17021408)	
3601347.5	28.53472 (15020321)	29.44830 (15022808)	26.12212
(16121220)	26.17391 (17120621)	34.07550 (15020908)	
3601097.5	25.02957 (16121418)	24.35085 (17011319)	29.64837
(15022808)	21.66126 (17010406)	28.23108 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP7 ***
 INCLUDING SOURCE(S): TP7 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS)	510868.86
3606097.5	7.05929 (16092207)	8.12920 (17121809)	8.22910	
(17121809)	6.04638 (17121809)			
3605847.5	8.61739 (17121809)	9.02248 (17121809)	6.47148	
(17121809)	6.30716 (17032908)			
3605597.5	9.99765 (17121809)	6.95754 (17121809)	6.88649	
(15082707)	6.19634 (15082707)			
3605347.5	7.64580 (17032908)	7.73153 (15082707)	6.05958	
(15082707)	3.80827 (17122309)			
3605097.5	12.73947 (15110508)	5.53988 (15051907)	6.91125	
(17122309)	9.94679 (17122309)			
3604847.5	14.83861 (15022818)	11.48696 (17122309)	13.06509	
(17122309)	20.94367 (16040707)			
3604597.5	17.15261 (16040707)	30.55370 (16040707)	35.05156	
(16040707)	30.11076 (16040707)			
3604347.5	39.77046 (16040707)	25.44707 (16040707)	13.57521	
(16040707)	9.61902 (17082707)			
3604097.5	15.18141 (17082707)	13.95438 (17082707)	13.92752	
(16090707)	13.53848 (16090707)			
3603847.5	17.23163 (17030408)	15.46181 (17030408)	14.18445	
(17030408)	13.14842 (17030408)			
3603597.5	27.16618 (16052106)	14.19830 (15061907)	12.99048	
(15062407)	12.96281 (17042907)			
3603347.5	62.66530 (15051124)	16.61502 (15020117)	10.06446	
(15061907)	9.91386 (15061907)			
3603097.5	37.69478 (15111922)	13.30011 (15080207)	11.75221	
(17122709)	10.12294 (17122709)			
3602847.5	94.61791 (16040807)	37.82959 (15022408)	28.98315	
(15022408)	15.87765 (15022408)			
3602597.5	95.07533 (15031607)	39.65605 (16040807)	39.78114	
(16040807)	31.51174 (15022408)			
3602347.5	54.58248 (16122817)	69.41483 (17022804)	59.93080	
(17011308)	71.02583 (16040807)			
3602097.5	49.36439 (16121120)	37.89426 (15013018)	35.59054	
(16121203)	32.56950 (17121101)			
3601847.5	48.75134 (17011224)	31.95484 (16121120)	30.09023	
(15013018)	29.01514 (16121203)			
3601597.5	32.07536 (15021604)	31.07491 (17011224)	28.00983	
(16121120)	26.14133 (16013009)			
3601347.5	31.53910 (17021408)	26.71719 (16010421)	26.28031	
(17011224)	23.61903 (16121120)			
3601097.5	28.74512 (17021408)	25.12979 (16121022)	23.58314	
(16010421)	23.01147 (17011224)			

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP7 ***
 INCLUDING SOURCE(S): TP7 ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	454.92988 (16012908)	
507708.67	3603932.32	141.06093 (16020401)	
506203.59	3603369.23	34.98861 (17021402)	
507919.87	3604794.52	137.50700 (15122808)	
507037.89	3604916.08	58.39888 (16011607)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP8 ***
 INCLUDING SOURCE(S): TP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD (METERS)	504118.86	504368.86	X-COORD (METERS)	504618.86
3606097.5	13.26255 (16020408)	14.24680 (15011008)	17.32729	
(16012908)	19.36145 (17020308)	19.20151 (17020308)		
3605847.5	15.90897 (15040607)	14.91676 (15010408)	15.81491	
(16020408)	17.79287 (16011506)	22.05548 (16012908)		
3605597.5	16.48288 (15040607)	18.24991 (15040607)	19.36670	
(15040607)	18.78948 (15010408)	20.23020 (16020408)		
3605347.5	14.75498 (15012821)	15.59360 (15011608)	17.85169	
(15040607)	19.95384 (15040607)	22.81795 (15040607)		
3605097.5	15.21315 (15011519)	16.67391 (17012508)	18.43739	
(17012508)	18.29926 (15011608)	20.23226 (15011608)		
3604847.5	21.49296 (15040307)	21.57970 (15040307)	19.87568	
(15040307)	19.72694 (16122808)	21.98035 (17012508)		
3604597.5	18.62096 (17092707)	19.05254 (17092707)	20.86254	
(15040307)	24.74892 (15040307)	28.33690 (15040307)		

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3604347.5	18.83214 (16040507)	18.79473 (16040507)	18.67610
(16040507)	20.40498 (16011421)	23.16916 (15122708)	
3604097.5	16.39288 (17011708)	18.23091 (17011708)	19.60021
(17011708)	21.37036 (17011708)	23.48778 (17011708)	
3603847.5	17.53841 (17021608)	18.62501 (17021608)	20.23799
(17021608)	21.84417 (17122608)	24.81279 (17122608)	
3603597.5	17.38359 (17021608)	17.82218 (17021608)	18.68373
(17021608)	19.20227 (15021102)	21.09252 (15021102)	
3603347.5	14.52691 (15011603)	16.06236 (17122908)	17.98144
(17122908)	19.75086 (17122908)	21.63084 (17122908)	
3603097.5	14.33829 (17021402)	15.46153 (17011719)	16.95545
(17011719)	19.18275 (15012720)	20.46878 (15012720)	
3602847.5	14.18242 (16021602)	15.08375 (16021602)	16.63972
(16012803)	18.00326 (16012803)	19.81327 (17120906)	
3602597.5	13.80736 (16011702)	15.05678 (17120906)	16.54300
(15011506)	20.43125 (15092907)	24.66605 (15092907)	
3602347.5	17.10047 (15092907)	20.29725 (15092907)	22.09960
(15092907)	21.56252 (15092907)	18.72733 (17010704)	
3602097.5	19.19966 (15092907)	17.54545 (15092907)	16.58062
(17092807)	22.02643 (17092807)	25.23166 (17092807)	
3601847.5	15.83604 (17092807)	20.05107 (17092807)	22.02749
(17092807)	23.60419 (15092707)	29.69006 (15092707)	
3601597.5	19.89699 (17092807)	20.37409 (15092707)	25.51156
(15092707)	27.19028 (15092707)	23.54045 (15092707)	
3601347.5	22.55869 (15092707)	24.79982 (15092707)	23.10401
(15092707)	17.60803 (15092707)	10.80166 (17122302)	
3601097.5	22.26421 (15092707)	18.53405 (15092707)	12.76418
(15092707)	9.70116 (17122105)	10.25805 (15012201)	

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TP8
 INCLUDING SOURCE(S): TP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	505368.86	505618.86	505868.86
506118.86	506368.86		
-	-	-	-
-	-	-	-

3606097.5	27.75715 (17040507)	26.47221 (17040507)	26.53160
(17020108)	26.35814 (16121408)	39.57881 (16120208)	
3605847.5	24.08969 (17020308)	28.22562 (17040507)	31.48804
(17040507)	30.42229 (17020108)	30.71075 (16121408)	
3605597.5	23.13138 (16011506)	28.03271 (16012908)	29.17181
(17020308)	36.49849 (17040507)	34.94516 (17020108)	
3605347.5	23.27567 (15010408)	25.36131 (16020408)	30.94300
(16012908)	36.59951 (17020308)	38.59685 (17040507)	
3605097.5	23.16568 (15040607)	27.52185 (15040607)	29.84567
(15010408)	32.94722 (16020408)	42.30051 (16012908)	
3604847.5	23.74579 (17012508)	25.38885 (15011608)	28.87374
(15011608)	32.61763 (15012401)	39.83597 (15121608)	
3604597.5	26.46686 (15040307)	27.89821 (16122808)	29.36028
(16122808)	34.80700 (17012508)	39.54844 (15011608)	

3604347.5	26.21656 (17020524)	29.68984 (17020524)	32.21688
(16020401)	33.81537 (17013020)	41.12202 (16011108)	
3604097.5	26.03169 (16040507)	30.73014 (16120722)	34.17218
(16120722)	34.74702 (16120722)	39.98256 (16011421)	
3603847.5	28.40922 (15010808)	31.20288 (15010808)	33.41820
(15010808)	38.28424 (15010808)	43.43939 (15010808)	
3603597.5	24.10342 (15021102)	26.50690 (15021102)	29.35947
(15021102)	33.87830 (16012807)	41.35600 (16012807)	
3603347.5	23.65970 (16010308)	26.17615 (16010308)	29.27662
(17011719)	34.50612 (17011719)	40.45886 (16021602)	
3603097.5	22.52123 (16021602)	25.21318 (16012803)	28.30006
(16011702)	33.89514 (17120906)	39.38265 (15011506)	
3602847.5	21.87883 (15011506)	25.27550 (15092907)	31.10202
(15092907)	33.50724 (15092907)	38.81420 (17010708)	
3602597.5	26.64631 (15092907)	25.11751 (15092907)	27.85423
(17092807)	35.45590 (17092807)	45.47044 (15092707)	
3602347.5	25.02575 (17092807)	29.71105 (17092807)	35.29483
(15092707)	41.47839 (15092707)	32.81390 (15092707)	
3602097.5	28.34225 (15092707)	34.67091 (15092707)	32.80419
(15092707)	21.11982 (15092707)	19.14951 (15012201)	
3601847.5	29.92014 (15092707)	23.37925 (15092707)	15.13725
(17122302)	16.47076 (15121422)	17.81826 (17021905)	
3601597.5	15.91164 (15092707)	12.79796 (15022607)	14.13239
(15121422)	15.32825 (16121224)	16.33643 (17121505)	
3601347.5	11.29134 (15022607)	12.26521 (17012504)	13.22521
(16121224)	14.07528 (17121505)	15.01396 (15120324)	
3601097.5	11.07117 (17012504)	11.67274 (16121224)	12.53900
(17121505)	13.20975 (15120324)	13.87897 (17010801)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TP8
 INCLUDING SOURCE(S): TP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD			X-COORD (METERS)
(METERS)	506618.86	506868.86	507118.86
507368.86	507618.86		
-	-	-	-
-	-	-	-

3606097.5	46.98481 (16120208)	34.45227 (15121708)	51.62870
(17021308)	66.10458 (15021508)	55.76823 (17021508)	
3605847.5	44.65662 (16120208)	51.54662 (16120208)	44.17261
(16010908)	72.91606 (15021508)	64.89391 (17021122)	
3605597.5	36.23714 (16121408)	50.47940 (16120208)	53.28807
(16120208)	64.81291 (15122808)	92.41617 (15021508)	
3605347.5	40.78893 (15121803)	44.02997 (17020108)	56.28041
(16120208)	60.19801 (15121708)	59.94969 (17021308)	
3605097.5	46.74020 (17020308)	51.51978 (16011607)	61.54059
(17020108)	75.88417 (16120208)	77.92315 (15121708)	
3604847.5	44.81624 (16020408)	61.52514 (16012908)	69.60403
(15021008)	90.72484 (17020108)	114.70682 (16120208)	
3604597.5	46.20432 (17012703)	57.96483 (15121608)	69.92356
(16011506)	98.82442 (17020308)	137.38660 (17020108)	

Otay Hills Quarry AERMOD Output File (HRA)

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3604347.5 | 48.77751 (16122808) 57.82789 (17012508) 69.89780
(15011608) 93.91529 (15121608) 133.29751 (16012908)
3604097.5 | 47.36934 (16011421) 58.45419 (17020524) 73.41052
(16020401) 93.96402 (16011108) 127.81320 (17012508)
3603847.5 | 49.73346 (15010808) 60.02989 (15010808) 73.90447
(15010808) 95.22210 (15010808) 134.92914 (17011708)
3603597.5 | 48.72256 (17122908) 58.76895 (17122908) 72.36166
(17122908) 87.24678 (17011719) 118.48398 (16021602)
3603347.5 | 47.09532 (16021602) 54.04592 (16011702) 68.25106
(15011506) 88.36982 (17121720) 111.28577 (17121308)
3603097.5 | 45.72874 (16021406) 53.15838 (17122824) 65.49996
(17121308) 74.29148 (16021107) 60.09829 (17122302)
3602847.5 | 46.95829 (17121308) 56.01723 (15092707) 51.23290
(15092707) 43.20180 (15121422) 49.40557 (17121505)
3602597.5 | 46.45635 (15092707) 30.28555 (17122302) 34.40341
(15121422) 36.79330 (17121505) 40.82732 (16021923)
3602347.5 | 23.49017 (16011206) 26.51511 (17012504) 29.17340
(17121505) 31.97982 (17010801) 34.87828 (16120304)
3602097.5 | 21.04782 (17021905) 23.32308 (17121505) 24.88014
(17010801) 27.34183 (17012722) 32.19174 (17022103)
3601847.5 | 19.19563 (17121505) 20.84464 (15120324) 22.25134
(16122704) 24.10799 (17040807) 27.81331 (15121007)
3601597.5 | 17.52537 (15120324) 18.50594 (16022007) 19.84574
(16120304) 24.81534 (17040807) 30.12350 (17020408)
3601347.5 | 15.78437 (16021923) 17.02860 (17012722) 23.00761
(17040807) 21.23737 (15041007) 38.67122 (17020408)
3601097.5 | 14.54362 (16011202) 16.67919 (17040807) 20.49725
(17040807) 22.48092 (15041007) 41.42896 (17020408)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP8
***
INCLUDING SOURCE(S): TP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)
(METERS) | 507868.86 508118.86 508368.86
508618.86 508868.86
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3606097.5 | 60.10850 (17021508) 49.56326 (17020823) 22.55570
(17022408) 14.10705 (16112208) 34.89426 (17032607)
3605847.5 | 95.21668 (16012808) 71.44029 (16120908) 53.35112
(17022408) 50.12308 (15100707) 83.13368 (17032607)
3605597.5 | 84.65618 (16020419) 52.80382 (16021807) 53.94949
(16120106) 61.15367 (15010907) 104.45633 (17020819)
3605347.5 | 56.63076 (15021508) 62.77552 (17021508) 77.66564
(15121906) 49.51619 (15111919) 122.64495 (17120924)
3605097.5 | 91.54051 (15021508) 163.88264 (16012808) 38.50074
(17022408) 29.47772 (16112208) 47.39858 (17032607)
3604847.5 | 180.73980 (17021107) 171.48485 (15121303) 73.20003
(17022408) 41.39358 (16112208) 34.00974 (17032607)
3604597.5 | 165.78704 (15120408) 184.84760 (16021523) 61.22978
(15013009) 63.84753 (16112208) 25.32004 (16111708)

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3604347.5 | 173.06438 (15120308) 246.31637 (15123008) 349.46384
(16020419) 144.75360 (17032607) 58.61365 (17121007)
3604097.5 | 184.59958 (17012703) 343.33479 (17020308) 574.37824
(16120708) 681.26011 (16010501) 606.95473 (17011520)
3603847.5 | 208.44517 (17011708) 353.68036 (17011708) 882.06754
(16020401) 3287.21851 (15101823) 615.22644 (16030902)
3603597.5 | 177.64736 (17120906) 291.59283 (17010708) 390.05302
(16020405) 732.46548 (16061306) 173.60173 (16012917)
3603347.5 | 134.98584 (16021107) 132.84084 (17121505) 215.47499
(15021805) 310.05379 (16022219) 138.52245 (16123017)
3603097.5 | 74.78454 (17121505) 93.89019 (16120304) 128.46805
(17020408) 180.10349 (17122205) 165.67745 (15011507)
3602847.5 | 59.13439 (16122704) 75.15266 (15121007) 84.56949
(17020905) 105.09633 (17121519) 100.64589 (17011319)
3602597.5 | 49.59003 (17022103) 74.32736 (17020408) 62.08469
(15022601) 76.78683 (15121123) 73.83624 (17123106)
3602347.5 | 41.87246 (15121007) 68.18448 (17020408) 48.64735
(16010118) 59.43132 (15121123) 57.93881 (16121418)
3602097.5 | 45.59612 (17020408) 49.15268 (17020408) 39.16360
(16122020) 47.60201 (15121123) 46.43729 (15021622)
3601847.5 | 52.78174 (17020408) 31.44371 (17020408) 32.39754
(16122020) 39.29970 (15121123) 38.03321 (15021622)
3601597.5 | 48.80020 (17020408) 26.97321 (17122619) 27.41137
(16022802) 33.21649 (15121123) 32.94686 (17122218)
3601347.5 | 39.62286 (17020408) 23.11074 (16011319) 23.83631
(16012923) 28.56214 (15121123) 30.07775 (16112308)
3601097.5 | 29.03198 (17020408) 20.48210 (15022601) 21.05817
(16012923) 24.97584 (15121123) 26.96604 (16112308)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP8
***
INCLUDING SOURCE(S): TP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD | X-COORD (METERS)
(METERS) | 509118.86 509368.86 509618.86
509868.86 510118.86
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3606097.5 | 23.05085 (17032607) 14.77778 (17121006) 10.06013
(16111708) 7.64955 (17020109) 6.26903 (17020109)
3605847.5 | 16.38825 (17032607) 75.58292 (15033023) 17.22779
(16083007) 7.83985 (17020109) 7.57081 (16092207)
3605597.5 | 87.05855 (16121520) 69.97315 (17101124) 51.61237
(15092321) 23.77989 (16100201) 10.28384 (16081907)
3605347.5 | 115.81884 (16120120) 100.73618 (16120518) 101.72066
(17021903) 20.88252 (16092207) 10.99783 (17121809)
3605097.5 | 23.87547 (16083007) 11.54523 (17020109) 24.19222
(16092207) 62.49592 (15101307) 17.04541 (15082707)
3604847.5 | 21.42814 (16111708) 14.63815 (16092207) 14.90455
(17121809) 10.45820 (15082707) 15.79089 (15082707)
3604597.5 | 16.05163 (17020519) 18.38334 (17121809) 12.71320
(15082707) 9.91064 (17122309) 18.20280 (17032608)

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Otay Hills Quarry AERMOD Output File (HRA)

3604347.5	44.86064 (17011903)	30.99356 (15022724)	35.21811
(17032608)	42.06103 (16040707)	47.06350 (16040707)	
3604097.5	112.59331 (15121321)	80.87244 (16040707)	45.93136
(16040707)	17.33096 (17082707)	16.95336 (17082707)	
3603847.5	227.46110 (17073005)	85.23056 (15061006)	38.77166
(16090707)	26.78085 (17030408)	20.72641 (17030408)	
3603597.5	88.79095 (15022408)	54.08016 (16011417)	42.18385
(15020117)	33.75942 (16012017)	24.18721 (15061907)	
3603347.5	118.21784 (16013009)	80.09964 (16040807)	195.77483
(15022202)	40.54314 (17010617)	106.10571 (15042023)	
3603097.5	71.37788 (17010817)	162.75379 (17122124)	118.76115
(17022804)	169.42697 (15121020)	135.29635 (15022202)	
3602847.5	151.31159 (17120621)	98.17137 (16121022)	80.43742
(16012022)	95.03910 (16121203)	73.47220 (16121121)	
3602597.5	70.27985 (16121220)	89.44926 (15020908)	72.44677
(16010421)	64.25680 (16121120)	65.87467 (16122817)	
3602347.5	54.80921 (17010624)	59.01731 (17120621)	69.48322
(17021408)	54.95826 (16010601)	49.15503 (16121120)	
3602097.5	44.60555 (16022321)	41.63875 (17010406)	54.28187
(17120621)	49.87196 (17021408)	78.10948 (16010601)	
3601847.5	37.80741 (15011921)	37.65667 (15022808)	35.96003
(17120621)	45.57393 (15020908)	40.41713 (16121022)	
3601597.5	32.01221 (16122021)	37.67588 (15022808)	28.77879
(17010406)	37.40153 (17120621)	38.88614 (17021408)	
3601347.5	28.07545 (15020321)	28.65352 (15022808)	25.56636
(16121220)	25.55187 (16121008)	32.93487 (15020908)	
3601097.5	24.68233 (16121418)	24.11018 (17011319)	30.25584
(15022808)	21.65078 (17010406)	27.10952 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TP8 INCLUDING SOURCE(S): TP8 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS)	510368.86	510618.86	X-COORD (METERS)	510868.86
511118.86				

3606097.5	7.63300 (16092207)	8.51716 (17121809)	8.02612
(17121809)	5.65828 (17032908)		
3605847.5	9.15312 (17121809)	8.80642 (17121809)	6.29912
(17032908)	6.37625 (15082707)		
3605597.5	9.77046 (17121809)	7.06574 (17032908)	7.07772
(15082707)	5.76300 (15082707)		
3605347.5	7.99057 (17032908)	7.70830 (15082707)	5.37713
(15082707)	4.88330 (17122309)		
3605097.5	8.65555 (15022724)	5.30866 (15051907)	8.43182
(17122309)	10.99400 (17122309)		
3604847.5	12.35153 (16082307)	12.94677 (17122309)	16.31782
(16040707)	25.82214 (16040707)		
3604597.5	25.20342 (16040707)	35.79146 (16040707)	34.56723
(16040707)	26.01527 (16040707)		

3604347.5	33.04218 (16040707)	18.04855 (16040707)	10.19145
(17082707)	10.74511 (17082707)		
3604097.5	15.58579 (16090707)	15.50963 (16090707)	14.75994
(16090707)	13.68340 (16090707)		
3603847.5	17.40217 (17030408)	15.66234 (15062407)	14.48142
(15062407)	13.48206 (15062407)		
3603597.5	23.53330 (16052106)	16.21093 (15061907)	12.91516
(17042907)	12.79015 (17042907)		
3603347.5	45.91526 (15091922)	14.24449 (16121017)	7.68106
(15061907)	8.20550 (15061907)		
3603097.5	34.78782 (15022408)	16.64888 (15022408)	11.80169
(17122709)	10.64751 (17122709)		
3602847.5	116.69914 (15121020)	35.64650 (15022408)	32.79046
(15022408)	20.74702 (15022408)		
3602597.5	88.96900 (15031607)	34.06571 (16040807)	40.95083
(16040807)	30.05524 (16040807)		
3602347.5	56.12328 (15013018)	71.46524 (17022804)	43.50925
(16060106)	64.81451 (16040807)		
3602097.5	86.67226 (17040307)	37.56431 (15013018)	37.85430
(16121203)	34.64781 (17022804)		
3601847.5	47.35395 (17011224)	32.82695 (16121120)	30.56082
(17122124)	29.38655 (16122817)		
3601597.5	34.02185 (16121022)	30.77917 (17011224)	28.98533
(17122518)	25.72076 (17122124)		
3601347.5	32.02125 (17021408)	25.23637 (16010421)	26.13167
(17011224)	24.16183 (17122518)		
3601097.5	28.54500 (15020908)	25.30289 (17021408)	22.73017
(16010421)	23.32244 (17011224)		

*** AERMOD - VERSION 18081 *** *** E:\Work\SRM 12 - Otay Hills\AERMOD\Otay Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TP8 INCLUDING SOURCE(S): TP8 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	446.67946 (15121608)	
507708.67	3603932.32	146.26850 (16011421)	
506203.59	3603369.23	36.35489 (17011719)	
507919.87	3604794.52	197.43315 (16010223)	
507037.89	3604916.08	63.82320 (15021008)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: TP9

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 504118.86 504368.86 X-COORD (METERS) 504618.86

504868.86 505118.86

3606097.5 | 13.37463 (16020408) 14.22216 (15011008) 17.12242

(16012908) 19.40689 (17020308) 19.84483 (17020308)

3605847.5 | 16.38812 (15040607) 15.32549 (15040607) 16.00215

(16020408) 17.78785 (15011008) 22.22950 (16012908)

3605597.5 | 16.37197 (15040607) 18.44363 (15040607) 19.99747

(15040607) 19.39976 (15040607) 20.85453 (16020408)

3605347.5 | 15.31033 (17012508) 15.76380 (15011608) 17.58222

(15040607) 20.01657 (15040607) 23.53632 (15040607)

3605097.5 | 15.86386 (16122808) 16.79173 (17010407) 18.83853

(17012508) 18.85007 (17012508) 20.56310 (15011608)

3604847.5 | 21.87584 (15040307) 22.49342 (15040307) 21.25724

(15040307) 20.27097 (16122808) 22.45311 (15011519)

3604597.5 | 18.88659 (17092707) 19.68665 (17092707) 20.02149

(17092707) 24.32271 (15040307) 28.75963 (15040307)

3604347.5 | 19.63521 (16040507) 19.86851 (16040507) 20.08157

(16040507) 20.99067 (16011421) 23.72898 (16011421)

3604097.5 | 16.51569 (17011708) 18.55667 (17011708) 20.02876

(17011708) 22.00996 (17011708) 24.46675 (17011708)

3603847.5 | 18.87051 (17021608) 20.11401 (17021608) 21.97928

(17021608) 23.04142 (17021608) 25.95929 (17122608)

3603597.5 | 16.33062 (17021608) 16.59835 (17021608) 17.99558

(15021102) 20.05990 (15021102) 21.85143 (15021102)

3603347.5 | 14.90797 (17122908) 16.59771 (17122908) 18.44922

(17122908) 20.02487 (17122908) 21.73425 (16010308)

3603097.5 | 14.48596 (17021402) 15.83195 (17011719) 17.07893

(17011719) 19.63963 (15012720) 20.99956 (16021602)

3602847.5 | 14.28628 (16021602) 14.99610 (16012803) 17.08119

(16012803) 18.52052 (16011702) 20.36666 (17120906)

3602597.5 | 13.99548 (17120906) 15.21135 (17120906) 17.38662

(15092907) 22.09380 (15092907) 25.59062 (15092907)

3602347.5 | 18.34096 (15092907) 21.09230 (15092907) 22.13260

(15092907) 20.67797 (15092907) 19.51047 (17092807)

3602097.5 | 18.77679 (15092907) 16.52499 (15092907) 18.31912

(17092807) 23.23333 (17092807) 25.22959 (17092807)

3601847.5 | 17.20623 (17092807) 20.94203 (17092807) 21.97897

(17092807) 25.40389 (15092707) 30.45015 (15092707)

3601597.5 | 19.84548 (17092807) 21.94480 (15092707) 26.37721

(15092707) 26.83817 (15092707) 22.03019 (15092707)

3601347.5 | 23.48206 (15092707) 24.82896 (15092707) 22.13852

(15092707) 16.06062 (15092707) 10.84039 (17122302)

3601097.5 | 21.71468 (15092707) 17.34761 (15092707) 11.42062

(15092707) 9.78724 (17122105) 10.41310 (15121422)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP9 ***

INCLUDING SOURCE(S): TP9 ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

Y-COORD (METERS) | 505368.86 505618.86 X-COORD (METERS) 505868.86

506118.86 506368.86

3606097.5 | 27.97953 (17040507) 27.80367 (17040507) 27.00566

(17020108) 26.60425 (16121408) 39.38631 (16120208)

3605847.5 | 24.74625 (17020308) 27.96973 (17040507) 32.71718

(17040507) 30.59566 (17020108) 30.90890 (16121408)

3605597.5 | 23.30943 (16011506) 28.84193 (16012908) 30.87498

(17020308) 37.38197 (17040507) 34.81235 (17020108)

3605347.5 | 23.85947 (15121608) 26.32085 (16020408) 31.06414

(16011506) 37.83455 (17020308) 39.25192 (15021008)

3605097.5 | 23.07236 (15040607) 28.33471 (15040607) 31.02599

(15121608) 34.51085 (16020408) 42.92573 (16012908)

3604847.5 | 23.87679 (17012508) 25.90651 (17012508) 30.30353

(15011608) 33.49052 (17012703) 41.40336 (15121608)

3604597.5 | 27.58496 (15040307) 28.31457 (16122808) 30.45084

(16122808) 34.99502 (17012508) 40.40582 (17012508)

3604347.5 | 27.19893 (15122708) 30.98184 (17122422) 33.47578

(16020401) 34.26005 (15020702) 41.36035 (16011108)

3604097.5 | 27.39806 (17011708) 32.60560 (17011708) 35.46921

(16120722) 36.04533 (16120722) 39.84471 (16120722)

3603847.5 | 29.90078 (17122608) 32.84533 (17122608) 34.94303

(17122608) 40.14604 (17122608) 45.42956 (17122608)

3603597.5 | 24.86485 (15021102) 27.02875 (16012807) 30.13792

(16012807) 34.79889 (15011603) 44.19335 (17122908)

3603347.5 | 23.95134 (16010308) 26.45591 (17021402) 30.16210

(17011719) 35.76353 (15012720) 41.99091 (16021602)

3603097.5 | 22.48014 (16021602) 26.12472 (16012803) 29.09398

(16011702) 34.84318 (15011506) 40.80147 (16021406)

3602847.5 | 22.38434 (15011506) 27.65180 (15092907) 32.09794

(15092907) 33.71882 (17122824) 40.71015 (17010708)

3602597.5 | 26.30523 (15092907) 24.73169 (17122824) 30.45970

(17092807) 35.71162 (17092807) 48.65305 (15092707)

3602347.5 | 26.81711 (17092807) 29.81435 (17092807) 37.92892

(15092707) 41.17191 (15092707) 29.44752 (15092707)

3602097.5 | 30.48960 (15092707) 35.09409 (15092707) 30.90811

(15092707) 18.36018 (17122302) 19.59767 (15121422)

3601847.5 | 28.97122 (15092707) 21.18901 (15092707) 15.30987

(17122105) 16.88116 (15121422) 18.13589 (16121224)

3601597.5 | 14.02396 (15092707) 13.02944 (15022607) 14.26393

(17012504) 15.54554 (16121224) 16.52070 (17121505)

3601347.5 | 11.52426 (15012201) 12.48410 (17012504) 13.34410

(16020405) 14.23094 (17121505) 15.14460 (15120324)

3601097.5 | 11.16592 (17012504) 11.84707 (16020405) 12.68854

(17121505) 13.42414 (15120324) 13.96874 (16021923)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: TP9 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP9 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD | X-COORD (METERS)
 (METERS) | 506618.86 506868.86 507118.86
 507368.86 507618.86

3606097.5	48.56234 (16120208)	35.51454 (15121708)	53.73466
(17021308)	70.97480 (15021508)	64.41319 (17010724)	
3605847.5	44.51722 (16120208)	53.84338 (16120208)	46.43064
(16010908)	75.76781 (15021508)	70.28794 (15121303)	
3605597.5	36.36571 (17020202)	50.39775 (16120208)	56.11055
(16120208)	66.16371 (15122808)	94.52460 (15021508)	
3605347.5	42.28967 (15121803)	46.11200 (17020108)	56.20346
(16120208)	61.27077 (15121708)	61.03907 (17021308)	
3605097.5	49.85554 (17020308)	54.20000 (15120308)	66.14816
(17020108)	77.08549 (16120208)	82.07046 (15121708)	
3604847.5	47.53540 (16020408)	64.84191 (16012908)	74.41363
(15021008)	98.75838 (17020108)	121.86575 (16120208)	
3604597.5	48.03245 (17121424)	60.28284 (15121608)	73.50652
(16020408)	109.04893 (17020308)	146.87025 (17020108)	
3604347.5	49.98406 (16122808)	57.74859 (17012508)	72.62958
(15011608)	96.97149 (15121608)	135.09035 (16012908)	
3604097.5	48.49820 (16011421)	60.25269 (15122708)	76.86711
(17020524)	94.17348 (17013020)	135.46295 (16122808)	
3603847.5	51.59006 (17122608)	62.66200 (17122608)	77.53757
(17122608)	101.78392 (17122608)	141.72737 (17122608)	
3603597.5	51.62838 (17122908)	60.13024 (17122908)	73.44333
(16010308)	90.04060 (15012720)	120.35211 (16012803)	
3603347.5	49.31168 (16012803)	56.30178 (17120906)	70.62416
(16021406)	93.44518 (17122824)	113.39752 (17121308)	
3603097.5	47.76068 (17121720)	55.87666 (17010708)	67.16213
(17121308)	73.92881 (16021107)	61.06167 (15022607)	
3602847.5	48.24103 (17121308)	58.53208 (15092707)	45.22445
(15092707)	44.65061 (15121422)	49.33585 (17121505)	
3602597.5	44.22395 (15092707)	30.61011 (17122302)	35.21733
(17012504)	37.08148 (17121505)	41.35364 (16122704)	
3602347.5	24.03044 (15022607)	27.02548 (17021905)	29.54493
(17121505)	31.89585 (17010801)	34.90145 (17011624)	
3602097.5	21.27465 (16121224)	23.59800 (17121505)	25.35715
(17010801)	27.62421 (17012722)	32.28108 (17022103)	
3601847.5	19.40543 (17121505)	21.07654 (17010801)	22.19180
(16122704)	26.28802 (17040807)	27.82969 (15021805)	
3601597.5	17.52609 (15120324)	18.91679 (16122704)	19.99329
(17011624)	23.49488 (17040807)	33.51779 (17020408)	
3601347.5	15.96792 (16022007)	17.09106 (16120304)	23.86701
(17040807)	22.36291 (15041007)	40.85927 (17020408)	
3601097.5	14.84305 (17012722)	18.49566 (17040807)	19.22413
(17040807)	23.97489 (17020408)	42.10683 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP9 ***

INCLUDING SOURCE(S): TP9 ,
 *** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD | X-COORD (METERS)
 (METERS) | 507868.86 508118.86 508368.86
 508618.86 508868.86

3606097.5	41.33187 (17070706)	43.60970 (15022002)	21.96016
(17022408)	13.72454 (16112208)	37.03467 (17032607)	
3605847.5	84.63047 (16012808)	94.80115 (16120908)	52.48000
(17022408)	38.08466 (15111919)	86.38063 (17032607)	
3605597.5	81.42602 (17021508)	54.95116 (16021807)	56.96436
(16120106)	64.26958 (15010907)	100.58166 (17020819)	
3605347.5	59.01001 (15021508)	64.17729 (17021508)	72.10574
(17022408)	35.50716 (15111919)	124.61117 (17120924)	
3605097.5	96.52971 (15021508)	149.44767 (16012808)	39.98808
(17022408)	28.52861 (16112208)	41.84589 (17032607)	
3604847.5	186.99971 (17021107)	173.17292 (15121303)	78.71686
(17022408)	39.70088 (16112208)	26.16153 (17032607)	
3604597.5	180.98296 (15120408)	167.22234 (15021508)	64.17782
(15013009)	65.11299 (17032607)	32.56029 (16111708)	
3604347.5	196.25416 (15120308)	276.85099 (15123008)	271.40556
(16020419)	191.08789 (17032607)	57.90814 (17022620)	
3604097.5	209.47137 (15011608)	375.30536 (16012908)	693.12804
(15121708)	918.72202 (15122908)	448.37735 (16021003)	
3603847.5	217.96753 (17122608)	366.65393 (17011708)	1025.44018
(17011708)	4892.31925 (17020717)	405.61003 (16051406)	
3603597.5	186.69123 (16021406)	300.77879 (17121308)	376.95327
(15120324)	449.56733 (16021308)	193.35769 (16013009)	
3603347.5	114.00721 (16021107)	130.63002 (15013101)	214.35039
(16012324)	308.04665 (16022219)	112.95240 (16022919)	
3603097.5	74.49825 (17121505)	93.12651 (17022103)	122.98085
(16120124)	183.70755 (17122205)	167.78784 (15011507)	
3602847.5	58.65196 (17012722)	75.24691 (15021805)	82.99773
(17122619)	101.74970 (17122205)	97.59468 (16022321)	
3602597.5	51.16296 (17022103)	78.50332 (17020408)	62.04636
(16010118)	74.01230 (17121519)	71.51906 (17123106)	
3602347.5	41.96105 (15021805)	65.84298 (17020408)	48.08589
(17122005)	57.70880 (15121123)	56.52079 (16121418)	
3602097.5	50.04886 (17020408)	45.02589 (17020408)	38.65846
(16122020)	46.45848 (15121123)	45.45925 (17121306)	
3601847.5	54.17463 (17020408)	30.75576 (17020905)	32.12529
(16022802)	38.54303 (15121123)	37.63226 (15021622)	
3601597.5	47.79555 (17020408)	26.71668 (17122619)	27.13834
(16012923)	32.73418 (15121123)	32.71466 (16112308)	
3601347.5	37.57087 (17020408)	22.94920 (15022601)	23.69197
(16012923)	28.24846 (15121123)	30.31702 (16112308)	
3601097.5	26.87171 (17020408)	20.60061 (16010118)	21.07195
(17010402)	24.80681 (15121123)	27.34260 (16112308)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP9 ***

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                                INCLUDING SOURCE(S):      TP9          ,
                                *** NETWORK ID: UCART1    ; NETWORK TYPE:
GRIDCART ***

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3606097.5	20.38683 (17032607)	13.74336 (15121322)	10.28215
(16111708)	7.74899 (17020109)	5.96149 (17020109)	
3605847.5	13.65971 (17032607)	68.91469 (15033023)	16.68240
(16083007)	7.61784 (17020109)	8.18974 (16092207)	
3605597.5	70.00992 (15021924)	65.37736 (17060105)	39.85029
(15092321)	18.58083 (15022123)	10.38307 (16081907)	
3605347.5	100.92238 (15033023)	89.59622 (16120518)	87.70393
(17022521)	20.04796 (16092207)	10.58592 (17121809)	
3605097.5	25.37821 (16083007)	11.33365 (17020109)	24.34292
(16092207)	51.36222 (17090523)	12.57245 (15110508)	
3604847.5	19.85083 (16111708)	16.16636 (16092207)	14.25097
(17121809)	11.22092 (15022724)	13.89710 (15082707)	
3604597.5	20.25435 (16092207)	17.47943 (17121809)	12.29958
(15082707)	12.31049 (17032608)	20.27226 (17032608)	
3604347.5	41.89471 (17012305)	33.18720 (15022818)	40.46022
(17032608)	48.93109 (16040707)	44.46296 (16040707)	
3604097.5	111.00945 (16040707)	78.40858 (16040707)	32.74361
(16040707)	18.69888 (17082707)	17.08537 (17082707)	
3603847.5	175.57821 (15061006)	81.02332 (15021202)	36.91004
(17030408)	25.73631 (17030408)	20.52160 (15062407)	
3603597.5	97.75677 (15022408)	51.38591 (17122117)	39.84296
(16121017)	29.57246 (15020117)	22.72350 (15061907)	
3603347.5	104.63089 (16013009)	69.40435 (16040807)	150.51658
(16100807)	38.51657 (15012417)	88.33223 (17040401)	
3603097.5	56.34840 (17020419)	151.81621 (17122124)	123.40197
(17022804)	150.33729 (15121020)	140.68161 (16121122)	
3602847.5	146.06130 (17120621)	97.23704 (16121022)	81.65208
(16121120)	94.59985 (16121203)	74.56050 (17121101)	
3602597.5	70.01811 (16121220)	86.91740 (15020908)	71.33628
(16010421)	66.52632 (16121120)	67.13101 (16122817)	
3602347.5	53.76706 (17010624)	57.29831 (17120621)	68.97351
(17021408)	54.14481 (16010421)	50.22452 (17122518)	
3602097.5	43.76218 (15021419)	41.39977 (17010406)	53.85646
(17120621)	50.17940 (17021408)	84.18354 (16010601)	
3601847.5	37.31208 (15011921)	37.57818 (15022808)	35.38152
(16121008)	45.02266 (15020908)	40.81819 (16121022)	
3601597.5	31.81486 (16122021)	37.94547 (15022808)	28.61466
(17010406)	36.86087 (17120621)	38.45157 (17021408)	
3601347.5	28.05013 (17031208)	29.21071 (15022808)	25.27823
(16121220)	25.50934 (16121008)	32.60999 (15020908)	
3601097.5	24.52186 (16121418)	24.01762 (17011319)	30.25964
(15022808)	21.63065 (17010406)	26.84910 (17120621)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*
*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: TP9 ***

3606097.5 (17121809)	7.93168 (16092207) 5.85435 (17032908)	8.72420 (17121809)	7.76885
3605847.5 (17032908)	9.45982 (17121809) 6.49491 (15082707)	8.51111 (17121809)	6.48891
3605597.5 (15082707)	9.42559 (17121809) 5.35594 (15082707)	7.23250 (17032908)	7.07349
3605347.5 (15082707)	8.10177 (17032908) 5.70941 (17122309)	7.49896 (15082707)	4.81156
3605097.5 (17122309)	7.56360 (15082707) 11.52376 (17122309)	5.75096 (17122309)	9.46167
3604847.5 (16040707)	13.20686 (16082307) 28.55898 (16040707)	13.65121 (17122309)	20.15439
3604597.5 (16040707)	30.71008 (16040707) 22.60959 (16040707)	37.64071 (16040707)	32.60415
3604347.5 (17082707)	27.23723 (16040707) 11.24520 (17082707)	13.57694 (16040707)	11.05954
3604097.5 (16090707)	16.83507 (16090707) 13.31527 (16090707)	15.98647 (16090707)	14.71647
3603847.5 (15062407)	18.41338 (15062407) 14.25149 (15062407)	16.74408 (15062407)	15.38422
3603597.5 (17042907)	21.40149 (15061907) 12.21644 (17042907)	16.59753 (15061907)	13.73724
3603347.5 (17122709)	39.30235 (15091922) 7.11390 (15061907)	13.71121 (17082908)	8.25569
3603097.5 (17122709)	37.63971 (15022408) 10.78182 (17122709)	19.95558 (15022408)	11.63971
3602847.5 (15022408)	110.08720 (15121020) 23.12590 (15022408)	37.64405 (16040807)	33.85146
3602597.5 (16040807)	72.92212 (15031607) 32.06809 (16040807)	30.97989 (16040807)	40.58461
3602347.5 (16060106)	56.07434 (15013018) 60.84043 (16040807)	70.17413 (17010220)	37.64589
3602097.5 (16121203)	92.18323 (17040307) 35.90332 (17022804)	38.24248 (17122124)	38.80944
3601847.5 (17122124)	67.13348 (16010601) 29.86754 (16122817)	33.61628 (17122518)	30.93505
3601597.5 (17122518)	34.95162 (16121022) 25.63405 (17122124)	30.59760 (17011224)	29.88609
3601347.5 (17011224)	32.00785 (17021408) 24.68077 (17122518)	24.79756 (16121022)	25.94379
3601097.5 (16010421)	28.21155 (15020908) 23.46562 (17011224)	25.51183 (17021408)	22.26959

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 *** MODELOPTs: RegDFault CONC ELEV RURAL ADJ_U*
 *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: TP9 ***

Otay Hills Quarry AERMOD Output File (HRA)

INCLUDING SOURCE(S): TP9 ,

*** DISCRETE CARTESIAN RECEPTOR

POINTS ***

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

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD
508226.78	3603955.63	499.90638	(17012508)	
507708.67	3603932.32	153.60859	(16120722)	
506203.59	3603369.23	37.62920	(15012720)	
507919.87	3604794.52	179.89317	(15122808)	
507037.89	3604916.08	68.46366	(15021008)	

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*** MODELPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): HMA1 , OFFRD

CBP1	CBP2	CBP3	TC5	RAP1	HSI1
TC6	AS2	TC7			
SP2	HMA2	HMA3	CTB2	CTB1	SP1
SP16	SP6	SP7	SP10	SP11	SP15
	SP8	SP9			
	SP17				

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
504868.86	504118.86
	504368.86
	504618.86

3606097.5	1051.43351 (16020408)	1063.01681 (15011008)	1278.45258
(16012908)	1449.20821 (17020308)	1440.24111 (17010508)	
3605847.5	1241.24655 (15040607)	1129.64849 (16020408)	1241.95059
(16020408)	1310.85089 (15011008)	1624.95745 (16012908)	
3605597.5	1308.38211 (15040607)	1436.91618 (15040607)	1509.96230
(15040607)	1433.19456 (15020808)	1603.88245 (16020408)	
3605347.5	1133.82741 (17012508)	1231.76426 (15040607)	1404.96352
(15040607)	1554.80629 (15040607)	1769.71160 (15040607)	
3605097.5	1174.08617 (16122808)	1285.64807 (17012508)	1409.04315
(17012508)	1362.29670 (17012508)	1474.54212 (15040607)	
3604847.5	1482.23318 (15040307)	1496.69931 (15040307)	1399.37695
(15040307)	1482.15602 (16122808)	1671.14579 (17012508)	
3604597.5	1277.46572 (17092707)	1325.44650 (16020508)	1438.46397
(16020508)	1664.84598 (15040307)	1908.07748 (15040307)	
3604347.5	1310.83785 (16040507)	1316.15673 (16040507)	1325.23743
(16011421)	1469.31399 (16011421)	1637.89604 (16011421)	
3604097.5	1242.03378 (17011708)	1383.00800 (17011708)	1475.70518
(17011708)	1603.64415 (17011708)	1761.22446 (17011708)	

3603847.5	1238.86998 (17121208)	1355.67864 (17121208)	1537.43481
(17121208)	1653.94683 (17121208)	1876.77527 (17121208)	
3603597.5	1120.12132 (17021608)	1144.06875 (15011703)	1281.59437
(15011703)	1402.49674 (15011703)	1511.00177 (16120907)	
3603347.5	1106.51025 (17122908)	1228.63128 (17122908)	1363.28276
(17122908)	1477.37182 (17121708)	1639.79401 (17121708)	
3603097.5	1105.25983 (17121708)	1143.54794 (17121708)	1212.69666
(17011719)	1382.49806 (15012720)	1464.81197 (16021602)	
3602847.5	1027.68227 (16021602)	1074.84345 (16021602)	1222.10509
(17021301)	1322.93933 (16021621)	1429.95491 (17120906)	
3602597.5	1014.26714 (16021621)	1091.66422 (17120906)	1231.56960
(15092907)	1518.68931 (15092907)	1728.50253 (15092907)	
3602347.5	1283.55194 (15092907)	1456.39279 (15092907)	1519.99386
(15092907)	1417.99872 (15092907)	1390.99484 (17092807)	
3602097.5	1305.87823 (15092907)	1143.29252 (15092907)	1303.09730
(17092807)	1597.89650 (17092807)	1710.56838 (17092807)	
3601847.5	1226.44914 (17092807)	1457.74890 (17092807)	1510.68455
(17092807)	1845.74639 (15092707)	2161.77845 (15092707)	
3601597.5	1379.96524 (17092807)	1618.58459 (15092707)	1903.27434
(15092707)	1909.50206 (15092707)	1536.30141 (15092707)	
3601347.5	1719.97958 (15092707)	1792.96187 (15092707)	1570.16520
(15092707)	1109.50431 (15092707)	814.68331 (15013121)	
3601097.5	1565.27192 (15092707)	1219.43896 (15092707)	782.11883
(15092707)	740.74062 (15022607)	780.24315 (16021922)	

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*** MODELPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): HMA1 , OFFRD

CBP1	CBP2	CBP3	TC5	RAP1	HSI1
TC6	AS2	TC7			
SP2	HMA2	HMA3	CTB2	CTB1	SP1
SP16	SP6	SP7	SP10	SP11	SP15
	SP8	SP9			
	SP17				

*** NETWORK ID: UCART1 ; NETWORK TYPE:

GRIDCART ***

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

**

Y-COORD (METERS)	X-COORD (METERS)
506118.86	505368.86
	505618.86
	505868.86

3606097.5	1997.37564 (17040507)	1841.62293 (17040507)	1976.99196
(17020108)	1869.28933 (16121408)	3245.37860 (16120208)	
3605847.5	1792.13322 (17020308)	2053.34843 (17040507)	2197.55117
(17040507)	2253.73331 (17020108)	2172.79355 (16121408)	
3605597.5	1700.89984 (16011506)	2082.82296 (17020308)	2187.83674
(17010508)	2560.67369 (17040507)	2603.78509 (17020108)	
3605347.5	1764.91369 (15020808)	1986.81484 (16020408)	2293.71649
(16012908)	2710.79712 (17020308)	2851.71930 (15021008)	
3605097.5	1793.35197 (15040607)	2118.31466 (15040607)	2247.45039
(15020808)	2545.54303 (16020408)	3041.35100 (16012908)	

Otay Hills Quarry AERMOD Output File (HRA)

3604847.5	1740.59762 (17012508)	1822.13315 (17012508)	2125.82853
(15040607)	2453.99348 (15013108)	2941.41844 (15121608)	
3604597.5	1779.33169 (16122808)	2050.35629 (16122808)	2119.75942
(16122808)	2486.68317 (17012508)	2762.31336 (17012508)	
3604347.5	1970.84333 (16020508)	2302.28538 (16020508)	2475.62183
(16020508)	2423.47197 (16020508)	2882.16884 (16122808)	
3604097.5	1949.46873 (17011708)	2290.25275 (17011708)	2444.56138
(17011708)	2378.89195 (16120722)	2618.42768 (16011421)	
3603847.5	2140.37080 (17121208)	2327.13214 (17121208)	2447.63953
(17121208)	2774.65570 (17121208)	3088.11793 (17121208)	
3603597.5	1711.75257 (16120907)	1852.43359 (16120907)	2026.47349
(16011622)	2377.52139 (17122908)	3010.25879 (17122908)	
3603347.5	1808.79643 (17121708)	1975.04393 (17121708)	2119.30499
(17121708)	2389.74170 (15012720)	2776.20741 (16021602)	
3603097.5	1573.32108 (16021602)	1816.86421 (17021301)	2023.18920
(16021621)	2372.13669 (17120906)	2762.98211 (17122121)	
3602847.5	1563.43364 (15011506)	1852.54388 (15092907)	2105.00017
(15092907)	2310.84871 (17121221)	2708.95939 (17010708)	
3602597.5	1772.58092 (15092907)	1732.40692 (17121221)	2036.34589
(17092807)	2401.82937 (15092707)	3293.74222 (15092707)	
3602347.5	1820.92686 (17092807)	1988.93861 (17092807)	2642.59835
(15092707)	2815.04581 (15092707)	1992.78159 (15092707)	
3602097.5	2174.29079 (15092707)	2446.78541 (15092707)	2128.22271
(15092707)	1323.08921 (15020106)	1415.44890 (16021922)	
3601847.5	2028.46784 (15092707)	1450.06988 (15092707)	1130.36162
(16011206)	1225.12248 (16021922)	1295.48621 (16121224)	
3601597.5	952.44679 (15092707)	974.52360 (15022607)	1048.20787
(16022207)	1130.39852 (16020706)	1184.39829 (17120903)	
3601347.5	849.47964 (15022607)	920.47704 (16022207)	985.20205
(16020706)	1029.27728 (17121505)	1113.43992 (16011601)	
3601097.5	826.38684 (15120502)	879.19246 (16020706)	924.89570
(17121505)	982.29030 (16011601)	1038.92913 (17022221)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): HMA1 , OFFRD
, CBP1 , CBP2 , CBP3 ,
CBP4 , AS1 , TC5 , RAP1 , HSI1
, TC6 , AS2 , TC7 ,
HMA2 , HMA3 , CTB2 , CTB1 , SP1
, SP2 , SP6 , SP7 ,
SP8 , SP9 , SP10 , SP11 , SP15
, SP16 , SP17 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD		X-COORD (METERS)
(METERS)	506618.86	507118.86
507368.86	507618.86	

3606097.5	3485.17461 (16120208)	2540.19327 (16120708)	4263.87587
(15021508)	5063.63858 (15021508)	4653.04298 (17021508)	

3605847.5	3622.95404 (16120208)	3742.53204 (16120208)	3230.81689
(16010908)	6015.15203 (15021508)	4825.06041 (15121303)	
3605597.5	2556.94969 (16121408)	4032.44306 (16120208)	3747.22002
(16120208)	5305.24427 (16010223)	6468.74148 (15021508)	
3605347.5	3148.75017 (17020108)	3065.09228 (17020108)	4391.17132
(16120208)	4522.54421 (16120708)	4844.19778 (15021508)	
3605097.5	3386.01052 (17020308)	3724.45034 (15120308)	4471.95612
(17020108)	5851.81469 (16120208)	5664.17202 (16120708)	
3604847.5	3401.31460 (16020408)	4458.52339 (17020308)	5075.27337
(15021008)	6653.24241 (17020108)	8857.39818 (16120208)	
3604597.5	3291.89609 (15013108)	4198.42473 (15121608)	5045.26344
(16020408)	7046.05137 (17020308)	9718.71355 (17020108)	
3604347.5	3391.11495 (16122808)	3936.90082 (17012508)	4654.26796
(17012508)	6582.69950 (15121608)	8896.28016 (16012908)	
3604097.5	3167.94417 (16020508)	4138.92896 (16020508)	5243.42013
(16020508)	6013.42049 (16122808)	8127.82159 (16122808)	
3603847.5	3432.33692 (17121208)	4073.49288 (17121208)	4895.01647
(17121208)	6240.56566 (17121208)	8391.58332 (17121208)	
3603597.5	3473.56052 (17122908)	4076.68854 (17121708)	5014.73038
(17121708)	5676.98924 (17121708)	6905.52769 (17021301)	
3603347.5	3243.72010 (17021301)	3734.60794 (16021621)	4486.52267
(17122121)	5751.27488 (17121221)	6855.19348 (17121308)	
3603097.5	3169.15965 (17121720)	3609.98561 (17010708)	4454.18452
(17121308)	4631.26927 (16021107)	4061.06781 (15022607)	
3602847.5	3317.05747 (17121308)	3799.68338 (15092707)	2993.18982
(15092707)	3035.45480 (16021922)	3402.25445 (15010508)	
3602597.5	2960.45400 (15092707)	2161.58634 (16011206)	2444.58609
(16022207)	2586.26825 (15010508)	3019.06818 (17011608)	
3602347.5	1729.85869 (15022607)	1882.15663 (17021905)	2074.78750
(15010508)	2274.08778 (17011608)	2481.91500 (17022222)	
3602097.5	1508.19045 (16121224)	1667.58930 (17120903)	1814.03588
(15011602)	1972.61162 (15122707)	2340.91114 (16011119)	
3601847.5	1382.74363 (17120903)	1535.11542 (15011602)	1645.90543
(17011608)	1794.34996 (17022103)	2043.00719 (16120723)	
3601597.5	1294.88662 (16011601)	1432.66202 (17011608)	1462.63760
(17120918)	1695.26287 (16011119)	2817.01758 (17020408)	
3601347.5	1211.95083 (17011608)	1258.45584 (15122707)	1569.08782
(17040807)	1690.06448 (15041007)	3269.78345 (17020408)	
3601097.5	1104.65597 (17122820)	1310.06270 (17040807)	1339.28514
(16011119)	2050.41498 (17020408)	3232.70114 (17020408)	

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): HMA1 , OFFRD
, CBP1 , CBP2 , CBP3 ,
CBP4 , AS1 , TC5 , RAP1 , HSI1
, TC6 , AS2 , TC7 ,
HMA2 , HMA3 , CTB2 , CTB1 , SP1
, SP2 , SP6 , SP7 ,
SP8 , SP9 , SP10 , SP11 , SP15
, SP16 , SP17 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

Y-COORD		X-COORD (METERS)
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Otay Hills Quarry AERMOD Output File (HRA)

```
(METERS) | 507868.86 508118.86 508368.86
508618.86 508868.86
-----
3606097.5 | 2624.53568 (17070706) 3273.69460 (17022408) 1278.79971
(17022408) 804.28487 (16112208) 2721.43901 (17032607)
3605847.5 | 5200.91314 (17021508) 5667.58710 (16120908) 3128.03377
(17022408) 2467.64807 (15111919) 5780.43092 (17032607)
3605597.5 | 6201.29322 (17021508) 3723.68898 (16121101) 3944.68094
(16120106) 5120.62936 (15010907) 6035.15959 (17032607)
3605347.5 | 4086.70975 (17010208) 4319.91272 (16021807) 4669.20991
(17022408) 2567.09325 (16091507) 7156.63234 (17120924)
3605097.5 | 7040.98560 (15021508) 8357.35545 (16012808) 2795.90224
(17022408) 2256.59939 (17032607) 2067.08027 (17032607)
3604847.5 | 10197.92383 (17022405) 9729.25536 (16020419) 5234.19376
(17022408) 3390.33320 (17032607) 1177.38514 (17032607)
3604597.5 | 12348.13721 (17013108) 11738.56238 (15021508) 4644.94409
(15092607) 5774.09375 (17032607) 2188.17014 (16111708)
3604347.5 | 12305.71121 (17020108) 19354.88236 (16120708) 12717.34934
(17070706) 12433.36334 (17032607) 2963.84958 (17020109)
3604097.5 | 11990.41720 (15013108) 21129.63394 (17020308) 42871.51789
(16120708) 42818.60620 (16122307) 15079.24918 (16012507)
3603847.5 | 12265.68162 (17121208) 18554.42173 (17121208) 40202.34870
(17121208) 65267.60699 (16013022) 12143.62978 (17103122)
3603597.5 | 9973.95498 (16120806) 14206.49673 (17121308) 19709.05499
(15010508) 21149.50734 (17062006) 7855.23298 (16013009)
3603347.5 | 7222.27500 (16021420) 8332.48879 (15010508) 14183.15570
(16022703) 19983.98456 (16010923) 4898.54493 (15010817)
3603097.5 | 5048.16330 (15010508) 6548.70569 (17022103) 8715.56628
(16021123) 12645.60871 (15121602) 10999.00341 (17010406)
3602847.5 | 4066.22656 (17011608) 5253.97776 (17020408) 6048.38041
(16012208) 7218.96897 (15011019) 6868.19953 (17021423)
3602597.5 | 3652.74196 (17022103) 5790.26916 (17020408) 4765.49697
(16022208) 5355.38711 (15011303) 5145.79979 (15011921)
3602347.5 | 3035.13630 (17020408) 4408.42367 (17020408) 3607.84343
(16012208) 4206.43933 (15020120) 4097.96513 (15010918)
3602097.5 | 4030.98101 (17020408) 2792.44721 (17020408) 2850.47330
(16013008) 3392.67876 (17122205) 3347.40950 (16010923)
3601847.5 | 4085.02280 (17020408) 2297.41323 (15011724) 2452.53079
(16013008) 2807.49867 (16120423) 2728.35322 (17121306)
3601597.5 | 3390.63381 (17020408) 1932.25941 (17011601) 2108.77019
(16013008) 2403.48261 (16120423) 2362.98237 (15021622)
3601347.5 | 2518.33434 (17020408) 1743.94137 (16012208) 1848.39627
(16013008) 2083.23783 (16120423) 2192.59521 (16112308)
3601097.5 | 1735.90702 (17111908) 1612.97730 (16012208) 1640.06673
(16013008) 1836.28209 (16120423) 2047.03335 (16112308)

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Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): HMA1 , OFFRD
, CBP1 , CBP2 , CBP3 ,
, CBP4 , AS1 , TC5 , RAP1 , HSI1
, TC6 , AS2 , TC7 ,
, HMA2 , HMA3 , CTB2 , CTB1 , SP1
, SP2 , SP6 , SP7 ,
, SP8 , SP9 , SP10 , SP11 , SP15
, SP16 , SP17 , . . . ,
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*** NETWORK ID: UCART1 ; NETWORK TYPE:
GRIDCART ***

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

**
Y-COORD | X-COORD (METERS)
(METERS) | 509118.86 509368.86 509618.86
509868.86 510118.86
-----
3606097.5 | 1083.91314 (17032607) 842.19324 (16083007) 685.24389
(16111708) 608.17666 (17020109) 430.41867 (17020109)
3605847.5 | 706.07746 (16010705) 4114.67098 (15122821) 1084.66609
(16083007) 565.09534 (17020109) 540.02580 (16092207)
3605597.5 | 4420.57434 (15021924) 3785.98531 (17060105) 2253.10487
(15092321) 1106.59168 (16100201) 772.06062 (17121809)
3605347.5 | 5525.89533 (15033023) 4838.91288 (16120518) 5016.26178
(17022521) 1191.94400 (16092207) 748.59072 (17121809)
3605097.5 | 1734.04094 (16083007) 811.76692 (17020109) 1432.62489
(16092207) 2993.76366 (17090523) 835.74605 (15110508)
3604847.5 | 1056.02961 (16111708) 987.08244 (17121809) 964.98399
(17121809) 702.35783 (17032908) 878.96354 (15082707)
3604597.5 | 1251.74832 (16092207) 1139.52716 (17121809) 737.39192
(17032908) 912.11638 (17032608) 1252.70395 (16040707)
3604347.5 | 1784.92735 (15082707) 1431.08926 (15082707) 2105.90641
(17032608) 2763.97768 (16040707) 2573.62786 (16040707)
3604097.5 | 6437.66498 (16040707) 3684.06466 (16040707) 2218.48036
(16040707) 1107.28615 (17082707) 1043.98127 (17082707)
3603847.5 | 6258.62353 (17103122) 3327.32214 (15062407) 2009.20622
(17030408) 1472.42755 (17030408) 1194.53642 (17030408)
3603597.5 | 4291.50359 (15022408) 1988.96126 (17122709) 1978.27672
(17122709) 1339.69434 (15061907) 1313.67454 (15061907)
3603347.5 | 5175.77050 (16013009) 4179.21602 (16040807) 7115.54932
(16100807) 2258.84086 (15022408) 4446.69483 (17040401)
3603097.5 | 2897.54844 (17060706) 10947.25415 (17040307) 6958.71571
(17022804) 7666.68292 (15121020) 7177.02021 (16121122)
3602847.5 | 10875.52557 (17120621) 6130.14496 (16010601) 5290.57661
(16012022) 5920.43025 (16121203) 4682.71402 (16121121)
3602597.5 | 4937.39539 (17010406) 6320.00493 (17021408) 4814.43139
(16010601) 4440.38862 (16012022) 4381.59380 (16122817)
3602347.5 | 3852.82050 (16121204) 4489.54424 (17120621) 4803.83276
(17021408) 3686.12286 (16010601) 3437.85506 (16012022)
3602097.5 | 3142.55623 (15021419) 2998.24900 (17122806) 3921.41663
(15020908) 3352.36837 (15021604) 5148.52190 (15011201)
3601847.5 | 2732.09453 (16022321) 2621.03405 (16121220) 2894.48674
(17120621) 3431.52029 (17021408) 2828.29847 (15021604)
3601597.5 | 2366.20900 (15011921) 2603.12259 (15022808) 2102.22721
(17122806) 2676.80589 (17120621) 2891.50978 (17021408)
3601347.5 | 2060.23185 (15010918) 2303.11516 (15022808) 1826.70905
(16121220) 1959.21776 (17120621) 2436.02863 (15020908)
3601097.5 | 1827.51361 (15020321) 1784.39005 (16022321) 1924.70437
(15022808) 1612.92381 (17122806) 2051.79956 (17120621)
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): HMA1 , OFFRD
, CBP1 , CBP2 , CBP3 ,
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Otay Hills Quarry AERMOD Output File (HRA)

CBP4 , AS1 , TC5 , RAP1 , HSI1
 , TC6 , AS2 , TC7 ,
 HMA2 , HMA3 , CTB2 , CTB1 , SP1
 , SP2 , SP6 , SP7 ,
 SP8 , SP9 , SP10 , SP11 , SP15
 , SP16 , SP17 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE:
 GRIDCART ***

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

Y-COORD | X-COORD (METERS)
 (METERS) | 510368.86 510618.86 510868.86
 511118.86

3606097.5	527.49518 (17121809)	660.11694 (17121809)	567.28593
(17121809)	444.59238 (17032908)		
3605847.5	714.05625 (17121809)	615.87642 (17121809)	486.14237
(17032908)	449.94473 (17032908)		
3605597.5	674.13889 (17121809)	533.23169 (17032908)	473.61082
(15082707)	352.52373 (15082707)		
3605347.5	588.64763 (17032908)	493.11099 (15082707)	312.38408
(15082707)	441.72820 (17122309)		
3605097.5	488.66834 (15082707)	462.94318 (17122309)	677.90953
(17122309)	795.13198 (17122309)		
3604847.5	908.78656 (16082307)	920.29778 (17122309)	1431.69776
(16040707)	1836.86714 (16040707)		
3604597.5	1985.17899 (16040707)	2277.40488 (16040707)	2050.52019
(16040707)	1506.90249 (16040707)		
3604347.5	1793.19391 (16040707)	992.47600 (16040707)	730.21913
(17082707)	742.96652 (17082707)		
3604097.5	996.12949 (16090707)	963.41760 (16090707)	910.70270
(16090707)	846.80765 (16090707)		
3603847.5	1090.53743 (15062407)	1010.73313 (15062407)	946.27505
(15062407)	890.73093 (15062407)		
3603597.5	1232.15663 (15061907)	959.71770 (15061907)	806.82447
(17042907)	749.57110 (17042907)		
3603347.5	2167.24734 (15091922)	926.61010 (17082908)	567.34571
(17122709)	497.93911 (15061907)		
3603097.5	2179.85124 (15022408)	1266.56340 (15022408)	844.65110
(17122709)	766.57605 (17122709)		
3602847.5	6011.21097 (16040807)	2279.99335 (16040807)	2047.67808
(15022408)	1432.56486 (15022408)		
3602597.5	4051.12952 (15031607)	2316.56942 (16040807)	2604.95548
(16040807)	1992.05617 (16040807)		
3602347.5	3729.12419 (16122817)	4198.45230 (15031607)	2305.12703
(16071324)	4335.18378 (16040807)		
3602097.5	5786.23925 (17040307)	2632.32830 (15013018)	2579.71032
(16121203)	2292.00778 (17022804)		
3601847.5	4111.58318 (15011201)	2330.12602 (16012022)	2051.52319
(15013018)	2048.78336 (16122817)		
3601597.5	2375.55480 (17022803)	2132.83594 (17011224)	2069.62630
(16012022)	1747.27252 (17122124)		
3601347.5	2289.91179 (17021408)	1792.36573 (16010421)	1801.28914
(17011224)	1724.67421 (17011021)		
3601097.5	2186.19116 (17021408)	1817.27821 (15021604)	1595.18576
(16010421)	1646.39809 (17021621)		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): HMA1 , OFFRD
 , CBP1 , CBP2 , CBP3 ,
 , TC6 , AS1 , TC5 , RAP1 , HSI1
 , AS2 , TC7 ,
 , SP2 , HMA2 , HMA3 , CTB2 , CTB1 , SP1
 , SP6 , SP7 ,
 , SP16 , SP8 , SP9 , SP10 , SP11 , SP15
 , SP17 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR
 POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD
508226.78	3603955.63	25515.69925 (17012508)	
507708.67	3603932.32	8930.19685 (17011708)	
	506203.59	3603369.23	2498.61036 (15012720)
507919.87	3604794.52	9429.57324 (16010202)	
	507037.89	3604916.08	4670.85700 (15120308)

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
 AVERAGED OVER 3 YEARS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR,
AS1	1ST HIGHEST VALUE IS 66.68122 AT (508368.86, 3603847.54,	
202.50,	714.70, 0.00) GC UCART1	
	2ND HIGHEST VALUE IS 44.36118 AT (508618.86, 3603847.54,	
215.80,	714.70, 0.00) GC UCART1	
	3RD HIGHEST VALUE IS 28.40157 AT (508226.78, 3603955.63,	
202.73,	714.66, 0.00) DC	
	4TH HIGHEST VALUE IS 21.37385 AT (508368.86, 3603597.54,	
196.20,	714.70, 0.00) GC UCART1	
	5TH HIGHEST VALUE IS 16.41921 AT (508118.86, 3604097.54,	
202.70,	714.70, 0.00) GC UCART1	
	6TH HIGHEST VALUE IS 15.04975 AT (508368.86, 3604097.54,	
207.00,	714.70, 0.00) GC UCART1	
	7TH HIGHEST VALUE IS 12.77778 AT (508618.86, 3603347.54,	
205.10,	714.70, 0.00) GC UCART1	

Otay Hills Quarry AERMOD Output File (HRA)

195.40,	8TH HIGHEST VALUE IS	11.80244 AT (	508118.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
231.90,	9TH HIGHEST VALUE IS	10.55781 AT (	508618.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
211.50,	10TH HIGHEST VALUE IS	9.94044 AT (	508618.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
AS2	1ST HIGHEST VALUE IS	240.04486 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	36.55812 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	20.42576 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	4TH HIGHEST VALUE IS	19.92453 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	5TH HIGHEST VALUE IS	15.41319 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	14.10901 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	12.59898 AT (	508618.86,	3604097.54,
211.50,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	12.29200 AT (	508618.86,	3603597.54,
231.90,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	11.45852 AT (	508618.86,	3603347.54,
205.10,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	9.11718 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
CBP1	1ST HIGHEST VALUE IS	62.74962 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	53.29386 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	36.66128 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	4TH HIGHEST VALUE IS	30.11202 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	5TH HIGHEST VALUE IS	22.73402 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	15.72461 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	11.41827 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	11.32410 AT (	508118.86,	3604347.54,
206.10,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	11.14163 AT (	508618.86,	3604097.54,
211.50,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	9.46564 AT (	507868.86,	3604347.54,
203.30,	714.70, 0.00) GC	UCART1		
CBP2	1ST HIGHEST VALUE IS	77.23282 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	50.42752 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	34.72602 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	4TH HIGHEST VALUE IS	19.73086 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	5TH HIGHEST VALUE IS	19.72980 AT (	508618.86,	3604097.54,
211.50,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	16.91168 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	12.86381 AT (	508118.86,	3604347.54,
206.10,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	12.73401 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	8.96864 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		

10TH HIGHEST VALUE IS 8.49903 AT (507868.86, 3604347.54,
203.30, 714.70, 0.00) GC UCART1

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER 3 YEARS ***

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

**

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

CBP3	1ST HIGHEST VALUE IS	68.66044 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	46.36161 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	39.65106 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	4TH HIGHEST VALUE IS	24.39704 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	5TH HIGHEST VALUE IS	19.74003 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	14.28094 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	13.83494 AT (	508618.86,	3604097.54,
211.50,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	12.15466 AT (	508118.86,	3604347.54,
206.10,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	10.17926 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	9.06844 AT (	507868.86,	3604347.54,
203.30,	714.70, 0.00) GC	UCART1		

CBP4	1ST HIGHEST VALUE IS	174.22285 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	40.32432 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	30.38277 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	4TH HIGHEST VALUE IS	29.08821 AT (	508618.86,	3604097.54,
211.50,	714.70, 0.00) GC	UCART1		
	5TH HIGHEST VALUE IS	23.53464 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	6TH HIGHEST VALUE IS	19.78980 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	16.35666 AT (	508118.86,	3604347.54,
206.10,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	11.74378 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	10.09501 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	9.76451 AT (	507868.86,	3604347.54,
203.30,	714.70, 0.00) GC	UCART1		

Otay Hills Quarry AERMOD Output File (HRA)

CR1 1ST HIGHEST VALUE IS 123.09113 AT (508618.86, 3603597.54,
231.90, 714.70, 0.00) GC UCART1
2ND HIGHEST VALUE IS 37.05492 AT (508368.86, 3603847.54,
202.50, 714.70, 0.00) GC UCART1
3RD HIGHEST VALUE IS 26.04476 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
4TH HIGHEST VALUE IS 19.65873 AT (508368.86, 3603597.54,
196.20, 714.70, 0.00) GC UCART1
5TH HIGHEST VALUE IS 16.11232 AT (508226.78, 3603955.63,
202.73, 714.66, 0.00) DC
6TH HIGHEST VALUE IS 15.76048 AT (508618.86, 3603347.54,
205.10, 714.70, 0.00) GC UCART1
7TH HIGHEST VALUE IS 10.37387 AT (508118.86, 3603847.54,
195.40, 714.70, 0.00) GC UCART1
8TH HIGHEST VALUE IS 9.99334 AT (508868.86, 3603847.54,
231.20, 714.70, 0.00) GC UCART1
9TH HIGHEST VALUE IS 9.64637 AT (508368.86, 3603347.54,
196.90, 714.70, 0.00) GC UCART1
10TH HIGHEST VALUE IS 8.91685 AT (508118.86, 3604097.54,
202.70, 714.70, 0.00) GC UCART1

CR2 1ST HIGHEST VALUE IS 109.92930 AT (508618.86, 3603597.54,
231.90, 714.70, 0.00) GC UCART1
2ND HIGHEST VALUE IS 38.06368 AT (508368.86, 3603847.54,
202.50, 714.70, 0.00) GC UCART1
3RD HIGHEST VALUE IS 28.59764 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
4TH HIGHEST VALUE IS 19.07032 AT (508368.86, 3603597.54,
196.20, 714.70, 0.00) GC UCART1
5TH HIGHEST VALUE IS 16.47525 AT (508226.78, 3603955.63,
202.73, 714.66, 0.00) DC
6TH HIGHEST VALUE IS 15.23904 AT (508618.86, 3603347.54,
205.10, 714.70, 0.00) GC UCART1
7TH HIGHEST VALUE IS 10.33741 AT (508868.86, 3603847.54,
231.20, 714.70, 0.00) GC UCART1
8TH HIGHEST VALUE IS 10.26541 AT (508118.86, 3603847.54,
195.40, 714.70, 0.00) GC UCART1
9TH HIGHEST VALUE IS 9.44443 AT (508368.86, 3603347.54,
196.90, 714.70, 0.00) GC UCART1
10TH HIGHEST VALUE IS 9.18166 AT (508118.86, 3604097.54,
202.70, 714.70, 0.00) GC UCART1

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Hills\Otay Hills.isc *** 05/16/19
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 3 YEARS ***

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

**

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

CR3 1ST HIGHEST VALUE IS 56.07557 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1

2ND HIGHEST VALUE IS 47.87300 AT (508368.86, 3603847.54,
202.50, 714.70, 0.00) GC UCART1
3RD HIGHEST VALUE IS 32.28192 AT (508618.86, 3603597.54,
231.90, 714.70, 0.00) GC UCART1
4TH HIGHEST VALUE IS 20.31072 AT (508226.78, 3603955.63,
202.73, 714.66, 0.00) DC
5TH HIGHEST VALUE IS 18.46991 AT (508368.86, 3603597.54,
196.20, 714.70, 0.00) GC UCART1
6TH HIGHEST VALUE IS 13.42122 AT (508618.86, 3603347.54,
205.10, 714.70, 0.00) GC UCART1
7TH HIGHEST VALUE IS 11.70233 AT (508118.86, 3604097.54,
202.70, 714.70, 0.00) GC UCART1
8TH HIGHEST VALUE IS 10.57094 AT (508118.86, 3603847.54,
195.40, 714.70, 0.00) GC UCART1
9TH HIGHEST VALUE IS 10.28843 AT (508368.86, 3604097.54,
207.00, 714.70, 0.00) GC UCART1
10TH HIGHEST VALUE IS 9.11963 AT (508368.86, 3603347.54,
196.90, 714.70, 0.00) GC UCART1

CR4 1ST HIGHEST VALUE IS 254.22522 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
2ND HIGHEST VALUE IS 33.11907 AT (508368.86, 3603847.54,
202.50, 714.70, 0.00) GC UCART1
3RD HIGHEST VALUE IS 25.70448 AT (508368.86, 3604097.54,
207.00, 714.70, 0.00) GC UCART1
4TH HIGHEST VALUE IS 19.98283 AT (508226.78, 3603955.63,
202.73, 714.66, 0.00) DC
5TH HIGHEST VALUE IS 15.22771 AT (508618.86, 3604097.54,
211.50, 714.70, 0.00) GC UCART1
6TH HIGHEST VALUE IS 14.57582 AT (508368.86, 3603597.54,
196.20, 714.70, 0.00) GC UCART1
7TH HIGHEST VALUE IS 14.52550 AT (508118.86, 3604097.54,
202.70, 714.70, 0.00) GC UCART1
8TH HIGHEST VALUE IS 10.70973 AT (508618.86, 3603597.54,
231.90, 714.70, 0.00) GC UCART1
9TH HIGHEST VALUE IS 10.42249 AT (508618.86, 3603347.54,
205.10, 714.70, 0.00) GC UCART1
10TH HIGHEST VALUE IS 10.10956 AT (508868.86, 3603847.54,
231.20, 714.70, 0.00) GC UCART1

CR5 1ST HIGHEST VALUE IS 197.42609 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
2ND HIGHEST VALUE IS 37.82732 AT (508368.86, 3603847.54,
202.50, 714.70, 0.00) GC UCART1
3RD HIGHEST VALUE IS 21.15984 AT (508226.78, 3603955.63,
202.73, 714.66, 0.00) DC
4TH HIGHEST VALUE IS 20.69754 AT (508368.86, 3604097.54,
207.00, 714.70, 0.00) GC UCART1
5TH HIGHEST VALUE IS 15.76230 AT (508368.86, 3603597.54,
196.20, 714.70, 0.00) GC UCART1
6TH HIGHEST VALUE IS 14.56997 AT (508118.86, 3604097.54,
202.70, 714.70, 0.00) GC UCART1
7TH HIGHEST VALUE IS 12.79334 AT (508618.86, 3604097.54,
211.50, 714.70, 0.00) GC UCART1
8TH HIGHEST VALUE IS 11.37226 AT (508618.86, 3603347.54,
205.10, 714.70, 0.00) GC UCART1
9TH HIGHEST VALUE IS 11.26876 AT (508618.86, 3603597.54,
231.90, 714.70, 0.00) GC UCART1
10TH HIGHEST VALUE IS 9.26478 AT (508118.86, 3603847.54,
195.40, 714.70, 0.00) GC UCART1

CTB1 1ST HIGHEST VALUE IS 58.64369 AT (508368.86, 3603847.54,
202.50, 714.70, 0.00) GC UCART1
2ND HIGHEST VALUE IS 49.47442 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
3RD HIGHEST VALUE IS 25.27468 AT (508226.78, 3603955.63,
202.73, 714.66, 0.00) DC

Otay Hills Quarry AERMOD Output File (HRA)

196.20, 4TH HIGHEST VALUE IS 20.13887 AT (508368.86, 3603597.54,
714.70, 0.00) GC UCART1
202.70, 5TH HIGHEST VALUE IS 14.79644 AT (508118.86, 3604097.54,
714.70, 0.00) GC UCART1
231.90, 6TH HIGHEST VALUE IS 13.97522 AT (508618.86, 3603597.54,
714.70, 0.00) GC UCART1
207.00, 7TH HIGHEST VALUE IS 13.61667 AT (508368.86, 3604097.54,
714.70, 0.00) GC UCART1
205.10, 8TH HIGHEST VALUE IS 13.10941 AT (508618.86, 3603347.54,
714.70, 0.00) GC UCART1
195.40, 9TH HIGHEST VALUE IS 11.25480 AT (508118.86, 3603847.54,
714.70, 0.00) GC UCART1
211.50, 10TH HIGHEST VALUE IS 9.63768 AT (508618.86, 3604097.54,
714.70, 0.00) GC UCART1

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER 3 YEARS ***

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

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

CTB2 1ST HIGHEST VALUE IS 86.75696 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
202.50, 2ND HIGHEST VALUE IS 51.30727 AT (508368.86, 3603847.54,
714.70, 0.00) GC UCART1
202.73, 3RD HIGHEST VALUE IS 23.59590 AT (508226.78, 3603955.63,
714.66, 0.00) DC
196.20, 4TH HIGHEST VALUE IS 18.57931 AT (508368.86, 3603597.54,
714.70, 0.00) GC UCART1
207.00, 5TH HIGHEST VALUE IS 14.64713 AT (508368.86, 3604097.54,
714.70, 0.00) GC UCART1
231.90, 6TH HIGHEST VALUE IS 14.59871 AT (508618.86, 3603597.54,
714.70, 0.00) GC UCART1
202.70, 7TH HIGHEST VALUE IS 14.51529 AT (508118.86, 3604097.54,
714.70, 0.00) GC UCART1
205.10, 8TH HIGHEST VALUE IS 12.75230 AT (508618.86, 3603347.54,
714.70, 0.00) GC UCART1
195.40, 9TH HIGHEST VALUE IS 10.58042 AT (508118.86, 3603847.54,
714.70, 0.00) GC UCART1
211.50, 10TH HIGHEST VALUE IS 10.18046 AT (508618.86, 3604097.54,
714.70, 0.00) GC UCART1

DST1 1ST HIGHEST VALUE IS 411.72697 AT (508368.86, 3604097.54,
207.00, 714.70, 0.00) GC UCART1
202.50, 2ND HIGHEST VALUE IS 47.15936 AT (508368.86, 3603847.54,
714.70, 0.00) GC UCART1
215.80, 3RD HIGHEST VALUE IS 28.80812 AT (508618.86, 3603847.54,
714.70, 0.00) GC UCART1
202.73, 4TH HIGHEST VALUE IS 26.00389 AT (508226.78, 3603955.63,
714.66, 0.00) DC

211.50, 5TH HIGHEST VALUE IS 23.53442 AT (508618.86, 3604097.54,
714.70, 0.00) GC UCART1
202.70, 6TH HIGHEST VALUE IS 23.00458 AT (508118.86, 3604097.54,
714.70, 0.00) GC UCART1
206.10, 7TH HIGHEST VALUE IS 20.49810 AT (508118.86, 3604347.54,
714.70, 0.00) GC UCART1
196.20, 8TH HIGHEST VALUE IS 13.72168 AT (508368.86, 3603597.54,
714.70, 0.00) GC UCART1
203.30, 9TH HIGHEST VALUE IS 12.15582 AT (507868.86, 3604347.54,
714.70, 0.00) GC UCART1
195.40, 10TH HIGHEST VALUE IS 10.08013 AT (508118.86, 3603847.54,
714.70, 0.00) GC UCART1

HAUL 1ST HIGHEST VALUE IS 61.68889 AT (507118.86, 3603347.54,
191.10, 678.30, 0.00) GC UCART1
197.70, 2ND HIGHEST VALUE IS 56.01777 AT (507368.86, 3603347.54,
678.80, 0.00) GC UCART1
190.20, 3RD HIGHEST VALUE IS 54.92523 AT (507618.86, 3604097.54,
714.70, 0.00) GC UCART1
184.30, 4TH HIGHEST VALUE IS 54.47276 AT (506868.86, 3603347.54,
184.30, 0.00) GC UCART1
191.30, 5TH HIGHEST VALUE IS 50.23723 AT (507618.86, 3603847.54,
714.70, 0.00) GC UCART1
190.10, 6TH HIGHEST VALUE IS 47.52925 AT (507618.86, 3603597.54,
714.70, 0.00) GC UCART1
187.20, 7TH HIGHEST VALUE IS 43.30148 AT (507618.86, 3603347.54,
714.70, 0.00) GC UCART1
202.30, 8TH HIGHEST VALUE IS 31.28307 AT (507868.86, 3604097.54,
714.70, 0.00) GC UCART1
202.70, 9TH HIGHEST VALUE IS 29.61184 AT (508118.86, 3604097.54,
714.70, 0.00) GC UCART1
207.00, 10TH HIGHEST VALUE IS 21.25711 AT (508368.86, 3604097.54,
714.70, 0.00) GC UCART1

HMA1 1ST HIGHEST VALUE IS 3.12481 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
267.40, 2ND HIGHEST VALUE IS 1.69174 AT (508868.86, 3603597.54,
714.70, 0.00) GC UCART1
231.20, 3RD HIGHEST VALUE IS 1.47552 AT (508868.86, 3603847.54,
714.70, 0.00) GC UCART1
279.60, 4TH HIGHEST VALUE IS 0.82555 AT (509368.86, 3603597.54,
714.70, 0.00) GC UCART1
239.30, 5TH HIGHEST VALUE IS 0.76838 AT (509118.86, 3603847.54,
714.70, 0.00) GC UCART1
248.80, 6TH HIGHEST VALUE IS 0.71915 AT (508868.86, 3603347.54,
714.70, 0.00) GC UCART1
275.00, 7TH HIGHEST VALUE IS 0.70256 AT (509618.86, 3603597.54,
714.70, 0.00) GC UCART1
264.20, 8TH HIGHEST VALUE IS 0.69829 AT (509368.86, 3603347.54,
714.70, 0.00) GC UCART1
251.10, 9TH HIGHEST VALUE IS 0.64894 AT (509368.86, 3603847.54,
714.70, 0.00) GC UCART1
254.90, 10TH HIGHEST VALUE IS 0.59879 AT (509118.86, 3603097.54,
714.70, 0.00) GC UCART1

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER 3 YEARS ***

Otay Hills Quarry AERMOD Output File (HRA)

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

NETWORK
GROUP ID          AVERAGE CONC          RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
-----
HMA2      1ST HIGHEST VALUE IS      70.45663 AT ( 508618.86, 3603847.54,
215.80,    714.70,      0.00) GC  UCART1
          2ND HIGHEST VALUE IS      56.55793 AT ( 508368.86, 3603847.54,
202.50,    714.70,      0.00) GC  UCART1
          3RD HIGHEST VALUE IS      31.66067 AT ( 508368.86, 3604097.54,
207.00,    714.70,      0.00) GC  UCART1
          4TH HIGHEST VALUE IS      28.26041 AT ( 508226.78, 3603955.63,
202.73,    714.66,      0.00) DC
          5TH HIGHEST VALUE IS      19.77692 AT ( 508118.86, 3604097.54,
202.70,    714.70,      0.00) GC  UCART1
          6TH HIGHEST VALUE IS      16.49388 AT ( 508368.86, 3603597.54,
196.20,    714.70,      0.00) GC  UCART1
          7TH HIGHEST VALUE IS      15.76557 AT ( 508618.86, 3604097.54,
211.50,    714.70,      0.00) GC  UCART1
          8TH HIGHEST VALUE IS      10.59318 AT ( 508118.86, 3603847.54,
195.40,    714.70,      0.00) GC  UCART1
          9TH HIGHEST VALUE IS       9.17928 AT ( 508118.86, 3604347.54,
206.10,    714.70,      0.00) GC  UCART1
          10TH HIGHEST VALUE IS      9.01542 AT ( 508618.86, 3603347.54,
205.10,    714.70,      0.00) GC  UCART1

HMA3      1ST HIGHEST VALUE IS      81.25277 AT ( 508368.86, 3603847.54,
202.50,    714.70,      0.00) GC  UCART1
          2ND HIGHEST VALUE IS      65.45415 AT ( 508618.86, 3603847.54,
215.80,    714.70,      0.00) GC  UCART1
          3RD HIGHEST VALUE IS      34.85461 AT ( 508226.78, 3603955.63,
202.73,    714.66,      0.00) DC
          4TH HIGHEST VALUE IS      22.82836 AT ( 508368.86, 3604097.54,
207.00,    714.70,      0.00) GC  UCART1
          5TH HIGHEST VALUE IS      21.39105 AT ( 508118.86, 3604097.54,
202.70,    714.70,      0.00) GC  UCART1
          6TH HIGHEST VALUE IS      18.83337 AT ( 508368.86, 3603597.54,
196.20,    714.70,      0.00) GC  UCART1
          7TH HIGHEST VALUE IS      12.95764 AT ( 508618.86, 3604097.54,
211.50,    714.70,      0.00) GC  UCART1
          8TH HIGHEST VALUE IS      12.05868 AT ( 508118.86, 3603847.54,
195.40,    714.70,      0.00) GC  UCART1
          9TH HIGHEST VALUE IS       9.26784 AT ( 508618.86, 3603347.54,
205.10,    714.70,      0.00) GC  UCART1
          10TH HIGHEST VALUE IS      8.65830 AT ( 507868.86, 3604097.54,
202.30,    714.70,      0.00) GC  UCART1

HMA4      1ST HIGHEST VALUE IS       3.13829 AT ( 508618.86, 3603847.54,
215.80,    714.70,      0.00) GC  UCART1
          2ND HIGHEST VALUE IS       1.60248 AT ( 508868.86, 3603597.54,
267.40,    714.70,      0.00) GC  UCART1
          3RD HIGHEST VALUE IS       1.43230 AT ( 508868.86, 3603847.54,
231.20,    714.70,      0.00) GC  UCART1
          4TH HIGHEST VALUE IS       0.77904 AT ( 509118.86, 3603847.54,
239.30,    714.70,      0.00) GC  UCART1
          5TH HIGHEST VALUE IS       0.77433 AT ( 509368.86, 3603597.54,
279.60,    714.70,      0.00) GC  UCART1
          6TH HIGHEST VALUE IS       0.74866 AT ( 508868.86, 3603347.54,
248.80,    714.70,      0.00) GC  UCART1
          7TH HIGHEST VALUE IS       0.68666 AT ( 509368.86, 3603347.54,
264.20,    714.70,      0.00) GC  UCART1

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275.00,    714.70,      0.00) GC  UCART1
          9TH HIGHEST VALUE IS       0.66637 AT ( 509368.86, 3603847.54,
251.10,    714.70,      0.00) GC  UCART1
          10TH HIGHEST VALUE IS      0.61049 AT ( 509118.86, 3603097.54,
254.90,    714.70,      0.00) GC  UCART1

HSI1      1ST HIGHEST VALUE IS      273.86700 AT ( 508618.86, 3603847.54,
215.80,    714.70,      0.00) GC  UCART1
          2ND HIGHEST VALUE IS      33.30050 AT ( 508368.86, 3603847.54,
202.50,    714.70,      0.00) GC  UCART1
          3RD HIGHEST VALUE IS      19.14289 AT ( 508368.86, 3604097.54,
207.00,    714.70,      0.00) GC  UCART1
          4TH HIGHEST VALUE IS      18.87238 AT ( 508226.78, 3603955.63,
202.73,    714.66,      0.00) DC
          5TH HIGHEST VALUE IS      14.62686 AT ( 508618.86, 3603597.54,
231.90,    714.70,      0.00) GC  UCART1
          6TH HIGHEST VALUE IS      14.49343 AT ( 508368.86, 3603597.54,
196.20,    714.70,      0.00) GC  UCART1
          7TH HIGHEST VALUE IS      13.24038 AT ( 508118.86, 3604097.54,
202.70,    714.70,      0.00) GC  UCART1
          8TH HIGHEST VALUE IS      12.34069 AT ( 508618.86, 3604097.54,
211.50,    714.70,      0.00) GC  UCART1
          9TH HIGHEST VALUE IS      11.42841 AT ( 508618.86, 3603347.54,
205.10,    714.70,      0.00) GC  UCART1
          10TH HIGHEST VALUE IS       9.19156 AT ( 508868.86, 3603847.54,
231.20,    714.70,      0.00) GC  UCART1

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Hills\Otay Hills.isc *** *** 05/16/19
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*** MODELOPTs:      RegDFAULT  CONC  ELEV  RURAL  ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER  3 YEARS ***

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

NETWORK
GROUP ID          AVERAGE CONC          RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
-----
OFFRD      1ST HIGHEST VALUE IS      68.81174 AT ( 508618.86, 3603097.54,
204.40,    714.70,      0.00) GC  UCART1
          2ND HIGHEST VALUE IS      59.38620 AT ( 508618.86, 3603347.54,
205.10,    714.70,      0.00) GC  UCART1
          3RD HIGHEST VALUE IS      37.73554 AT ( 508868.86, 3603097.54,
205.00,    714.70,      0.00) GC  UCART1
          4TH HIGHEST VALUE IS      20.69896 AT ( 508368.86, 3603347.54,
196.90,    714.70,      0.00) GC  UCART1
          5TH HIGHEST VALUE IS      18.85852 AT ( 508618.86, 3602847.54,
172.40,    714.70,      0.00) GC  UCART1
          6TH HIGHEST VALUE IS      16.95752 AT ( 508368.86, 3603097.54,
187.40,    714.70,      0.00) GC  UCART1
          7TH HIGHEST VALUE IS      16.02906 AT ( 508868.86, 3602847.54,
181.00,    714.70,      0.00) GC  UCART1
          8TH HIGHEST VALUE IS      12.77163 AT ( 508368.86, 3603597.54,
196.20,    714.70,      0.00) GC  UCART1

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Otay Hills Quarry AERMOD Output File (HRA)

174.90,	9TH HIGHEST VALUE IS	8.62919 AT (	508368.86,	3602847.54,
	714.70, 0.00) GC	UCART1		
216.00,	10TH HIGHEST VALUE IS	8.51620 AT (	509118.86,	3602847.54,
	714.70, 0.00) GC	UCART1		
PLO	1ST HIGHEST VALUE IS	85.82715 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	30.81775 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	3RD HIGHEST VALUE IS	25.34888 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	4TH HIGHEST VALUE IS	22.41077 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	5TH HIGHEST VALUE IS	15.83141 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	13.70809 AT (	508618.86,	3603347.54,
205.10,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	13.48787 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	12.10486 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	10.62426 AT (	508368.86,	3603347.54,
196.90,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	10.06178 AT (	508618.86,	3603597.54,
231.90,	714.70, 0.00) GC	UCART1		
RAP1	1ST HIGHEST VALUE IS	65.59321 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	45.75412 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	28.61407 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	4TH HIGHEST VALUE IS	21.17504 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	5TH HIGHEST VALUE IS	16.65001 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	15.81636 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	12.47976 AT (	508618.86,	3603347.54,
205.10,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	11.78755 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	10.13883 AT (	508618.86,	3604097.54,
211.50,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	9.48536 AT (	508368.86,	3603347.54,
196.90,	714.70, 0.00) GC	UCART1		
RMP	1ST HIGHEST VALUE IS	28.36856 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	23.53610 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	21.80592 AT (	508618.86,	3603597.54,
231.90,	714.70, 0.00) GC	UCART1		
	4TH HIGHEST VALUE IS	20.13361 AT (	508618.86,	3603347.54,
205.10,	714.70, 0.00) GC	UCART1		
	5TH HIGHEST VALUE IS	15.93996 AT (	508368.86,	3603347.54,
196.90,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	15.79574 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	15.41937 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	8TH HIGHEST VALUE IS	9.82942 AT (	508618.86,	3603097.54,
204.40,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	8.64457 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	8.30986 AT (	507868.86,	3604097.54,
202.30,	714.70, 0.00) GC	UCART1		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
 AVERAGED OVER 3 YEARS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID		
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ROAD	1ST HIGHEST VALUE IS	95.39654 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	55.77340 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	35.01065 AT (	508618.86,	3604097.54,
211.50,	714.70, 0.00) GC	UCART1		
	4TH HIGHEST VALUE IS	31.54713 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	5TH HIGHEST VALUE IS	29.00175 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	21.75953 AT (	508618.86,	3603597.54,
231.90,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	19.30549 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	18.46340 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	12.41533 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	10.29442 AT (	508118.86,	3604347.54,
206.10,	714.70, 0.00) GC	UCART1		
SC1	1ST HIGHEST VALUE IS	115.30785 AT (	508618.86,	3603597.54,
231.90,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	37.69610 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	27.40354 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	4TH HIGHEST VALUE IS	19.35957 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	5TH HIGHEST VALUE IS	16.33097 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	6TH HIGHEST VALUE IS	15.46932 AT (	508618.86,	3603347.54,
205.10,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	10.32445 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	10.17081 AT (	508868.86,	3603847.54,
231.20,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	9.54108 AT (	508368.86,	3603347.54,
196.90,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	9.06695 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
SC2	1ST HIGHEST VALUE IS	258.80688 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		

Otay Hills Quarry AERMOD Output File (HRA)

202.50,	2ND HIGHEST VALUE IS	33.17835 AT (	508368.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
207.00,	3RD HIGHEST VALUE IS	18.71723 AT (	508368.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	18.70312 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			
231.90,	5TH HIGHEST VALUE IS	15.29451 AT (	508618.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
196.20,	6TH HIGHEST VALUE IS	14.42824 AT (	508368.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
202.70,	7TH HIGHEST VALUE IS	13.09898 AT (	508118.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
211.50,	8TH HIGHEST VALUE IS	12.13014 AT (	508618.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
205.10,	9TH HIGHEST VALUE IS	11.47278 AT (	508618.86,	3603347.54,
	714.70, 0.00) GC	UCART1		
231.20,	10TH HIGHEST VALUE IS	9.23891 AT (	508868.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
SC3	1ST HIGHEST VALUE IS	306.76296 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	33.12254 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
207.00,	3RD HIGHEST VALUE IS	25.18933 AT (	508368.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	19.94854 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			
211.50,	5TH HIGHEST VALUE IS	15.00294 AT (	508618.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
196.20,	6TH HIGHEST VALUE IS	14.59876 AT (	508368.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
202.70,	7TH HIGHEST VALUE IS	14.45771 AT (	508118.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
231.90,	8TH HIGHEST VALUE IS	10.80600 AT (	508618.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
205.10,	9TH HIGHEST VALUE IS	10.50931 AT (	508618.86,	3603347.54,
	714.70, 0.00) GC	UCART1		
231.20,	10TH HIGHEST VALUE IS	10.00706 AT (	508868.86,	3603847.54,
	714.70, 0.00) GC	UCART1		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 3 YEARS ***

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

**

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

SC4	1ST HIGHEST VALUE IS	210.61771 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	37.75748 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		

207.00,	3RD HIGHEST VALUE IS	21.69179 AT (	508368.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	21.38698 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			
196.20,	5TH HIGHEST VALUE IS	15.76872 AT (	508368.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
202.70,	6TH HIGHEST VALUE IS	14.81005 AT (	508118.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
211.50,	7TH HIGHEST VALUE IS	13.14731 AT (	508618.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
205.10,	8TH HIGHEST VALUE IS	11.21550 AT (	508618.86,	3603347.54,
	714.70, 0.00) GC	UCART1		
231.90,	9TH HIGHEST VALUE IS	10.67625 AT (	508618.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
195.40,	10TH HIGHEST VALUE IS	9.25616 AT (	508118.86,	3603847.54,
	714.70, 0.00) GC	UCART1		

SC5	1ST HIGHEST VALUE IS	232.02127 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	30.30270 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	30.18859 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	18.70767 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			
211.50,	5TH HIGHEST VALUE IS	17.65974 AT (	508618.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.70,	6TH HIGHEST VALUE IS	14.19659 AT (	508118.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
196.20,	7TH HIGHEST VALUE IS	13.60288 AT (	508368.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
231.20,	8TH HIGHEST VALUE IS	11.48975 AT (	508868.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
231.90,	9TH HIGHEST VALUE IS	10.40056 AT (	508618.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
205.10,	10TH HIGHEST VALUE IS	9.79697 AT (	508618.86,	3603347.54,
	714.70, 0.00) GC	UCART1		

SC6	1ST HIGHEST VALUE IS	238.22508 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	30.84144 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	28.99259 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
211.50,	4TH HIGHEST VALUE IS	18.15883 AT (	508618.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.73,	5TH HIGHEST VALUE IS	18.14825 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			
202.70,	6TH HIGHEST VALUE IS	13.91202 AT (	508118.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
196.20,	7TH HIGHEST VALUE IS	13.27998 AT (	508368.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
231.20,	8TH HIGHEST VALUE IS	11.92601 AT (	508868.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
231.90,	9TH HIGHEST VALUE IS	10.51836 AT (	508618.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
205.10,	10TH HIGHEST VALUE IS	9.71883 AT (	508618.86,	3603347.54,
	714.70, 0.00) GC	UCART1		

SC7	1ST HIGHEST VALUE IS	164.18792 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	30.32481 AT (	508618.86,	3603597.54,
231.90,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	29.03394 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	15.99032 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			

Otay Hills Quarry AERMOD Output File (HRA)

207.00, 5TH HIGHEST VALUE IS 15.00490 AT (508368.86, 3604097.54,
714.70, 0.00) GC UCART1
196.20, 6TH HIGHEST VALUE IS 12.92924 AT (508368.86, 3603597.54,
714.70, 0.00) GC UCART1
205.10, 7TH HIGHEST VALUE IS 11.58553 AT (508618.86, 3603347.54,
714.70, 0.00) GC UCART1
231.20, 8TH HIGHEST VALUE IS 11.56788 AT (508868.86, 3603847.54,
714.70, 0.00) GC UCART1
202.70, 9TH HIGHEST VALUE IS 11.18436 AT (508118.86, 3604097.54,
714.70, 0.00) GC UCART1
211.50, 10TH HIGHEST VALUE IS 9.87271 AT (508618.86, 3604097.54,
714.70, 0.00) GC UCART1

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 3 YEARS ***

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

**

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

SP1 1ST HIGHEST VALUE IS 49.52912 AT (508618.86, 3603597.54,
231.90, 714.70, 0.00) GC UCART1
2ND HIGHEST VALUE IS 26.75695 AT (508368.86, 3603847.54,
202.50, 714.70, 0.00) GC UCART1
3RD HIGHEST VALUE IS 15.49937 AT (508226.78, 3603955.63,
202.73, 714.66, 0.00) DC
4TH HIGHEST VALUE IS 13.99538 AT (508618.86, 3603347.54,
205.10, 714.70, 0.00) GC UCART1
5TH HIGHEST VALUE IS 12.83917 AT (508368.86, 3603597.54,
196.20, 714.70, 0.00) GC UCART1
6TH HIGHEST VALUE IS 12.23049 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
7TH HIGHEST VALUE IS 10.06190 AT (508118.86, 3604097.54,
202.70, 714.70, 0.00) GC UCART1
8TH HIGHEST VALUE IS 9.00569 AT (508118.86, 3603847.54,
195.40, 714.70, 0.00) GC UCART1
9TH HIGHEST VALUE IS 8.91058 AT (508368.86, 3603347.54,
196.90, 714.70, 0.00) GC UCART1
10TH HIGHEST VALUE IS 8.04128 AT (508368.86, 3604097.54,
207.00, 714.70, 0.00) GC UCART1

SP10 1ST HIGHEST VALUE IS 82.34937 AT (508368.86, 3603847.54,
202.50, 714.70, 0.00) GC UCART1
2ND HIGHEST VALUE IS 36.24979 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
3RD HIGHEST VALUE IS 34.60672 AT (508226.78, 3603955.63,
202.73, 714.66, 0.00) DC
4TH HIGHEST VALUE IS 25.81047 AT (508368.86, 3603597.54,
196.20, 714.70, 0.00) GC UCART1
5TH HIGHEST VALUE IS 19.54554 AT (508118.86, 3604097.54,
202.70, 714.70, 0.00) GC UCART1

205.10, 6TH HIGHEST VALUE IS 15.53518 AT (508618.86, 3603347.54,
714.70, 0.00) GC UCART1
195.40, 7TH HIGHEST VALUE IS 13.40006 AT (508118.86, 3603847.54,
714.70, 0.00) GC UCART1
207.00, 8TH HIGHEST VALUE IS 13.18424 AT (508368.86, 3604097.54,
714.70, 0.00) GC UCART1
196.90, 9TH HIGHEST VALUE IS 12.18292 AT (508368.86, 3603347.54,
714.70, 0.00) GC UCART1
231.90, 10TH HIGHEST VALUE IS 10.33593 AT (508618.86, 3603597.54,
714.70, 0.00) GC UCART1

SP11 1ST HIGHEST VALUE IS 154.80516 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
2ND HIGHEST VALUE IS 43.39615 AT (508368.86, 3603847.54,
202.50, 714.70, 0.00) GC UCART1
3RD HIGHEST VALUE IS 29.27578 AT (508368.86, 3604097.54,
207.00, 714.70, 0.00) GC UCART1
4TH HIGHEST VALUE IS 27.32552 AT (508226.78, 3603955.63,
202.73, 714.66, 0.00) DC
5TH HIGHEST VALUE IS 19.79983 AT (508118.86, 3604097.54,
202.70, 714.70, 0.00) GC UCART1
6TH HIGHEST VALUE IS 19.44848 AT (508368.86, 3603597.54,
196.20, 714.70, 0.00) GC UCART1
7TH HIGHEST VALUE IS 12.19408 AT (508618.86, 3603347.54,
205.10, 714.70, 0.00) GC UCART1
8TH HIGHEST VALUE IS 10.25940 AT (508618.86, 3603597.54,
231.90, 714.70, 0.00) GC UCART1
9TH HIGHEST VALUE IS 9.81189 AT (508118.86, 3603847.54,
195.40, 714.70, 0.00) GC UCART1
10TH HIGHEST VALUE IS 9.77593 AT (508868.86, 3603847.54,
231.20, 714.70, 0.00) GC UCART1

SP15 1ST HIGHEST VALUE IS 56.18103 AT (508368.86, 3603847.54,
202.50, 714.70, 0.00) GC UCART1
2ND HIGHEST VALUE IS 46.09139 AT (508368.86, 3603597.54,
196.20, 714.70, 0.00) GC UCART1
3RD HIGHEST VALUE IS 25.61017 AT (508226.78, 3603955.63,
202.73, 714.66, 0.00) DC
4TH HIGHEST VALUE IS 21.62502 AT (508618.86, 3603347.54,
205.10, 714.70, 0.00) GC UCART1
5TH HIGHEST VALUE IS 20.93009 AT (508618.86, 3603597.54,
231.90, 714.70, 0.00) GC UCART1
6TH HIGHEST VALUE IS 20.62490 AT (508118.86, 3603847.54,
195.40, 714.70, 0.00) GC UCART1
7TH HIGHEST VALUE IS 18.74482 AT (508368.86, 3603347.54,
196.90, 714.70, 0.00) GC UCART1
8TH HIGHEST VALUE IS 11.86478 AT (508118.86, 3604097.54,
202.70, 714.70, 0.00) GC UCART1
9TH HIGHEST VALUE IS 10.57071 AT (507868.86, 3604097.54,
202.30, 714.70, 0.00) GC UCART1
10TH HIGHEST VALUE IS 9.90955 AT (508618.86, 3603097.54,
204.40, 714.70, 0.00) GC UCART1

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 3 YEARS ***

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

**

Otay Hills Quarry AERMOD Output File (HRA)

NETWORK GROUP ID ZELEV, ZHILL, ZFLAG)				AVERAGE CONC GRID-ID		RECEPTOR (XR, YR,	
OF TYPE							
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SP16	1ST HIGHEST VALUE IS	59.09187	AT (	508368.86,	3603847.54,		
202.50,	714.70, 0.00) GC	UCART1					
231.90,	2ND HIGHEST VALUE IS	32.39663	AT (	508618.86,	3603597.54,		
	714.70, 0.00) GC	UCART1					
196.20,	3RD HIGHEST VALUE IS	30.96314	AT (	508368.86,	3603597.54,		
	714.70, 0.00) GC	UCART1					
202.73,	4TH HIGHEST VALUE IS	23.98953	AT (	508226.78,	3603955.63,		
	714.66, 0.00) DC						
205.10,	5TH HIGHEST VALUE IS	21.02669	AT (	508618.86,	3603347.54,		
	714.70, 0.00) GC	UCART1					
195.40,	6TH HIGHEST VALUE IS	16.38729	AT (	508118.86,	3603847.54,		
	714.70, 0.00) GC	UCART1					
196.90,	7TH HIGHEST VALUE IS	15.44598	AT (	508368.86,	3603347.54,		
	714.70, 0.00) GC	UCART1					
215.80,	8TH HIGHEST VALUE IS	11.82874	AT (	508618.86,	3603847.54,		
	714.70, 0.00) GC	UCART1					
202.70,	9TH HIGHEST VALUE IS	11.56457	AT (	508118.86,	3604097.54,		
	714.70, 0.00) GC	UCART1					
204.40,	10TH HIGHEST VALUE IS	9.58287	AT (	508618.86,	3603097.54,		
	714.70, 0.00) GC	UCART1					
SP17	1ST HIGHEST VALUE IS	55.44503	AT (	508618.86,	3603597.54,		
231.90,	714.70, 0.00) GC	UCART1					
202.50,	2ND HIGHEST VALUE IS	47.71273	AT (	508368.86,	3603847.54,		
	714.70, 0.00) GC	UCART1					
196.20,	3RD HIGHEST VALUE IS	29.47787	AT (	508368.86,	3603597.54,		
	714.70, 0.00) GC	UCART1					
205.10,	4TH HIGHEST VALUE IS	21.84177	AT (	508618.86,	3603347.54,		
	714.70, 0.00) GC	UCART1					
202.73,	5TH HIGHEST VALUE IS	20.61405	AT (	508226.78,	3603955.63,		
	714.66, 0.00) DC						
195.40,	6TH HIGHEST VALUE IS	15.21357	AT (	508118.86,	3603847.54,		
	714.70, 0.00) GC	UCART1					
196.90,	7TH HIGHEST VALUE IS	14.80775	AT (	508368.86,	3603347.54,		
	714.70, 0.00) GC	UCART1					
215.80,	8TH HIGHEST VALUE IS	10.29467	AT (	508618.86,	3603847.54,		
	714.70, 0.00) GC	UCART1					
202.70,	9TH HIGHEST VALUE IS	10.26163	AT (	508118.86,	3604097.54,		
	714.70, 0.00) GC	UCART1					
204.40,	10TH HIGHEST VALUE IS	9.70344	AT (	508618.86,	3603097.54,		
	714.70, 0.00) GC	UCART1					
SP18	1ST HIGHEST VALUE IS	77.26803	AT (	508618.86,	3603597.54,		
231.90,	714.70, 0.00) GC	UCART1					
202.50,	2ND HIGHEST VALUE IS	35.54688	AT (	508368.86,	3603847.54,		
	714.70, 0.00) GC	UCART1					
196.20,	3RD HIGHEST VALUE IS	31.78825	AT (	508368.86,	3603597.54,		
	714.70, 0.00) GC	UCART1					
205.10,	4TH HIGHEST VALUE IS	24.30275	AT (	508618.86,	3603347.54,		
	714.70, 0.00) GC	UCART1					
202.73,	5TH HIGHEST VALUE IS	17.49467	AT (	508226.78,	3603955.63,		
	714.66, 0.00) DC						
196.90,	6TH HIGHEST VALUE IS	15.60196	AT (	508368.86,	3603347.54,		
	714.70, 0.00) GC	UCART1					
195.40,	7TH HIGHEST VALUE IS	15.35907	AT (	508118.86,	3603847.54,		
	714.70, 0.00) GC	UCART1					
204.40,	8TH HIGHEST VALUE IS	10.31816	AT (	508618.86,	3603097.54,		
	714.70, 0.00) GC	UCART1					
202.70,	9TH HIGHEST VALUE IS	9.02103	AT (	508118.86,	3604097.54,		
	714.70, 0.00) GC	UCART1					
202.30,	10TH HIGHEST VALUE IS	8.14639	AT (	507868.86,	3604097.54,		
	714.70, 0.00) GC	UCART1					
SP2	1ST HIGHEST VALUE IS	50.90080	AT (	508368.86,	3603847.54,		
202.50,	714.70, 0.00) GC	UCART1					
202.73,	2ND HIGHEST VALUE IS	22.60184	AT (	508226.78,	3603955.63,		
	714.66, 0.00) DC						
196.20,	3RD HIGHEST VALUE IS	22.12154	AT (	508368.86,	3603597.54,		
	714.70, 0.00) GC	UCART1					
231.90,	4TH HIGHEST VALUE IS	18.33165	AT (	508618.86,	3603597.54,		
	714.70, 0.00) GC	UCART1					
205.10,	5TH HIGHEST VALUE IS	16.64255	AT (	508618.86,	3603347.54,		
	714.70, 0.00) GC	UCART1					
215.80,	6TH HIGHEST VALUE IS	13.45376	AT (	508618.86,	3603847.54,		
	714.70, 0.00) GC	UCART1					
195.40,	7TH HIGHEST VALUE IS	12.84897	AT (	508118.86,	3603847.54,		
	714.70, 0.00) GC	UCART1					
202.70,	8TH HIGHEST VALUE IS	12.40702	AT (	508118.86,	3604097.54,		
	714.70, 0.00) GC	UCART1					
196.90,	9TH HIGHEST VALUE IS	11.96080	AT (	508368.86,	3603347.54,		
	714.70, 0.00) GC	UCART1					
204.40,	10TH HIGHEST VALUE IS	8.34190	AT (	508618.86,	3603097.54,		
	714.70, 0.00) GC	UCART1					
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*							
*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS							
AVERAGED OVER 3 YEARS ***							
** CONC OF TAC IN MICROGRAMS/M**3							

NETWORK GROUP ID ZELEV, ZHILL, ZFLAG)				AVERAGE CONC GRID-ID		RECEPTOR (XR, YR,	
OF TYPE							
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SP6	1ST HIGHEST VALUE IS	94.64870	AT (	508618.86,	3603847.54,		
215.80,	714.70, 0.00) GC	UCART1					
202.50,	2ND HIGHEST VALUE IS	61.26225	AT (	508368.86,	3603847.54,		
	714.70, 0.00) GC	UCART1					
202.73,	3RD HIGHEST VALUE IS	33.82753	AT (	508226.78,	3603955.63,		
	714.66, 0.00) DC						
196.20,	4TH HIGHEST VALUE IS	23.14692	AT (	508368.86,	3603597.54,		
	714.70, 0.00) GC	UCART1					
202.70,	5TH HIGHEST VALUE IS	21.47356	AT (	508118.86,	3604097.54,		
	714.70, 0.00) GC	UCART1					
207.00,	6TH HIGHEST VALUE IS	19.22761	AT (	508368.86,	3604097.54,		
	714.70, 0.00) GC	UCART1					
205.10,	7TH HIGHEST VALUE IS	12.49445	AT (	508618.86,	3603347.54,		
	714.70, 0.00) GC	UCART1					
195.40,	8TH HIGHEST VALUE IS	11.74023	AT (	508118.86,	3603847.54,		
	714.70, 0.00) GC	UCART1					
196.90,	9TH HIGHEST VALUE IS	10.55455	AT (	508368.86,	3603347.54,		
	714.70, 0.00) GC	UCART1					

Otay Hills Quarry AERMOD Output File (HRA)

202.30,	10TH HIGHEST VALUE IS	9.40483 AT (	507868.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
SP7	1ST HIGHEST VALUE IS	83.64209 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	65.29499 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	34.56777 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	4TH HIGHEST VALUE IS	24.09640 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	5TH HIGHEST VALUE IS	21.21604 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	17.82586 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	13.21812 AT (	508618.86,	3603347.54,
205.10,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	12.19580 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	11.00556 AT (	508368.86,	3603347.54,
196.90,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	9.49399 AT (	507868.86,	3604097.54,
202.30,	714.70, 0.00) GC	UCART1		
SP8	1ST HIGHEST VALUE IS	71.50053 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	63.66614 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	35.04793 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	4TH HIGHEST VALUE IS	25.02516 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	5TH HIGHEST VALUE IS	20.76458 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	16.09042 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	14.01580 AT (	508618.86,	3603347.54,
205.10,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	12.73056 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	11.49116 AT (	508368.86,	3603347.54,
196.90,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	9.55089 AT (	507868.86,	3604097.54,
202.30,	714.70, 0.00) GC	UCART1		
SP9	1ST HIGHEST VALUE IS	81.77745 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	49.13283 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	35.74258 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	4TH HIGHEST VALUE IS	25.93936 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	5TH HIGHEST VALUE IS	20.60248 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	14.77730 AT (	508618.86,	3603347.54,
205.10,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	14.46704 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	13.20328 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	11.91757 AT (	508368.86,	3603347.54,
196.90,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	9.48006 AT (	507868.86,	3604097.54,
202.30,	714.70, 0.00) GC	UCART1		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
 AVERAGED OVER 3 YEARS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID		
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TC5	1ST HIGHEST VALUE IS	64.78784 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	44.24256 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	28.08973 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	4TH HIGHEST VALUE IS	21.11849 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	5TH HIGHEST VALUE IS	16.29136 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	15.37786 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	12.65139 AT (	508618.86,	3603347.54,
205.10,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	11.75090 AT (	508118.86,	3603847.54,
195.40,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	10.00452 AT (	508618.86,	3604097.54,
211.50,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	9.75047 AT (	508618.86,	3603597.54,
231.90,	714.70, 0.00) GC	UCART1		

TC6	1ST HIGHEST VALUE IS	324.68728 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
	2ND HIGHEST VALUE IS	33.31034 AT (	508368.86,	3603847.54,
202.50,	714.70, 0.00) GC	UCART1		
	3RD HIGHEST VALUE IS	20.40572 AT (	508368.86,	3604097.54,
207.00,	714.70, 0.00) GC	UCART1		
	4TH HIGHEST VALUE IS	19.20951 AT (	508226.78,	3603955.63,
202.73,	714.66, 0.00) DC			
	5TH HIGHEST VALUE IS	14.57737 AT (	508368.86,	3603597.54,
196.20,	714.70, 0.00) GC	UCART1		
	6TH HIGHEST VALUE IS	13.56831 AT (	508118.86,	3604097.54,
202.70,	714.70, 0.00) GC	UCART1		
	7TH HIGHEST VALUE IS	13.15995 AT (	508618.86,	3603597.54,
231.90,	714.70, 0.00) GC	UCART1		
	8TH HIGHEST VALUE IS	12.94263 AT (	508618.86,	3604097.54,
211.50,	714.70, 0.00) GC	UCART1		
	9TH HIGHEST VALUE IS	11.27618 AT (	508618.86,	3603347.54,
205.10,	714.70, 0.00) GC	UCART1		
	10TH HIGHEST VALUE IS	9.20554 AT (	508868.86,	3603847.54,
231.20,	714.70, 0.00) GC	UCART1		

TC7	1ST HIGHEST VALUE IS	290.43892 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		

Otay Hills Quarry AERMOD Output File (HRA)

202.50,	2ND HIGHEST VALUE IS	34.94347 AT (	508368.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
207.00,	3RD HIGHEST VALUE IS	20.57023 AT (	508368.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	19.91726 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			
196.20,	5TH HIGHEST VALUE IS	15.01592 AT (	508368.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
202.70,	6TH HIGHEST VALUE IS	13.93951 AT (	508118.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
211.50,	7TH HIGHEST VALUE IS	12.96176 AT (	508618.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
231.90,	8TH HIGHEST VALUE IS	12.35035 AT (	508618.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
205.10,	9TH HIGHEST VALUE IS	11.32625 AT (	508618.86,	3603347.54,
	714.70, 0.00) GC	UCART1		
195.40,	10TH HIGHEST VALUE IS	8.92515 AT (	508118.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
TP10	1ST HIGHEST VALUE IS	316.52304 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
202.50,	2ND HIGHEST VALUE IS	33.31808 AT (	508368.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
207.00,	3RD HIGHEST VALUE IS	20.11832 AT (	508368.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	19.12267 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			
196.20,	5TH HIGHEST VALUE IS	14.55268 AT (	508368.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
202.70,	6TH HIGHEST VALUE IS	13.48619 AT (	508118.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
231.90,	7TH HIGHEST VALUE IS	13.47755 AT (	508618.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
211.50,	8TH HIGHEST VALUE IS	12.81707 AT (	508618.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
205.10,	9TH HIGHEST VALUE IS	11.31852 AT (	508618.86,	3603347.54,
	714.70, 0.00) GC	UCART1		
231.20,	10TH HIGHEST VALUE IS	9.21121 AT (	508868.86,	3603847.54,
	714.70, 0.00) GC	UCART1		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 3 YEARS ***

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

**

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

TP11	1ST HIGHEST VALUE IS	354.70783 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
202.50,	2ND HIGHEST VALUE IS	33.57394 AT (	508368.86,	3603847.54,
	714.70, 0.00) GC	UCART1		

207.00,	3RD HIGHEST VALUE IS	22.88227 AT (	508368.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	19.84187 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			
196.20,	5TH HIGHEST VALUE IS	14.73513 AT (	508368.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
202.70,	6TH HIGHEST VALUE IS	14.16385 AT (	508118.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
211.50,	7TH HIGHEST VALUE IS	13.96933 AT (	508618.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
231.90,	8TH HIGHEST VALUE IS	11.28290 AT (	508618.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
205.10,	9TH HIGHEST VALUE IS	10.95029 AT (	508618.86,	3603347.54,
	714.70, 0.00) GC	UCART1		
231.20,	10TH HIGHEST VALUE IS	9.37613 AT (	508868.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
TP12	1ST HIGHEST VALUE IS	315.36129 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
202.50,	2ND HIGHEST VALUE IS	33.25890 AT (	508368.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
207.00,	3RD HIGHEST VALUE IS	24.94562 AT (	508368.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	19.97562 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			
211.50,	5TH HIGHEST VALUE IS	14.89972 AT (	508618.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
196.20,	6TH HIGHEST VALUE IS	14.63594 AT (	508368.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
202.70,	7TH HIGHEST VALUE IS	14.44421 AT (	508118.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
231.90,	8TH HIGHEST VALUE IS	10.81998 AT (	508618.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
205.10,	9TH HIGHEST VALUE IS	10.56527 AT (	508618.86,	3603347.54,
	714.70, 0.00) GC	UCART1		
231.20,	10TH HIGHEST VALUE IS	9.92722 AT (	508868.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
TP13	1ST HIGHEST VALUE IS	266.62885 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
202.50,	2ND HIGHEST VALUE IS	33.11959 AT (	508368.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
207.00,	3RD HIGHEST VALUE IS	26.77770 AT (	508368.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	20.01501 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			
211.50,	5TH HIGHEST VALUE IS	15.71892 AT (	508618.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.70,	6TH HIGHEST VALUE IS	14.63873 AT (	508118.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
196.20,	7TH HIGHEST VALUE IS	14.51002 AT (	508368.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
231.90,	8TH HIGHEST VALUE IS	10.54733 AT (	508618.86,	3603597.54,
	714.70, 0.00) GC	UCART1		
231.20,	9TH HIGHEST VALUE IS	10.32027 AT (	508868.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
205.10,	10TH HIGHEST VALUE IS	10.25943 AT (	508618.86,	3603347.54,
	714.70, 0.00) GC	UCART1		
TP14	1ST HIGHEST VALUE IS	192.03018 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
202.50,	2ND HIGHEST VALUE IS	32.89550 AT (	508368.86,	3603847.54,
	714.70, 0.00) GC	UCART1		
207.00,	3RD HIGHEST VALUE IS	28.98795 AT (	508368.86,	3604097.54,
	714.70, 0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	19.91847 AT (	508226.78,	3603955.63,
	714.66, 0.00) DC			

Otay Hills Quarry AERMOD Output File (HRA)

211.50, 5TH HIGHEST VALUE IS 16.67630 AT (508618.86, 3604097.54,
714.70, 0.00) GC UCART1
202.70, 6TH HIGHEST VALUE IS 14.77803 AT (508118.86, 3604097.54,
714.70, 0.00) GC UCART1
196.20, 7TH HIGHEST VALUE IS 14.30130 AT (508368.86, 3603597.54,
714.70, 0.00) GC UCART1
231.20, 8TH HIGHEST VALUE IS 10.64431 AT (508868.86, 3603847.54,
714.70, 0.00) GC UCART1
231.90, 9TH HIGHEST VALUE IS 10.20346 AT (508618.86, 3603597.54,
714.70, 0.00) GC UCART1
205.10, 10TH HIGHEST VALUE IS 9.96768 AT (508618.86, 3603347.54,
714.70, 0.00) GC UCART1

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER 3 YEARS ***

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

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

TP15 1ST HIGHEST VALUE IS 235.19853 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
202.50, 2ND HIGHEST VALUE IS 30.31187 AT (508368.86, 3603847.54,
714.70, 0.00) GC UCART1
207.00, 3RD HIGHEST VALUE IS 30.19728 AT (508368.86, 3604097.54,
714.70, 0.00) GC UCART1
202.73, 4TH HIGHEST VALUE IS 18.76003 AT (508226.78, 3603955.63,
714.66, 0.00) DC
211.50, 5TH HIGHEST VALUE IS 17.61776 AT (508618.86, 3604097.54,
714.70, 0.00) GC UCART1
202.70, 6TH HIGHEST VALUE IS 14.21427 AT (508118.86, 3604097.54,
714.70, 0.00) GC UCART1
196.20, 7TH HIGHEST VALUE IS 13.63656 AT (508368.86, 3603597.54,
714.70, 0.00) GC UCART1
231.20, 8TH HIGHEST VALUE IS 11.46336 AT (508868.86, 3603847.54,
714.70, 0.00) GC UCART1
231.90, 9TH HIGHEST VALUE IS 10.40753 AT (508618.86, 3603597.54,
714.70, 0.00) GC UCART1
205.10, 10TH HIGHEST VALUE IS 9.81744 AT (508618.86, 3603347.54,
714.70, 0.00) GC UCART1

TP16 1ST HIGHEST VALUE IS 242.10162 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
207.00, 2ND HIGHEST VALUE IS 30.60774 AT (508368.86, 3604097.54,
714.70, 0.00) GC UCART1
202.50, 3RD HIGHEST VALUE IS 29.25175 AT (508368.86, 3603847.54,
714.70, 0.00) GC UCART1
202.73, 4TH HIGHEST VALUE IS 18.27038 AT (508226.78, 3603955.63,
714.66, 0.00) DC
211.50, 5TH HIGHEST VALUE IS 18.02007 AT (508618.86, 3604097.54,
714.70, 0.00) GC UCART1

202.70, 6TH HIGHEST VALUE IS 13.96150 AT (508118.86, 3604097.54,
714.70, 0.00) GC UCART1
196.20, 7TH HIGHEST VALUE IS 13.35640 AT (508368.86, 3603597.54,
714.70, 0.00) GC UCART1
231.20, 8TH HIGHEST VALUE IS 11.83961 AT (508868.86, 3603847.54,
714.70, 0.00) GC UCART1
231.90, 9TH HIGHEST VALUE IS 10.51854 AT (508618.86, 3603597.54,
714.70, 0.00) GC UCART1
205.10, 10TH HIGHEST VALUE IS 9.75682 AT (508618.86, 3603347.54,
714.70, 0.00) GC UCART1

TP17 1ST HIGHEST VALUE IS 508.60677 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
202.50, 2ND HIGHEST VALUE IS 30.09032 AT (508368.86, 3603847.54,
714.70, 0.00) GC UCART1
207.00, 3RD HIGHEST VALUE IS 21.38262 AT (508368.86, 3604097.54,
714.70, 0.00) GC UCART1
202.73, 4TH HIGHEST VALUE IS 18.03103 AT (508226.78, 3603955.63,
714.66, 0.00) DC
196.20, 5TH HIGHEST VALUE IS 13.70998 AT (508368.86, 3603597.54,
714.70, 0.00) GC UCART1
231.90, 6TH HIGHEST VALUE IS 13.69989 AT (508618.86, 3603597.54,
714.70, 0.00) GC UCART1
211.50, 7TH HIGHEST VALUE IS 13.52845 AT (508618.86, 3604097.54,
714.70, 0.00) GC UCART1
202.70, 8TH HIGHEST VALUE IS 13.06215 AT (508118.86, 3604097.54,
714.70, 0.00) GC UCART1
205.10, 9TH HIGHEST VALUE IS 11.01311 AT (508618.86, 3603347.54,
714.70, 0.00) GC UCART1
231.20, 10TH HIGHEST VALUE IS 10.38214 AT (508868.86, 3603847.54,
714.70, 0.00) GC UCART1

TP18 1ST HIGHEST VALUE IS 448.31416 AT (508618.86, 3603847.54,
215.80, 714.70, 0.00) GC UCART1
202.50, 2ND HIGHEST VALUE IS 31.01139 AT (508368.86, 3603847.54,
714.70, 0.00) GC UCART1
207.00, 3RD HIGHEST VALUE IS 21.18974 AT (508368.86, 3604097.54,
714.70, 0.00) GC UCART1
202.73, 4TH HIGHEST VALUE IS 18.39264 AT (508226.78, 3603955.63,
714.66, 0.00) DC
196.20, 5TH HIGHEST VALUE IS 13.96642 AT (508368.86, 3603597.54,
714.70, 0.00) GC UCART1
231.90, 6TH HIGHEST VALUE IS 13.44892 AT (508618.86, 3603597.54,
714.70, 0.00) GC UCART1
211.50, 7TH HIGHEST VALUE IS 13.39903 AT (508618.86, 3604097.54,
714.70, 0.00) GC UCART1
202.70, 8TH HIGHEST VALUE IS 13.23267 AT (508118.86, 3604097.54,
714.70, 0.00) GC UCART1
205.10, 9TH HIGHEST VALUE IS 11.08429 AT (508618.86, 3603347.54,
714.70, 0.00) GC UCART1
231.20, 10TH HIGHEST VALUE IS 10.01977 AT (508868.86, 3603847.54,
714.70, 0.00) GC UCART1

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER 3 YEARS ***

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

Otay Hills Quarry AERMOD Output File (HRA)

NETWORK GROUP ID ZELEV, ZHILL, ZFLAG) OF TYPE				AVERAGE CONC GRID-ID	RECEPTOR (XR, YR,	
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TP19	1ST HIGHEST VALUE IS	157.50958	AT (	508618.86,	3603847.54,	
215.80,	714.70, 0.00) GC	UCART1				
	2ND HIGHEST VALUE IS	29.92116	AT (	508368.86,	3603847.54,	
202.50,	714.70, 0.00) GC	UCART1				
	3RD HIGHEST VALUE IS	29.82068	AT (	508618.86,	3603597.54,	
231.90,	714.70, 0.00) GC	UCART1				
	4TH HIGHEST VALUE IS	16.29573	AT (	508226.78,	3603955.63,	
202.73,	714.66, 0.00) DC					
	5TH HIGHEST VALUE IS	14.93503	AT (	508368.86,	3604097.54,	
207.00,	714.70, 0.00) GC	UCART1				
	6TH HIGHEST VALUE IS	13.18451	AT (	508368.86,	3603597.54,	
196.20,	714.70, 0.00) GC	UCART1				
	7TH HIGHEST VALUE IS	11.64958	AT (	508618.86,	3603347.54,	
205.10,	714.70, 0.00) GC	UCART1				
	8TH HIGHEST VALUE IS	11.31639	AT (	508118.86,	3604097.54,	
202.70,	714.70, 0.00) GC	UCART1				
	9TH HIGHEST VALUE IS	11.27042	AT (	508868.86,	3603847.54,	
231.20,	714.70, 0.00) GC	UCART1				
	10TH HIGHEST VALUE IS	9.86609	AT (	508618.86,	3604097.54,	
211.50,	714.70, 0.00) GC	UCART1				
TP2	1ST HIGHEST VALUE IS	107.02593	AT (	508618.86,	3603597.54,	
231.90,	714.70, 0.00) GC	UCART1				
	2ND HIGHEST VALUE IS	38.32985	AT (	508368.86,	3603847.54,	
202.50,	714.70, 0.00) GC	UCART1				
	3RD HIGHEST VALUE IS	29.55436	AT (	508618.86,	3603847.54,	
215.80,	714.70, 0.00) GC	UCART1				
	4TH HIGHEST VALUE IS	18.88604	AT (	508368.86,	3603597.54,	
196.20,	714.70, 0.00) GC	UCART1				
	5TH HIGHEST VALUE IS	16.57895	AT (	508226.78,	3603955.63,	
202.73,	714.66, 0.00) DC					
	6TH HIGHEST VALUE IS	15.09792	AT (	508618.86,	3603347.54,	
205.10,	714.70, 0.00) GC	UCART1				
	7TH HIGHEST VALUE IS	10.47778	AT (	508868.86,	3603847.54,	
231.20,	714.70, 0.00) GC	UCART1				
	8TH HIGHEST VALUE IS	10.22609	AT (	508118.86,	3603847.54,	
195.40,	714.70, 0.00) GC	UCART1				
	9TH HIGHEST VALUE IS	9.37945	AT (	508368.86,	3603347.54,	
196.90,	714.70, 0.00) GC	UCART1				
	10TH HIGHEST VALUE IS	9.26458	AT (	508118.86,	3604097.54,	
202.70,	714.70, 0.00) GC	UCART1				
TP20	1ST HIGHEST VALUE IS	135.10205	AT (	508618.86,	3603847.54,	
215.80,	714.70, 0.00) GC	UCART1				
	2ND HIGHEST VALUE IS	32.19750	AT (	508368.86,	3603847.54,	
202.50,	714.70, 0.00) GC	UCART1				
	3RD HIGHEST VALUE IS	29.78690	AT (	508618.86,	3603597.54,	
231.90,	714.70, 0.00) GC	UCART1				
	4TH HIGHEST VALUE IS	16.97837	AT (	508226.78,	3603955.63,	
202.73,	714.66, 0.00) DC					
	5TH HIGHEST VALUE IS	14.37565	AT (	508368.86,	3604097.54,	
207.00,	714.70, 0.00) GC	UCART1				
	6TH HIGHEST VALUE IS	13.83113	AT (	508368.86,	3603597.54,	
196.20,	714.70, 0.00) GC	UCART1				
	7TH HIGHEST VALUE IS	11.85234	AT (	508618.86,	3603347.54,	
205.10,	714.70, 0.00) GC	UCART1				
	8TH HIGHEST VALUE IS	11.53291	AT (	508118.86,	3604097.54,	
202.70,	714.70, 0.00) GC	UCART1				
	9TH HIGHEST VALUE IS	10.51435	AT (	508868.86,	3603847.54,	
231.20,	714.70, 0.00) GC	UCART1				
	10TH HIGHEST VALUE IS	9.62752	AT (	508618.86,	3604097.54,	
211.50,	714.70, 0.00) GC	UCART1				
TP21	1ST HIGHEST VALUE IS	125.58558	AT (	508618.86,	3603847.54,	
215.80,	714.70, 0.00) GC	UCART1				
	2ND HIGHEST VALUE IS	39.22847	AT (	508368.86,	3603847.54,	
202.50,	714.70, 0.00) GC	UCART1				
	3RD HIGHEST VALUE IS	19.72236	AT (	508226.78,	3603955.63,	
202.73,	714.66, 0.00) DC					
	4TH HIGHEST VALUE IS	19.03808	AT (	508618.86,	3603597.54,	
231.90,	714.70, 0.00) GC	UCART1				
	5TH HIGHEST VALUE IS	15.80270	AT (	508368.86,	3603597.54,	
196.20,	714.70, 0.00) GC	UCART1				
	6TH HIGHEST VALUE IS	14.96242	AT (	508368.86,	3604097.54,	
207.00,	714.70, 0.00) GC	UCART1				
	7TH HIGHEST VALUE IS	12.90397	AT (	508118.86,	3604097.54,	
202.70,	714.70, 0.00) GC	UCART1				
	8TH HIGHEST VALUE IS	12.23475	AT (	508618.86,	3603347.54,	
205.10,	714.70, 0.00) GC	UCART1				
	9TH HIGHEST VALUE IS	10.25613	AT (	508618.86,	3604097.54,	
211.50,	714.70, 0.00) GC	UCART1				
	10TH HIGHEST VALUE IS	9.41343	AT (	508118.86,	3603847.54,	
195.40,	714.70, 0.00) GC	UCART1				
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*						
*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS						
AVERAGED OVER 3 YEARS ***						
** CONC OF TAC IN MICROGRAMS/M**3						
**						
NETWORK GROUP ID ZELEV, ZHILL, ZFLAG) OF TYPE				AVERAGE CONC GRID-ID	RECEPTOR (XR, YR,	
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TP22	1ST HIGHEST VALUE IS	100.10552	AT (	508618.86,	3603847.54,	
215.80,	714.70, 0.00) GC	UCART1				
	2ND HIGHEST VALUE IS	41.95648	AT (	508368.86,	3603847.54,	
202.50,	714.70, 0.00) GC	UCART1				
	3RD HIGHEST VALUE IS	33.41486	AT (	508368.86,	3604097.54,	
207.00,	714.70, 0.00) GC	UCART1				
	4TH HIGHEST VALUE IS	23.30906	AT (	508226.78,	3603955.63,	
202.73,	714.66, 0.00) DC					
	5TH HIGHEST VALUE IS	17.20910	AT (	508618.86,	3604097.54,	
211.50,	714.70, 0.00) GC	UCART1				
	6TH HIGHEST VALUE IS	17.08250	AT (	508118.86,	3604097.54,	
202.70,	714.70, 0.00) GC	UCART1				
	7TH HIGHEST VALUE IS	15.35061	AT (	508368.86,	3603597.54,	
196.20,	714.70, 0.00) GC	UCART1				
	8TH HIGHEST VALUE IS	9.43224	AT (	508618.86,	3603347.54,	
205.10,	714.70, 0.00) GC	UCART1				
	9TH HIGHEST VALUE IS	9.38708	AT (	508118.86,	3603847.54,	
195.40,	714.70, 0.00) GC	UCART1				

Otay Hills Quarry AERMOD Output File (HRA)

231.20,	10TH HIGHEST VALUE IS	9.21936 AT (	508868.86,	3603847.54,
714.70,	0.00) GC	UCART1		
TP23	1ST HIGHEST VALUE IS	99.52806 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
202.50,	2ND HIGHEST VALUE IS	39.62563 AT (	508368.86,	3603847.54,
714.70,	0.00) GC	UCART1		
207.00,	3RD HIGHEST VALUE IS	35.34768 AT (	508368.86,	3604097.54,
714.70,	0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	22.36098 AT (	508226.78,	3603955.63,
714.66,	0.00) DC			
211.50,	5TH HIGHEST VALUE IS	18.01909 AT (	508618.86,	3604097.54,
714.70,	0.00) GC	UCART1		
202.70,	6TH HIGHEST VALUE IS	16.69501 AT (	508118.86,	3604097.54,
714.70,	0.00) GC	UCART1		
196.20,	7TH HIGHEST VALUE IS	14.89866 AT (	508368.86,	3603597.54,
714.70,	0.00) GC	UCART1		
231.20,	8TH HIGHEST VALUE IS	9.52309 AT (	508868.86,	3603847.54,
714.70,	0.00) GC	UCART1		
205.10,	9TH HIGHEST VALUE IS	9.34481 AT (	508618.86,	3603347.54,
714.70,	0.00) GC	UCART1		
206.10,	10TH HIGHEST VALUE IS	9.33398 AT (	508118.86,	3604347.54,
714.70,	0.00) GC	UCART1		
TP3	1ST HIGHEST VALUE IS	53.07474 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
202.50,	2ND HIGHEST VALUE IS	47.48907 AT (	508368.86,	3603847.54,
714.70,	0.00) GC	UCART1		
231.90,	3RD HIGHEST VALUE IS	35.59486 AT (	508618.86,	3603597.54,
714.70,	0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	20.04896 AT (	508226.78,	3603955.63,
714.66,	0.00) DC			
196.20,	5TH HIGHEST VALUE IS	18.48414 AT (	508368.86,	3603597.54,
714.70,	0.00) GC	UCART1		
205.10,	6TH HIGHEST VALUE IS	13.48456 AT (	508618.86,	3603347.54,
714.70,	0.00) GC	UCART1		
202.70,	7TH HIGHEST VALUE IS	11.49549 AT (	508118.86,	3604097.54,
714.70,	0.00) GC	UCART1		
195.40,	8TH HIGHEST VALUE IS	10.56354 AT (	508118.86,	3603847.54,
714.70,	0.00) GC	UCART1		
207.00,	9TH HIGHEST VALUE IS	10.01040 AT (	508368.86,	3604097.54,
714.70,	0.00) GC	UCART1		
196.90,	10TH HIGHEST VALUE IS	9.13147 AT (	508368.86,	3603347.54,
714.70,	0.00) GC	UCART1		
TP4	1ST HIGHEST VALUE IS	67.28089 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
202.50,	2ND HIGHEST VALUE IS	50.23288 AT (	508368.86,	3603847.54,
714.70,	0.00) GC	UCART1		
231.90,	3RD HIGHEST VALUE IS	22.46598 AT (	508618.86,	3603597.54,
714.70,	0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	21.60049 AT (	508226.78,	3603955.63,
714.66,	0.00) DC			
196.20,	5TH HIGHEST VALUE IS	18.70135 AT (	508368.86,	3603597.54,
714.70,	0.00) GC	UCART1		
205.10,	6TH HIGHEST VALUE IS	13.23839 AT (	508618.86,	3603347.54,
714.70,	0.00) GC	UCART1		
202.70,	7TH HIGHEST VALUE IS	12.63041 AT (	508118.86,	3604097.54,
714.70,	0.00) GC	UCART1		
207.00,	8TH HIGHEST VALUE IS	11.51910 AT (	508368.86,	3604097.54,
714.70,	0.00) GC	UCART1		
195.40,	9TH HIGHEST VALUE IS	10.69057 AT (	508118.86,	3603847.54,
714.70,	0.00) GC	UCART1		
196.90,	10TH HIGHEST VALUE IS	9.12920 AT (	508368.86,	3603347.54,
714.70,	0.00) GC	UCART1		

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
 AVERAGED OVER 3 YEARS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID		
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TP5	1ST HIGHEST VALUE IS	68.68452 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
202.50,	2ND HIGHEST VALUE IS	50.90295 AT (	508368.86,	3603847.54,
714.70,	0.00) GC	UCART1		
202.73,	3RD HIGHEST VALUE IS	22.00247 AT (	508226.78,	3603955.63,
714.66,	0.00) DC			
231.90,	4TH HIGHEST VALUE IS	20.43302 AT (	508618.86,	3603597.54,
714.70,	0.00) GC	UCART1		
196.20,	5TH HIGHEST VALUE IS	18.79004 AT (	508368.86,	3603597.54,
714.70,	0.00) GC	UCART1		
205.10,	6TH HIGHEST VALUE IS	13.17891 AT (	508618.86,	3603347.54,
714.70,	0.00) GC	UCART1		
202.70,	7TH HIGHEST VALUE IS	12.91832 AT (	508118.86,	3604097.54,
714.70,	0.00) GC	UCART1		
207.00,	8TH HIGHEST VALUE IS	11.90734 AT (	508368.86,	3604097.54,
714.70,	0.00) GC	UCART1		
195.40,	9TH HIGHEST VALUE IS	10.72794 AT (	508118.86,	3603847.54,
714.70,	0.00) GC	UCART1		
196.90,	10TH HIGHEST VALUE IS	9.13444 AT (	508368.86,	3603347.54,
714.70,	0.00) GC	UCART1		

TP6	1ST HIGHEST VALUE IS	116.01419 AT (	508618.86,	3603847.54,
215.80,	714.70, 0.00) GC	UCART1		
202.50,	2ND HIGHEST VALUE IS	37.45867 AT (	508368.86,	3603847.54,
714.70,	0.00) GC	UCART1		
231.90,	3RD HIGHEST VALUE IS	24.85675 AT (	508618.86,	3603597.54,
714.70,	0.00) GC	UCART1		
202.73,	4TH HIGHEST VALUE IS	18.68775 AT (	508226.78,	3603955.63,
714.66,	0.00) DC			
196.20,	5TH HIGHEST VALUE IS	15.29444 AT (	508368.86,	3603597.54,
714.70,	0.00) GC	UCART1		
207.00,	6TH HIGHEST VALUE IS	13.85874 AT (	508368.86,	3604097.54,
714.70,	0.00) GC	UCART1		
205.10,	7TH HIGHEST VALUE IS	12.27184 AT (	508618.86,	3603347.54,
714.70,	0.00) GC	UCART1		
202.70,	8TH HIGHEST VALUE IS	12.19059 AT (	508118.86,	3604097.54,
714.70,	0.00) GC	UCART1		
211.50,	9TH HIGHEST VALUE IS	9.57224 AT (	508618.86,	3604097.54,
714.70,	0.00) GC	UCART1		
195.40,	10TH HIGHEST VALUE IS	9.21897 AT (	508118.86,	3603847.54,
714.70,	0.00) GC	UCART1		

TP7	1ST HIGHEST VALUE IS	71.75952 AT (	508618.86,	3603597.54,
231.90,	714.70, 0.00) GC	UCART1		

Otay Hills Quarry AERMOD Output File (HRA)

215.80, 2ND HIGHEST VALUE IS 51.90812 AT (508618.86, 3603847.54, 714.70, 0.00) GC UCART1
 202.50, 3RD HIGHEST VALUE IS 34.43750 AT (508368.86, 3603847.54, 714.70, 0.00) GC UCART1
 202.73, 4TH HIGHEST VALUE IS 16.36381 AT (508226.78, 3603955.63, 714.66, 0.00) DC
 196.20, 5TH HIGHEST VALUE IS 15.18435 AT (508368.86, 3603597.54, 714.70, 0.00) GC UCART1
 205.10, 6TH HIGHEST VALUE IS 13.10908 AT (508618.86, 3603347.54, 714.70, 0.00) GC UCART1
 231.20, 7TH HIGHEST VALUE IS 10.50735 AT (508868.86, 3603847.54, 714.70, 0.00) GC UCART1
 202.70, 8TH HIGHEST VALUE IS 10.07945 AT (508118.86, 3604097.54, 714.70, 0.00) GC UCART1
 207.00, 9TH HIGHEST VALUE IS 9.89444 AT (508368.86, 3604097.54, 714.70, 0.00) GC UCART1
 195.40, 10TH HIGHEST VALUE IS 9.07218 AT (508118.86, 3603847.54, 714.70, 0.00) GC UCART1
 TP8 1ST HIGHEST VALUE IS 129.92205 AT (508618.86, 3603847.54, 714.70, 0.00) GC UCART1
 215.80, 2ND HIGHEST VALUE IS 32.56292 AT (508368.86, 3603847.54, 714.70, 0.00) GC UCART1
 202.50, 3RD HIGHEST VALUE IS 30.14828 AT (508618.86, 3603597.54, 714.70, 0.00) GC UCART1
 202.73, 4TH HIGHEST VALUE IS 17.06014 AT (508226.78, 3603955.63, 714.66, 0.00) DC
 207.00, 5TH HIGHEST VALUE IS 14.20309 AT (508368.86, 3604097.54, 714.70, 0.00) GC UCART1
 196.20, 6TH HIGHEST VALUE IS 13.93207 AT (508368.86, 3603597.54, 714.70, 0.00) GC UCART1
 205.10, 7TH HIGHEST VALUE IS 11.90293 AT (508618.86, 3603347.54, 714.70, 0.00) GC UCART1
 202.70, 8TH HIGHEST VALUE IS 11.53548 AT (508118.86, 3604097.54, 714.70, 0.00) GC UCART1
 231.20, 9TH HIGHEST VALUE IS 10.39773 AT (508868.86, 3603847.54, 714.70, 0.00) GC UCART1
 211.50, 10TH HIGHEST VALUE IS 9.53950 AT (508618.86, 3604097.54, 714.70, 0.00) GC UCART1

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 3 YEARS ***

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

NETWORK
 GROUP ID AVERAGE CONC RECEPTOR (XR, YR,
 ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
 - - - - -
 TP9 1ST HIGHEST VALUE IS 240.82492 AT (508618.86, 3603847.54, 714.70, 0.00) GC UCART1
 215.80, 2ND HIGHEST VALUE IS 33.10966 AT (508368.86, 3603847.54, 714.70, 0.00) GC UCART1
 202.50, 714.70, 0.00) GC UCART1

202.73, 3RD HIGHEST VALUE IS 18.50392 AT (508226.78, 3603955.63, 714.66, 0.00) DC
 207.00, 4TH HIGHEST VALUE IS 18.18070 AT (508368.86, 3604097.54, 714.70, 0.00) GC UCART1
 231.90, 5TH HIGHEST VALUE IS 16.22408 AT (508618.86, 3603597.54, 714.70, 0.00) GC UCART1
 196.20, 6TH HIGHEST VALUE IS 14.35720 AT (508368.86, 3603597.54, 714.70, 0.00) GC UCART1
 202.70, 7TH HIGHEST VALUE IS 12.92180 AT (508118.86, 3604097.54, 714.70, 0.00) GC UCART1
 211.50, 8TH HIGHEST VALUE IS 11.86027 AT (508618.86, 3604097.54, 714.70, 0.00) GC UCART1
 205.10, 9TH HIGHEST VALUE IS 11.53915 AT (508618.86, 3603347.54, 714.70, 0.00) GC UCART1
 231.20, 10TH HIGHEST VALUE IS 9.30059 AT (508868.86, 3603847.54, 714.70, 0.00) GC UCART1

ALL 1ST HIGHEST VALUE IS 8589.31773 AT (508618.86, 3603847.54, 714.70, 0.00) GC UCART1
 215.80, 2ND HIGHEST VALUE IS 2928.34206 AT (508368.86, 3603847.54, 714.70, 0.00) GC UCART1
 202.50, 3RD HIGHEST VALUE IS 1888.96410 AT (508368.86, 3604097.54, 714.70, 0.00) GC UCART1
 207.00, 4TH HIGHEST VALUE IS 1551.02094 AT (508618.86, 3603597.54, 714.70, 0.00) GC UCART1
 231.90, 5TH HIGHEST VALUE IS 1462.22611 AT (508226.78, 3603955.63, 714.66, 0.00) DC
 202.73, 6TH HIGHEST VALUE IS 1197.64647 AT (508368.86, 3603597.54, 714.70, 0.00) GC UCART1
 196.20, 7TH HIGHEST VALUE IS 978.71304 AT (508118.86, 3604097.54, 714.70, 0.00) GC UCART1
 202.70, 8TH HIGHEST VALUE IS 872.25302 AT (508618.86, 3603347.54, 714.70, 0.00) GC UCART1
 205.10, 9TH HIGHEST VALUE IS 725.03490 AT (508618.86, 3604097.54, 714.70, 0.00) GC UCART1
 211.50, 10TH HIGHEST VALUE IS 692.50527 AT (508118.86, 3603847.54, 714.70, 0.00) GC UCART1
 195.40, 714.70, 0.00) GC UCART1

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

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

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

Otay Hills Quarry AERMOD Output File (HRA)

AS1 HIGH 1ST HIGH VALUE IS 2288.04486 ON 17020717: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

AS2 HIGH 1ST HIGH VALUE IS 4356.45039 ON 15011320: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

CBP1 HIGH 1ST HIGH VALUE IS 1923.98109 ON 15122808: AT (508368.86,
3604097.54, 207.00, 714.70, 0.00) GC UCART1

CBP2 HIGH 1ST HIGH VALUE IS 2019.79732 ON 17020508: AT (508618.86,
3604097.54, 211.50, 714.70, 0.00) GC UCART1

CBP3 HIGH 1ST HIGH VALUE IS 1858.51195 ON 16120207: AT (508368.86,
3604097.54, 207.00, 714.70, 0.00) GC UCART1

CBP4 HIGH 1ST HIGH VALUE IS 3277.28458 ON 16021622: AT (508368.86,
3604097.54, 207.00, 714.70, 0.00) GC UCART1

CR1 HIGH 1ST HIGH VALUE IS 2104.94100 ON 17121808: AT (508618.86,
3603597.54, 231.90, 714.70, 0.00) GC UCART1

CR2 HIGH 1ST HIGH VALUE IS 1913.23350 ON 17121808: AT (508618.86,
3603597.54, 231.90, 714.70, 0.00) GC UCART1

CR3 HIGH 1ST HIGH VALUE IS 2486.36800 ON 17020508: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

CR4 HIGH 1ST HIGH VALUE IS 4469.90430 ON 17022805: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

CR5 HIGH 1ST HIGH VALUE IS 4677.69035 ON 16120224: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

CTB1 HIGH 1ST HIGH VALUE IS 3109.62315 ON 15022304: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

CTB2 HIGH 1ST HIGH VALUE IS 3426.51101 ON 17010518: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

DST1 HIGH 1ST HIGH VALUE IS 11840.97135 ON 15021008: AT (508368.86,
3604097.54, 207.00, 714.70, 0.00) GC UCART1

HAUL HIGH 1ST HIGH VALUE IS 531.95491 ON 17011708: AT (506868.86,
3603347.54, 184.30, 184.30, 0.00) GC UCART1

HMA1 HIGH 1ST HIGH VALUE IS 136.11854 ON 16011523: AT (508868.86,
3603597.54, 267.40, 714.70, 0.00) GC UCART1

HMA2 HIGH 1ST HIGH VALUE IS 2018.97481 ON 16121122: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

HMA3 HIGH 1ST HIGH VALUE IS 2129.44936 ON 17121308: AT (508368.86,
3603847.54, 202.50, 714.70, 0.00) GC UCART1

HMA4 HIGH 1ST HIGH VALUE IS 131.20880 ON 17010220: AT (508868.86,
3603597.54, 267.40, 714.70, 0.00) GC UCART1

HSI1 HIGH 1ST HIGH VALUE IS 5053.92701 ON 17122021: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

OFFRD HIGH 1ST HIGH VALUE IS 498.56669 ON 16120908: AT (508618.86,
3603597.54, 231.90, 714.70, 0.00) GC UCART1

PLO HIGH 1ST HIGH VALUE IS 1580.10645 ON 15011608: AT (508368.86,
3603847.54, 202.50, 714.70, 0.00) GC UCART1

RAP1 HIGH 1ST HIGH VALUE IS 1865.27433 ON 17032007: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

RMP HIGH 1ST HIGH VALUE IS 1258.68446 ON 15032207: AT (508368.86,
3603597.54, 196.20, 714.70, 0.00) GC UCART1

ROAD HIGH 1ST HIGH VALUE IS 716.89302 ON 15121006: AT (508368.86,
3604097.54, 207.00, 714.70, 0.00) GC UCART1

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*** MODELOPTS: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

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

**

DATE

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

SC1 HIGH 1ST HIGH VALUE IS 1996.30692 ON 17121808: AT (508618.86,
3603597.54, 231.90, 714.70, 0.00) GC UCART1

SC2 HIGH 1ST HIGH VALUE IS 4975.84060 ON 17020717: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

SC3 HIGH 1ST HIGH VALUE IS 4248.80944 ON 15121507: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

SC4 HIGH 1ST HIGH VALUE IS 4337.64172 ON 17022520: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

SC5 HIGH 1ST HIGH VALUE IS 3577.98877 ON 16121203: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

SC6 HIGH 1ST HIGH VALUE IS 3682.11730 ON 15013018: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

SC7 HIGH 1ST HIGH VALUE IS 3741.89251 ON 16090406: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

SP1 HIGH 1ST HIGH VALUE IS 1350.41106 ON 16090705: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

SP10 HIGH 1ST HIGH VALUE IS 3440.46667 ON 15012708: AT (508368.86,
3603847.54, 202.50, 714.70, 0.00) GC UCART1

SP11 HIGH 1ST HIGH VALUE IS 4174.68810 ON 16123020: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

SP15 HIGH 1ST HIGH VALUE IS 3494.58709 ON 16120708: AT (508368.86,
3603847.54, 202.50, 714.70, 0.00) GC UCART1

SP16 HIGH 1ST HIGH VALUE IS 3466.51739 ON 15012220: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

Otay Hills Quarry AERMOD Output File (HRA)

SP17 HIGH 1ST HIGH VALUE IS 3108.04344 ON 17032207: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

SP18 HIGH 1ST HIGH VALUE IS 2408.99916 ON 17013108: AT (508368.86,
3603847.54, 202.50, 714.70, 0.00) GC UCART1

SP2 HIGH 1ST HIGH VALUE IS 1970.14008 ON 15101307: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

SP6 HIGH 1ST HIGH VALUE IS 2796.99044 ON 15013107: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

SP7 HIGH 1ST HIGH VALUE IS 2708.56473 ON 17121208: AT (508368.86,
3603847.54, 202.50, 714.70, 0.00) GC UCART1

SP8 HIGH 1ST HIGH VALUE IS 2763.70918 ON 17121208: AT (508368.86,
3603847.54, 202.50, 714.70, 0.00) GC UCART1

SP9 HIGH 1ST HIGH VALUE IS 3399.48520 ON 15012708: AT (508368.86,
3603847.54, 202.50, 714.70, 0.00) GC UCART1

TC5 HIGH 1ST HIGH VALUE IS 2114.23140 ON 17020717: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TC6 HIGH 1ST HIGH VALUE IS 5070.27413 ON 15022806: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TC7 HIGH 1ST HIGH VALUE IS 4962.31991 ON 15022806: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP10 HIGH 1ST HIGH VALUE IS 5086.63614 ON 15011320: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP11 HIGH 1ST HIGH VALUE IS 4928.43898 ON 17022601: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP12 HIGH 1ST HIGH VALUE IS 4385.47990 ON 15121507: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

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

**

DATE

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

TP13 HIGH 1ST HIGH VALUE IS 3940.56379 ON 15022202: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP14 HIGH 1ST HIGH VALUE IS 3836.49736 ON 15121020: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP15 HIGH 1ST HIGH VALUE IS 3604.75966 ON 16121203: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP16 HIGH 1ST HIGH VALUE IS 3738.50855 ON 16122817: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP17 HIGH 1ST HIGH VALUE IS 5801.22349 ON 17022520: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP18 HIGH 1ST HIGH VALUE IS 5726.94960 ON 15022806: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP19 HIGH 1ST HIGH VALUE IS 3728.27798 ON 16090406: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP2 HIGH 1ST HIGH VALUE IS 1877.99127 ON 15021419: AT (508618.86,
3603597.54, 231.90, 714.70, 0.00) GC UCART1

TP20 HIGH 1ST HIGH VALUE IS 3380.60564 ON 15101823: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP21 HIGH 1ST HIGH VALUE IS 3717.35585 ON 16010423: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP22 HIGH 1ST HIGH VALUE IS 2514.20327 ON 15121020: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP23 HIGH 1ST HIGH VALUE IS 2482.01115 ON 16120121: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP3 HIGH 1ST HIGH VALUE IS 2340.06946 ON 17020508: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP4 HIGH 1ST HIGH VALUE IS 3055.88245 ON 16120221: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP5 HIGH 1ST HIGH VALUE IS 3002.56421 ON 17120708: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP6 HIGH 1ST HIGH VALUE IS 3467.68867 ON 17040622: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP7 HIGH 1ST HIGH VALUE IS 2213.18752 ON 16122307: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP8 HIGH 1ST HIGH VALUE IS 3287.21851 ON 15101823: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

TP9 HIGH 1ST HIGH VALUE IS 4892.31925 ON 17020717: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

ALL HIGH 1ST HIGH VALUE IS 65267.60699 ON 16013022: AT (508618.86,
3603847.54, 215.80, 714.70, 0.00) GC UCART1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ_U*

Otay Hills Quarry AERMOD Output File (HRA)

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

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

A Total of 0 Fatal Error Message(s)
A Total of 71 Warning Message(s)
A Total of 650 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 408 Calm Hours Identified

A Total of 242 Missing Hours Identified (0.92 Percent)

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

***** WARNING MESSAGES *****

ME W187 1382 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
OU W565 1463 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1464 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1465 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1466 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1467 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1468 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1469 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1470 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1471 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1472 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1473 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1474 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1475 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1476 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1477 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1478 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1479 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1480 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1481 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1482 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
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OU W565 1484 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE

OU W565 1485 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
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OU W565 1486 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
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OU W565 1487 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1488 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1489 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1490 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1491 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1492 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1493 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1494 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1495 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1496 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1497 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1498 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1499 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1500 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1501 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1502 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1503 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1504 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1505 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1506 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1507 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1508 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1509 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1510 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1511 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1512 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1513 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1514 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1515 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1516 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE
OU W565 1517 PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE

Otay Hills Quarry AERMOD Output File (HRA)

OU W565	1518	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1519	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1520	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1521	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1522	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1523	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1524	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1525	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1526	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1527	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1528	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1529	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1530	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1531	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		
OU W565	1532	PERPLT: Possible Conflict With Dynamically Allocated FUNIT
PLOTFILE		

*** AERMOD Finishes Successfully ***

APPENDIX E

OBODM DISPERSION MODELING DATA FILES

Table 1

- Program Input Data -

- Program Models Selected -

- Concentration
- Time-average concentration
- Using final cloud rise ht. for all calc. distances.
- Flat terrain is assumed.
- Grid system origin is not added to source rectangular coordinates
- Instantaneous sources can use both stable and adiabatic plume rise.
- Grid receptor system is ----- Polar

- Print Output Options -

- Print and save data using Detailed processing mode
- Print concentration output units ----- Micrograms/Cubic Meter

- Receptor Grid System Geometry -

Grid system orientation angle (Degrees) ----- .0
 Receptor X coordinate units ----- Meters
 Y coordinate units ----- Degrees
 Z coordinate units ----- Meters
 X origin ----- .00
 Y origin ----- .00
 X Axis of the grid system (Meters)----- .00, 100.00,
 200.00, 300.00, 400.00, 500.00, 600.00, 700.00,
 800.00, 900.00, 1000.00, 1100.00, 1200.00, 1300.00,
 1400.00, 1500.00, 1600.00, 1700.00, 1800.00, 1900.00,
 2000.00, 2100.00, 2200.00, 2300.00, 2400.00, 2500.00,
 2600.00, 2700.00, 2800.00, 2900.00, 3000.00, 3100.00,
 3200.00, 3300.00, 3400.00, 3500.00, 3600.00, 3700.00,
 3800.00, 3900.00, 4000.00, 4100.00, 4200.00, 4300.00,
 4400.00, 4500.00, 4600.00, 4700.00, 4800.00, 4900.00,
 5000.00,
 Y Axis of the grid system (Degrees)----- .00, 10.00,
 20.00, 30.00, 40.00, 50.00, 60.00, 70.00,
 80.00, 90.00, 100.00, 110.00, 120.00, 130.00,
 140.00, 150.00, 160.00, 170.00, 180.00, 190.00,
 200.00, 210.00, 220.00, 230.00, 240.00, 250.00,
 260.00, 270.00, 280.00, 290.00, 300.00, 310.00,
 320.00, 330.00, 340.00, 350.00, 360.00,

- Source Geometry/Emission Strength -

Material or fuel/explosive ----- ANFO
 Pollutant/species ----- CO
 Total number of sources ----- 1

Source Number	Ident	Reference System	Source Type	Emission Type
1	ANFO CO	Polar	Volume	Instantaneous

Table 1 (cont.)

- Program Input Data -

OBODM CO.txt

- Source Geometry/Emission Strength -

Source Number	X Coordinate	Y Coordinate	Z Elevation	Release Height	Emission Strength
1	.0 m	.0 d	.0 m	20.1~ m	1.00000E+04 lb

~ Means the value is defaulted for each hour of met. data.

Source Rect. Expan. Dist. / Reference Dist. /Air Entrain-/Dispersion Coeff.
 Number Crosswind Vertical/Crosswind Vertical/ment Coeff. /Crosswind Vertical

1	50.00 m	50.00 m	.00 m	.00 m	.640	1.000
---	---------	---------	-------	-------	------	-------

Source Number	Fuel Heat Content	Fuel Burn Rate	Fuel Burn Time	Initial Diameter
1	880.0 ca/g	1814370.0 g/s	2.5 s	40.12~ m

~ Means the value is defaulted for each hour of met. data.

- Pollutant/Species Material Characteristics -

Pollutant/species name	CO
Pollutant/species is	Gaseous
Particle material half-life	infinite
Molecular weight (g/g-mol)	28.0
Density of species (g/m**3)	1.0
Ratio of mass of pollutant/species (lb)	67.0
per mass of fuel or explosive (lb)	2000.0

- Meteorological Data -
 ([#-#] min-max limits)

Year [1900-2099]	2008
Month [1-12]	5
Day [1-31]	11
Hour (DST) [00-23]	1100
Minute	44
Julian day [1- 1]	132
Surface pressure (mb) [600.0-1100.0]	1000.00
Cloud cover (8ths) [0-8]	.00
Cloud ceiling (m) [.0-20000.0]	9999.00
Net radiation index [-2- 4]	0.
Pasquill stability category [A-F]	D

OBODM 1.3 ANFO CO 11/13/2012 pg 3

Table 1 (cont.)

- Program Input Data -

- Meteorological Data -
 ([#-#] min-max limits)

Wind speed reference height (m)	10.00
Surface roughness length (cm) [.00-100.00]	.000
Vertical grad. of pot. temp. (C/m) [-5.000- 5.000]	.0
Reference wind speed (m/s) [1.0- 50.0]	5.000
Minimum (at 2m) wind speed (m/s)	4.257
Air temperature (C) [-60.0- 60.0]	20.000

OBODM CO.txt

```

Standard dev. of wind direction angle ( d) [ 1.0000-80.0000]----- 8.0000
Standard dev. wind elevation angle ( d) [ 1.0000-50.0000]----- 4.8000
Longitudinal turbulence intensity ( d) [ 1.0000-106.4000]----- 10.6400
Measurement time for std. dev. wind dir. angle ( s) [ 2.5-3600.0]- 600.00
Air humidity (%) ( .0-100.0)----- 50.0
Surface mixing layer height ( m) [ 1.0-20000.0]----- 300.00
Wind direction (From) (deg) [ .0- 360.0]----- 270.0
Wind-direction shear ( d/m) [ -45.0- 45.0]----- .00
Wind-speed power law exponent [ .000-5.000]----- .1
Wind-speed shear ( m/s) [ .00- 20.00]----- Compute

```

- Other Required Data -

```

Averaging time ( s) (time-average con.) ----- 3600.00

```

- Input/Output Files Used -

```

Input save data file name ----- Otay_CO.INP
Output save data file name ----- OtayBCO.INP
Print solution output file name ----- OtayBCO.OUT
Sigma plot output solution file ----- O_BL_CO
♀OBODM 1.3 ANFO CO 11/13/2012 pg 4

```

Table 2

- Maximum Cloud Plume Rise -

Source Number Distance	Name	Release Height	Cloud Rise Height	Total Cloud Height
1 ANFO CO		20.1 m	229.3 m	249.4 m
920.7 m				

♀OBODM 1.3 ANFO CO 11/13/2012 pg 5

Table 3

CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

		- X Axis (Meters) -			
		.000	100.000	200.000	300.000
Y Axis (Degrees)		- Concentration -			
360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000

OBODM CO.txt				
180.000	.000000	49.3042	4.07973	.641030E-01
170.000	.000000	58.9601	7.49047	.278957
160.000	.000000	72.3702	14.6610	1.24097
150.000	.000000	89.8628	28.9722	5.10553
140.000	.000000	111.204	55.1952	18.1277
130.000	.000000	135.221	97.7068	53.1015
120.000	.000000	159.579	156.296	124.823
110.000	.000000	180.949	221.468	231.702
100.000	.000000	195.703	274.337	336.722
90.000	.000000	200.984	294.867	381.553
80.000	.000000	195.703	274.337	336.722
70.000	.000000	180.949	221.468	231.702
60.000	.000000	159.579	156.295	124.823
50.000	.000000	135.221	97.7067	53.1014
40.000	.000000	111.204	55.1952	18.1277
30.000	.000000	89.8627	28.9721	5.10552
20.000	.000000	72.3702	14.6610	1.24097
10.000	.000000	58.9601	7.49045	.278956
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	400.000	500.000	600.000	700.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO CO		11/13/2012 pg 6
Table 3 (cont.)				
CO Peak Concentration (Micrograms/Cubic Meter)				
(Maximum = 576.46 at x = 800.00, Y = 90.00)				
- X Axis (Meters) -				
	400.000	500.000	600.000	700.000
Y Axis (Degrees)	- Concentration -			

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.191260E-03	.108360E-06	.116577E-10	.238153E-15
170.000	.357767E-02	.181947E-04	.415225E-07	.474026E-10
160.000	.543608E-01	.145535E-02	.271157E-04	.389335E-06
150.000	.604296	.555000E-01	.438015E-02	.319487E-03
140.000	4.67367	1.05580	.224535	.471273E-01
130.000	24.6959	10.6255	4.43189	1.83612
120.000	89.0653	59.8734	39.1045	25.2918
110.000	220.675	198.368	172.717	147.349

OBODM CO.txt				
100.000	378.732	401.458	409.907	406.805
90.000	453.090	506.618	544.367	566.859
80.000	378.731	401.458	409.907	406.805
70.000	220.675	198.368	172.716	147.349
60.000	89.0651	59.8732	39.1043	25.2917
50.000	24.6958	10.6255	4.43187	1.83611
40.000	4.67365	1.05579	.224533	.471268E-01
30.000	.604293	.554995E-01	.438013E-02	.319484E-03
20.000	.543607E-01	.145534E-02	.271155E-04	.389330E-06
10.000	.357764E-02	.181945E-04	.415220E-07	.474014E-10
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO CO		11/13/2012 pg 7

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

		- X Axis (Meters) -		
	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Concentration -			

340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218229E-19	.218229E-19
170.000	.297849E-13	.112055E-16	.521491E-19	.552713E-19
160.000	.466834E-08	.498112E-10	.497447E-12	.484146E-14
150.000	.227001E-04	.163236E-05	.118813E-06	.904291E-08
140.000	.992591E-02	.215199E-02	.485839E-03	.115001E-03
130.000	.770109	.330318	.145725	.663202E-01
120.000	16.3735	10.6805	7.04704	4.71312
110.000	124.246	104.129	87.0560	72.7817
100.000	395.509	378.769	358.715	336.927
90.000	576.457	575.661	566.820	552.004
80.000	395.508	378.768	358.714	336.927
70.000	124.246	104.128	87.0556	72.7813
60.000	16.3734	10.6804	7.04700	4.71309
50.000	.770103	.330315	.145724	.663195E-01
40.000	.992580E-02	.215196E-02	.485831E-03	.114999E-03
30.000	.226998E-04	.163233E-05	.118810E-06	.904267E-08

OBODM CO.txt				
20.000	.466825E-08	.498098E-10	.497431E-12	.484129E-14
10.000	.297839E-13	.112051E-16	.521490E-19	.552712E-19
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO CO		11/13/2012 pg 8	

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Concentration -			

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218229E-19	.218229E-19
170.000	.583546E-19	.613881E-19	.643625E-19	.672688E-19
160.000	.474633E-16	.482452E-18	.957596E-19	.988432E-19
150.000	.728169E-09	.625150E-10	.574954E-11	.567985E-12
140.000	.286467E-04	.752149E-05	.208189E-05	.607026E-06
130.000	.311737E-01	.151357E-01	.758626E-02	.392123E-02
120.000	3.19854	2.20341	1.54068	1.09311
110.000	60.9455	51.1711	43.1101	36.4588
100.000	314.539	292.336	270.839	250.378
90.000	532.956	511.094	487.542	463.168
80.000	314.539	292.335	270.838	250.377
70.000	60.9452	51.1708	43.1098	36.4586
60.000	3.19852	2.20340	1.54067	1.09310
50.000	.311733E-01	.151355E-01	.758616E-02	.392117E-02
40.000	.286463E-04	.752134E-05	.208185E-05	.607012E-06
30.000	.728156E-09	.625131E-10	.574936E-11	.567959E-12
20.000	.474615E-16	.482426E-18	.957596E-19	.988431E-19
10.000	.583545E-19	.613881E-19	.643624E-19	.672688E-19
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	- Concentration -			

OBODM CO.txt

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000

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Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

		- X Axis (Meters) -		
		1600.000	1700.000	1800.000
Y Axis (Degrees)		Concentration		
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218229E-19	.218229E-19
170.000	.700996E-19	.728480E-19	.755081E-19	.780746E-19
160.000	.101545E-18	.103878E-18	.105857E-18	.107498E-18
150.000	.603355E-13	.689200E-14	.845854E-15	.111387E-15
140.000	.186192E-06	.599731E-07	.202465E-07	.714885E-08
130.000	.208755E-02	.114307E-02	.642853E-03	.370793E-03
120.000	.786574	.573718	.423912	.317130
110.000	30.9613	26.4058	22.6215	19.4643
100.000	231.140	213.238	196.668	181.419
90.000	438.629	414.454	390.929	368.320
80.000	231.140	213.237	196.667	181.418
70.000	30.9611	26.4057	22.6214	19.4642
60.000	.786567	.573712	.423908	.317127
50.000	.208752E-02	.114305E-02	.642843E-03	.370786E-03
40.000	.186188E-06	.599720E-07	.202459E-07	.714866E-08
30.000	.603329E-13	.689166E-14	.845815E-15	.111381E-15
20.000	.101545E-18	.103878E-18	.105857E-18	.107498E-18
10.000	.700996E-19	.728480E-19	.755080E-19	.780745E-19
.000	.000000	.000000	.000000	.000000

		- X Axis (Meters) -		
		2000.000	2100.000	2200.000
Y Axis (Degrees)		Concentration		
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000

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OBODM CO.txt

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

		- X Axis (Meters) -			
		2000.000	2100.000	2200.000	2300.000
Y Axis	(Degrees)	- Concentration			-

310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218229E-19	.218229E-19	.218229E-19
170.000	.805429E-19	.829088E-19	.851681E-19	.873165E-19	.873165E-19
160.000	.108820E-18	.109842E-18	.110583E-18	.111063E-18	.111063E-18
150.000	.157103E-16	.236842E-17	.380819E-18	.104714E-18	.104714E-18
140.000	.263452E-08	.101118E-08	.403405E-09	.166943E-09	.166943E-09
130.000	.219042E-03	.132349E-03	.816949E-04	.514485E-04	.514485E-04
120.000	.240036	.183719	.142112	.111038	.111038
110.000	16.8218	14.6015	12.7291	11.1438	11.1438
100.000	167.441	154.664	143.010	132.395	132.395
90.000	346.781	326.403	307.228	289.262	289.262
80.000	167.440	154.664	143.010	132.395	132.395
70.000	16.8216	14.6015	12.7290	11.1437	11.1437
60.000	.240033	.183717	.142110	.111036	.111036
50.000	.219038E-03	.132346E-03	.816932E-04	.514475E-04	.514475E-04
40.000	.263444E-08	.101116E-08	.403393E-09	.166938E-09	.166938E-09
30.000	.157095E-16	.236832E-17	.380798E-18	.104714E-18	.104714E-18
20.000	.108820E-18	.109842E-18	.110583E-18	.111063E-18	.111063E-18
10.000	.805427E-19	.829086E-19	.851680E-19	.873164E-19	.873164E-19
.000	.000000	.000000	.000000	.000000	.000000

		- X Axis (Meters) -			
		2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)		- Concentration			-

360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000

OBODM 1.3

ANFO CO

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Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

OBODM CO.txt				
- X Axis (Meters) -				
2400.000		2500.000	2600.000	2700.000
Y Axis (Degrees)	- Concentration -			
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218229E-19	.218230E-19
170.000	.893472E-19	.912466E-19	.930140E-19	.947868E-19
160.000	.111302E-18	.111318E-18	.111129E-18	.110754E-18
150.000	.102794E-18	.100739E-18	.985773E-19	.963352E-19
140.000	.715314E-10	.316758E-10	.144731E-10	.681136E-11
130.000	.330207E-04	.215763E-04	.143389E-04	.968277E-05
120.000	.875906E-01	.697245E-01	.559832E-01	.453203E-01
110.000	9.79641	8.64688	7.66239	6.81606
100.000	122.735	113.947	105.952	98.6772
90.000	272.482	256.849	242.312	228.809
80.000	122.735	113.946	105.952	98.6769
70.000	9.79634	8.64682	7.66233	6.81602
60.000	.875896E-01	.697236E-01	.559826E-01	.453197E-01
50.000	.330200E-04	.215758E-04	.143386E-04	.968253E-05
40.000	.715284E-10	.316746E-10	.144726E-10	.681115E-11
30.000	.102794E-18	.100739E-18	.985773E-19	.963352E-19
20.000	.111302E-18	.111318E-18	.111129E-18	.110754E-18
10.000	.893472E-19	.912465E-19	.930140E-19	.947867E-19
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
2800.000		2900.000	3000.000	3100.000
Y Axis (Degrees)	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO CO			

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Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
2800.000		2900.000	3000.000	3100.000
Y Axis (Degrees)	- Concentration -			
290.000	.000000	.000000	.000000	.000000

OBODM CO.txt				
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218229E-19	.218229E-19	.218230E-19	.218230E-19
170.000	.964584E-19	.980298E-19	.995020E-19	.100876E-18
160.000	.110210E-18	.109512E-18	.108677E-18	.107718E-18
150.000	.940346E-19	.916951E-19	.893335E-19	.869645E-19
140.000	.329693E-11	.163895E-11	.835607E-12	.436393E-12
130.000	.663824E-05	.461670E-05	.325466E-05	.232416E-05
120.000	.369757E-01	.303923E-01	.251581E-01	.209660E-01
110.000	6.08580	5.45336	4.90365	4.42414
100.000	92.0529	86.0159	80.5081	75.4770
90.000	216.276	204.648	193.858	183.843
80.000	92.0526	86.0155	80.5078	75.4768
70.000	6.08575	5.45331	4.90361	4.42411
60.000	.369751E-01	.303918E-01	.251577E-01	.209657E-01
50.000	.663813E-05	.461661E-05	.325458E-05	.232410E-05
40.000	.329682E-11	.163887E-11	.835572E-12	.436371E-12
30.000	.940347E-19	.916951E-19	.893336E-19	.869646E-19
20.000	.110210E-18	.109512E-18	.108677E-18	.107718E-18
10.000	.964583E-19	.980297E-19	.995019E-19	.100876E-18
.000	.000000	.000000	.000000	.000000
		- X Axis (Meters) -		
	3200.000	3300.000	3400.000	3500.000
Y Axis (Degrees)		-	Concentration	-

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO CO		11/13/2012 pg 13

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

		- X Axis (Meters) -		
		3200.000	3300.000	3400.000
		3500.000		
Y Axis (Degrees)	-	Concentration		-

280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000

OBODM CO.txt				
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218230E-19	.218230E-19	.218230E-19	.218230E-19
170.000	.102155E-18	.103339E-18	.104431E-18	.105432E-18
160.000	.106650E-18	.105485E-18	.104235E-18	.102910E-18
150.000	.846006E-19	.822589E-19	.799377E-19	.776495E-19
140.000	.233170E-12	.127318E-12	.709716E-13	.403479E-13
130.000	.168009E-05	.122866E-05	.908472E-06	.678802E-06
120.000	.175848E-01	.148390E-01	.125950E-01	.107496E-01
110.000	4.00442	3.63575	3.31083	3.02929
100.000	70.8749	66.8018	62.8901	59.3054
90.000	174.543	166.203	158.072	150.523
80.000	70.8747	66.8015	62.8898	59.3052
70.000	4.00438	3.63572	3.31081	3.02927
60.000	.175845E-01	.148388E-01	.125948E-01	.107494E-01
50.000	.168004E-05	.122862E-05	.908455E-06	.678784E-06
40.000	.233159E-12	.127314E-12	.709692E-13	.403459E-13
30.000	.846006E-19	.822589E-19	.799378E-19	.776496E-19
20.000	.106650E-18	.105485E-18	.104235E-18	.102911E-18
10.000	.102155E-18	.103339E-18	.104430E-18	.105432E-18
.000	.000000	.000000	.000000	.000000
	3600.000	- X Axis (Meters) -	3800.000	3900.000
Y Axis (Degrees)	-	Concentration	-	-

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO CO		11/13/2012 pg 14

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

	3600.000	- X Axis (Meters) -	3800.000	3900.000
Y Axis (Degrees)	-	Concentration	-	-

270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218230E-19	.218230E-19	.218230E-19	.218230E-19
170.000	.106345E-18	.107173E-18	.107918E-18	.108581E-18
160.000	.101522E-18	.100080E-18	.985915E-19	.970655E-19
150.000	.754005E-19	.731958E-19	.710397E-19	.689353E-19
140.000	.233718E-13	.137821E-13	.826671E-14	.503977E-14
130.000	.512268E-06	.390272E-06	.300024E-06	.232636E-06

OBODM CO.txt				
120.000	.922301E-02	.795304E-02	.690379E-02	.600634E-02
110.000	2.77268	2.54474	2.34160	2.15997
100.000	56.0129	52.9822	50.1866	47.6027
90.000	143.502	136.961	130.857	125.153
80.000	56.0127	52.9820	50.1864	47.6025
70.000	2.77265	2.54472	2.34158	2.15995
60.000	.922286E-02	.795292E-02	.690368E-02	.600624E-02
50.000	.512255E-06	.390262E-06	.300016E-06	.232628E-06
40.000	.233706E-13	.137815E-13	.826640E-14	.503952E-14
30.000	.754005E-19	.731958E-19	.710397E-19	.689354E-19
20.000	.101522E-18	.100080E-18	.985916E-19	.970655E-19
10.000	.106345E-18	.107173E-18	.107917E-18	.108581E-18
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	4000.000	4100.000	4200.000	4300.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO CO			

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Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	4000.000	4100.000	4200.000	4300.000
Y Axis (Degrees)	- Concentration -			

260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218230E-19	.218230E-19	.218230E-19	.218230E-19
170.000	.109166E-18	.109676E-18	.110112E-18	.110477E-18
160.000	.955089E-19	.939285E-19	.923303E-19	.907198E-19
150.000	.668853E-19	.648915E-19	.629550E-19	.610766E-19
140.000	.312050E-14	.196100E-14	.124990E-14	.807542E-15
130.000	.181867E-06	.143293E-06	.114013E-06	.911022E-07
120.000	.524886E-02	.460629E-02	.405865E-02	.358978E-02
110.000	1.99709	1.85058	1.71843	1.59893
100.000	45.2100	42.9904	40.9277	39.0078
90.000	119.813	114.808	110.111	105.696
80.000	45.2099	42.9902	40.9276	39.0076
70.000	1.99707	1.85056	1.71842	1.59892
60.000	.524878E-02	.460622E-02	.405858E-02	.358971E-02
50.000	.181862E-06	.143289E-06	.114010E-06	.910993E-07

OBODM CO.txt				
40.000	.312036E-14	.196090E-14	.124985E-14	.807512E-15
30.000	.668854E-19	.648915E-19	.629550E-19	.610766E-19
20.000	.955090E-19	.939285E-19	.923304E-19	.907199E-19
10.000	.109166E-18	.109676E-18	.110112E-18	.110477E-18
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	4400.000	4500.000	4600.000	4700.000
Y Axis (Degrees)	- Concentration			-

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO CO			11/13/2012 pg 16

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	4400.000	4500.000	4600.000	4700.000
Y Axis (Degrees)	- Concentration -			
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.218230E-19	.218230E-19	.218231E-19	.218231E-19
170.000	.110774E-18	.111006E-18	.111175E-18	.111283E-18
160.000	.891020E-19	.874813E-19	.858619E-19	.842473E-19
150.000	.592566E-19	.574950E-19	.557913E-19	.541449E-19
140.000	.528547E-15	.350264E-15	.234891E-15	.159325E-15
130.000	.732988E-07	.593633E-07	.483795E-07	.396643E-07
120.000	.318660E-02	.283850E-02	.253677E-02	.227425E-02
110.000	1.49059	1.39212	1.30243	1.22054
100.000	37.2178	35.5465	33.9837	32.5203
90.000	101.541	97.6265	93.9340	90.4472
80.000	37.2176	35.5463	33.9835	32.5201
70.000	1.49057	1.39211	1.30242	1.22053
60.000	.318655E-02	.283845E-02	.253673E-02	.227421E-02
50.000	.732966E-07	.593616E-07	.483782E-07	.396631E-07
40.000	.528523E-15	.350246E-15	.234878E-15	.159315E-15
30.000	.592566E-19	.574950E-19	.557913E-19	.541449E-19
20.000	.891021E-19	.874814E-19	.858620E-19	.842474E-19
10.000	.110774E-18	.111006E-18	.111175E-18	.111283E-18
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	4800.000	4900.000	5000.000	

OBODM CO.txt			
Y Axis (Degrees)	-	Concentration	-

360.000	.000000	.000000	.000000
350.000	.000000	.000000	.000000
340.000	.000000	.000000	.000000
330.000	.000000	.000000	.000000
320.000	.000000	.000000	.000000
310.000	.000000	.000000	.000000
300.000	.000000	.000000	.000000
290.000	.000000	.000000	.000000
280.000	.000000	.000000	.000000
270.000	.000000	.000000	.000000
260.000	.000000	.000000	.000000
250.000	.000000	.000000	.000000
OBODM 1.3		ANFO CO	11/13/2012 pg 17

Table 3 (cont.)
CO Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 576.46 at x = 800.00, Y = 90.00)

- X Axis (Meters) -			
4800.000	4900.000	5000.000	
Y Axis (Degrees)	-	Concentration	-

240.000	.000000	.000000	.000000
230.000	.000000	.000000	.000000
220.000	.000000	.000000	.000000
210.000	.000000	.000000	.000000
200.000	.000000	.000000	.000000
190.000	.000000	.000000	.000000
180.000	.218231E-19	.218231E-19	.218231E-19
170.000	.111333E-18	.111327E-18	.111268E-18
160.000	.826470E-19	.810529E-19	.794726E-19
150.000	.525549E-19	.510203E-19	.495398E-19
140.000	.109255E-15	.757087E-16	.531193E-16
130.000	.327053E-07	.271149E-07	.225976E-07
120.000	.204502E-02	.184417E-02	.166762E-02
110.000	1.14563	1.07695	1.01387
100.000	31.1482	29.8600	28.6491
90.000	87.1510	84.0318	81.0771
80.000	31.1481	29.8599	28.6490
70.000	1.14562	1.07694	1.01386
60.000	.204499E-02	.184415E-02	.166759E-02
50.000	.327043E-07	.271140E-07	.225969E-07
40.000	.109248E-15	.757047E-16	.531167E-16
30.000	.525549E-19	.510203E-19	.495398E-19
20.000	.826470E-19	.810529E-19	.794726E-19
10.000	.111333E-18	.111327E-18	.111268E-18
.000	.000000	.000000	.000000
OBODM 1.3		ANFO CO	11/13/2012 pg 18

Table 4
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -			
.000	100.000	200.000	300.000
Y Axis (Degrees)	-	Time-Average Concentration	-

OBODM CO.txt

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.000000	.398696	.329906E-01	.518366E-03
170.000	.000000	.492088	.644681E-01	.247383E-02
160.000	.000000	.622293	.133629	.119559E-01
150.000	.000000	.794079	.277975	.529006E-01
140.000	.000000	1.00664	.553685	.199885
130.000	.000000	1.24928	1.01722	.616376
120.000	.000000	1.49854	1.67560	1.50838
110.000	.000000	1.71950	2.42508	2.88212
100.000	.000000	1.87315	3.04267	4.26216
90.000	.000000	1.92835	3.28439	4.85786
80.000	.000000	1.87315	3.04267	4.26216
70.000	.000000	1.71950	2.42508	2.88212
60.000	.000000	1.49854	1.67560	1.50838
50.000	.000000	1.24928	1.01722	.616375
40.000	.000000	1.00664	.553684	.199885
30.000	.000000	.794078	.277974	.529004E-01
20.000	.000000	.622293	.133629	.119558E-01
10.000	.000000	.492088	.644680E-01	.247383E-02
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

OBODM 1.3 360.000 .000000 .000000 .000000 .000000
11/13/2012 pg 19

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

OBODM CO.txt				
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.154661E-05	.876245E-09	.942695E-13	.192581E-17
170.000	.326662E-04	.170921E-06	.401043E-09	.470422E-12
160.000	.552206E-03	.155527E-04	.304244E-06	.457840E-08
150.000	.673097E-02	.661990E-03	.557673E-04	.433076E-05
140.000	.562765E-01	.138114E-01	.317933E-02	.721786E-03
130.000	.317004	.149970	.685359E-01	.305549E-01
120.000	1.20197	.898130	.640754	.448089
110.000	3.08768	3.09875	2.94740	2.72740
100.000	5.41668	6.41035	7.16561	7.72746
90.000	6.52810	8.14862	9.59240	10.8605
80.000	5.41668	6.41035	7.16560	7.72745
70.000	3.08768	3.09874	2.94740	2.72739
60.000	1.20197	.898127	.640752	.448087
50.000	.317003	.149969	.685355E-01	.305548E-01
40.000	.562763E-01	.138113E-01	.317931E-02	.721779E-03
30.000	.673094E-02	.661984E-03	.557669E-04	.433071E-05
20.000	.552205E-03	.155526E-04	.304241E-06	.457834E-08
10.000	.326660E-04	.170919E-06	.401038E-09	.470410E-12
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO CO		

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Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -				
	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Time-Average Concentration -			

340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000

OBODM CO.txt				
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176470E-21	.176470E-21	.176470E-21	.176470E-21
170.000	.303527E-15	.117193E-18	.559435E-21	.607876E-21
160.000	.574461E-10	.640530E-12	.667689E-14	.677700E-16
150.000	.327062E-06	.250019E-07	.191103E-08	.152397E-09
140.000	.161822E-03	.372096E-04	.888069E-05	.221581E-05
130.000	.137222E-01	.627493E-02	.294004E-02	.141621E-02
120.000	.311892	.217680	.153020	.108625
110.000	2.47937	2.22851	1.98908	1.76826
100.000	8.11217	8.34299	8.44522	8.44333
90.000	11.9314	12.8010	13.4772	13.9752
80.000	8.11215	8.34298	8.44521	8.44331
70.000	2.47936	2.22850	1.98907	1.76825
60.000	.311890	.217679	.153019	.108625
50.000	.137221E-01	.627488E-02	.294001E-02	.141620E-02
40.000	.161820E-03	.372091E-04	.888056E-05	.221577E-05
30.000	.327057E-06	.250014E-07	.191098E-08	.152393E-09
20.000	.574449E-10	.640511E-12	.667668E-14	.677676E-16
10.000	.303517E-15	.117188E-18	.559434E-21	.607874E-21
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO CO		11/13/2012 pg 21	

OBODM 1.3

ANFO CO

11/13/2012 pg

21

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -				
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Time-Average Concentration -			

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176470E-21	.176470E-21	.176470E-21	.176470E-21
170.000	.657649E-21	.708616E-21	.760645E-21	.813604E-21
160.000	.692554E-18	.734397E-20	.150909E-20	.160962E-20
150.000	.128312E-10	.114965E-11	.110156E-12	.113190E-13
140.000	.580291E-06	.159802E-06	.462922E-07	.140984E-07

OBODM CO.txt				
130.000	.702454E-03	.358916E-03	.188845E-03	.102239E-03
120.000	.779842E-01	.566611E-01	.416746E-01	.310267E-01
110.000	1.56891	1.39138	1.23462	1.09693
100.000	8.35949	8.21300	8.02012	7.79426
90.000	14.3141	14.5144	14.5970	14.5811
80.000	8.35948	8.21298	8.02010	7.79424
70.000	1.56890	1.39137	1.23461	1.09693
60.000	.779837E-01	.566607E-01	.416742E-01	.310264E-01
50.000	.702445E-03	.358911E-03	.188843E-03	.102237E-03
40.000	.580282E-06	.159799E-06	.462911E-07	.140981E-07
30.000	.128310E-10	.114962E-11	.110152E-12	.113185E-13
20.000	.692527E-18	.734357E-20	.150909E-20	.160961E-20
10.000	.657647E-21	.708615E-21	.760644E-21	.813603E-21
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO CO		11/13/2012 pg 22	

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

- X Axis (Meters) -				
	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	- Time-Average Concentration -			
	-----	-----	-----	-----
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176470E-21	.176470E-21	.176470E-21	.176470E-21
170.000	.867367E-21	.921813E-21	.976828E-21	.103231E-20
160.000	.170698E-20	.180081E-20	.189077E-20	.197662E-20
150.000	.124881E-14	.147953E-15	.188093E-16	.256267E-17
140.000	.450868E-08	.151165E-08	.530369E-09	.194348E-09
130.000	.568928E-04	.325019E-04	.190377E-04	.114186E-04
120.000	.233759E-01	.178159E-01	.137298E-01	.106947E-01
110.000	.976376	.870969	.778921	.698411
100.000	7.54630	7.28557	7.01804	6.74938
90.000	14.4848	14.3254	14.1151	13.8667
80.000	7.54628	7.28555	7.01802	6.74936
70.000	.976371	.870963	.778916	.698406
60.000	.233757E-01	.178157E-01	.137297E-01	.106946E-01

```

                                OBODM CO.txt
50.000 .568919E-04 .325014E-04 .190374E-04 .114184E-04
40.000 .450859E-08 .151162E-08 .530354E-09 .194343E-09
30.000 .124876E-14 .147946E-15 .188085E-16 .256255E-17
20.000 .170698E-20 .180080E-20 .189077E-20 .197662E-20
10.000 .867365E-21 .921811E-21 .976826E-21 .103230E-20
.000 .000000 .000000 .000000 .000000

                                - X Axis (Meters) -
                                2000.000 2100.000 2200.000 2300.000

Y Axis (Degrees) - Time-Average Concentration -
-----
360.000 .000000 .000000 .000000 .000000
350.000 .000000 .000000 .000000 .000000
340.000 .000000 .000000 .000000 .000000
330.000 .000000 .000000 .000000 .000000
320.000 .000000 .000000 .000000 .000000
OBODM 1.3 ANFO CO 11/13/2012 pg 23

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Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00)

```

                                - X Axis (Meters) -
                                2000.000 2100.000 2200.000 2300.000

Y Axis (Degrees) - Time-Average Concentration -
-----
310.000 .000000 .000000 .000000 .000000
300.000 .000000 .000000 .000000 .000000
290.000 .000000 .000000 .000000 .000000
280.000 .000000 .000000 .000000 .000000
270.000 .000000 .000000 .000000 .000000
260.000 .000000 .000000 .000000 .000000
250.000 .000000 .000000 .000000 .000000
240.000 .000000 .000000 .000000 .000000
230.000 .000000 .000000 .000000 .000000
220.000 .000000 .000000 .000000 .000000
210.000 .000000 .000000 .000000 .000000
200.000 .000000 .000000 .000000 .000000
190.000 .000000 .000000 .000000 .000000
180.000 .176470E-21 .176470E-21 .176470E-21 .176470E-21
170.000 .108815E-20 .114428E-20 .120062E-20 .125712E-20
160.000 .205817E-20 .213529E-20 .220790E-20 .227594E-20
150.000 .373543E-18 .581378E-19 .964129E-20 .273174E-20
140.000 .742314E-10 .294933E-10 .121658E-10 .520004E-11
130.000 .700407E-05 .438827E-05 .280523E-05 .182740E-05
120.000 .841535E-02 .668629E-02 .536180E-02 .433769E-02
110.000 .627965 .566242 .512075 .464450
100.000 6.48363 6.22379 5.97204 5.72985
90.000 13.5905 13.2953 12.9880 12.6746
80.000 6.48361 6.22377 5.97202 5.72983
70.000 .627961 .566238 .512071 .464446
60.000 .841525E-02 .668620E-02 .536173E-02 .433763E-02
50.000 .700394E-05 .438818E-05 .280517E-05 .182736E-05
40.000 .742291E-10 .294925E-10 .121654E-10 .519988E-11
30.000 .373523E-18 .581353E-19 .964074E-20 .273174E-20
20.000 .205817E-20 .213529E-20 .220790E-20 .227594E-20
10.000 .108815E-20 .114428E-20 .120062E-20 .125712E-20
.000 .000000 .000000 .000000 .000000

                                - X Axis (Meters) -

```

OBODM CO.txt				
	2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO CO			11/13/2012 pg 24

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -				
	2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)	- Time-Average Concentration -			

300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176470E-21	.176470E-21	.176470E-21	.176471E-21
170.000	.131378E-20	.137063E-20	.142676E-20	.147923E-20
160.000	.233941E-20	.239835E-20	.245280E-20	.250285E-20
150.000	.276082E-20	.278324E-20	.279947E-20	.281003E-20
140.000	.229897E-11	.104943E-11	.493841E-12	.239163E-12
130.000	.121187E-05	.817339E-06	.560115E-06	.389674E-06
120.000	.353870E-02	.291003E-02	.241130E-02	.201256E-02
110.000	.422492	.385448	.352669	.323596
100.000	5.49819	5.27759	5.06826	4.87016
90.000	12.3597	12.0468	11.7387	11.4375
80.000	5.49817	5.27757	5.06824	4.87014
70.000	.422489	.385446	.352667	.323593
60.000	.353866E-02	.290999E-02	.241127E-02	.201253E-02
50.000	.121184E-05	.817322E-06	.560103E-06	.389665E-06
40.000	.229888E-11	.104939E-11	.493825E-12	.239155E-12
30.000	.276082E-20	.278324E-20	.279947E-20	.281003E-20
20.000	.233941E-20	.239835E-20	.245280E-20	.250284E-20
10.000	.131377E-20	.137063E-20	.142676E-20	.147923E-20
.000	.000000	.000000	.000000	.000000
	- X Axis (Meters) -			
	2800.000	2900.000	3000.000	3100.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000

OBODM CO.txt

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

♀OBODM 1.3 ANFO CO 11/13/2012 pg 25

Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00

		- X Axis (Meters) -				
		2800.000	2900.000	3000.000	3100.000	
Y Axis (Degrees)		- Time-Average Concentration -				

290.000	.000000	.000000	.000000	.000000	.000000	
280.000	.000000	.000000	.000000	.000000	.000000	
270.000	.000000	.000000	.000000	.000000	.000000	
260.000	.000000	.000000	.000000	.000000	.000000	
250.000	.000000	.000000	.000000	.000000	.000000	
240.000	.000000	.000000	.000000	.000000	.000000	
230.000	.000000	.000000	.000000	.000000	.000000	
220.000	.000000	.000000	.000000	.000000	.000000	
210.000	.000000	.000000	.000000	.000000	.000000	
200.000	.000000	.000000	.000000	.000000	.000000	
190.000	.000000	.000000	.000000	.000000	.000000	
180.000	.176471E-21	.176471E-21	.176471E-21	.176471E-21	.176471E-21	
170.000	.153105E-20	.158214E-20	.163244E-20	.168191E-20	.170530E-13	
160.000	.254859E-20	.259014E-20	.262763E-20	.266119E-20	.104518E-06	
150.000	.281539E-20	.281601E-20	.281234E-20	.280479E-20	.104308E-02	
140.000	.119031E-12	.607960E-13	.318247E-13	.170530E-13	.235691	
130.000	.274993E-06	.196704E-06	.142516E-06	.104518E-06	.235689	
120.000	.169139E-02	.143084E-02	.121803E-02	.104306E-02	.104306E-02	
110.000	.297748	.274710	.254127	.235691	.235689	
100.000	4.68306	4.50661	4.34036	4.18379	.104306E-02	
90.000	11.1447	10.8611	10.5876	10.3242	.104515E-06	
80.000	4.68305	4.50660	4.34034	4.18378	.170520E-13	
70.000	.297745	.274708	.254125	.235689	.280479E-20	
60.000	.169136E-02	.143082E-02	.121801E-02	.104306E-02	.266119E-20	
50.000	.274988E-06	.196700E-06	.142513E-06	.104515E-06	.168191E-20	
40.000	.119027E-12	.607932E-13	.318234E-13	.170520E-13	.000000	
30.000	.281539E-20	.281601E-20	.281234E-20	.280479E-20		
20.000	.254859E-20	.259013E-20	.262762E-20	.266119E-20		
10.000	.153104E-20	.158213E-20	.163244E-20	.168191E-20		
.000	.000000	.000000	.000000	.000000		

		- X Axis (Meters) -			
		3200.000	3300.000	3400.000	3500.000
Y Axis (Degrees)		- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000

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Table 4 (cont.)

OBODM CO.txt
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00)

		- X Axis (Meters) -			
		3200.000	3300.000	3400.000	3500.000
Y Axis (Degrees)		- Time-Average Concentration -			

280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.176471E-21	.176471E-21	.176471E-21	.176471E-21	.176471E-21
170.000	.173049E-20	.177812E-20	.182479E-20	.187043E-20	.187043E-20
160.000	.269099E-20	.271717E-20	.273989E-20	.275931E-20	.275931E-20
150.000	.279375E-20	.277983E-20	.276301E-20	.274378E-20	.274378E-20
140.000	.934273E-14	.522764E-14	.298442E-14	.173667E-14	.173667E-14
130.000	.775387E-07	.581563E-07	.440744E-07	.337341E-07	.337341E-07
120.000	.898349E-03	.777902E-03	.677089E-03	.592245E-03	.592245E-03
110.000	.219135	.204231	.190780	.178948	.178948
100.000	4.03637	3.90590	3.77273	3.64780	3.64780
90.000	10.0712	9.84645	9.60858	9.38193	9.38193
80.000	4.03636	3.90588	3.77272	3.64779	3.64779
70.000	.219133	.204229	.190778	.178947	.178947
60.000	.898334E-03	.777890E-03	.677079E-03	.592236E-03	.592236E-03
50.000	.775365E-07	.581547E-07	.440736E-07	.337332E-07	.337332E-07
40.000	.934227E-14	.522746E-14	.298432E-14	.173658E-14	.173658E-14
30.000	.279375E-20	.277983E-20	.276302E-20	.274378E-20	.274378E-20
20.000	.269099E-20	.271717E-20	.273989E-20	.275931E-20	.275931E-20
10.000	.173048E-20	.177812E-20	.182478E-20	.187043E-20	.187043E-20
.000	.000000	.000000	.000000	.000000	.000000

		- X Axis (Meters) -			
		3600.000	3700.000	3800.000	3900.000
Y Axis (Degrees)		- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000

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ANFO CO

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Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00)

		- X Axis (Meters) -			
		3600.000	3700.000	3800.000	3900.000

OBODM CO.txt

Y Axis (Degrees)	- Time-Average Concentration -			
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176471E-21	.176471E-21	.176471E-21	.176471E-21
170.000	.191503E-20	.195855E-20	.200098E-20	.204228E-20
160.000	.277559E-20	.278890E-20	.279939E-20	.280722E-20
150.000	.272244E-20	.269927E-20	.267453E-20	.264846E-20
140.000	.102915E-14	.620541E-15	.380406E-15	.236910E-15
130.000	.260633E-07	.203175E-07	.159738E-07	.126608E-07
120.000	.520462E-03	.459422E-03	.408034E-03	.363018E-03
110.000	.167809	.157703	.148509	.140121
100.000	3.53039	3.41987	3.31568	3.21730
90.000	9.16573	8.95926	8.76190	8.57304
80.000	3.53038	3.41986	3.31566	3.21729
70.000	.167807	.157702	.148507	.140120
60.000	.520453E-03	.459415E-03	.408028E-03	.363012E-03
50.000	.260626E-07	.203170E-07	.159733E-07	.126604E-07
40.000	.102909E-14	.620513E-15	.380392E-15	.236898E-15
30.000	.272244E-20	.269927E-20	.267453E-20	.264846E-20
20.000	.277559E-20	.278890E-20	.279939E-20	.280722E-20
10.000	.191503E-20	.195855E-20	.200097E-20	.204228E-20
.000	.000000	.000000	.000000	.000000
	- X Axis (Meters) -			
	4000.000	4100.000	4200.000	4300.000

Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000

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ANFO CO

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Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00)

			- X Axis (Meters) -	
	4000.000		4100.000	4200.000 4300.000
Y Axis (Degrees)			- Time-Average Concentration -	

260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000

OBODM CO.txt

230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176471E-21	.176471E-21	.176471E-21	.176471E-21
170.000	.208245E-20	.212146E-20	.215931E-20	.219600E-20
160.000	.281254E-20	.281552E-20	.281629E-20	.281499E-20
150.000	.262127E-20	.259317E-20	.256432E-20	.253491E-20
140.000	.149783E-15	.960716E-16	.624734E-16	.411639E-16
130.000	.101128E-07	.813716E-08	.660921E-08	.538876E-08
120.000	.324250E-03	.290710E-03	.261570E-03	.236149E-03
110.000	.132450	.125416	.118952	.112998
100.000	3.12428	3.03622	2.95273	2.87349
90.000	8.39215	8.21874	8.05235	7.89256
80.000	3.12427	3.03620	2.95272	2.87348
70.000	.132449	.125415	.118951	.112997
60.000	.324244E-03	.290705E-03	.261566E-03	.236145E-03
50.000	.101125E-07	.813693E-08	.660904E-08	.538859E-08
40.000	.149776E-15	.960669E-16	.624711E-16	.411623E-16
30.000	.262127E-20	.259317E-20	.256432E-20	.253491E-20
20.000	.281255E-20	.281552E-20	.281628E-20	.281499E-20
10.000	.208244E-20	.212146E-20	.215931E-20	.219599E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000

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Table 4 (cont.)
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 14.597 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.176471E-21	.176471E-21	.176472E-21	.176472E-21
170.000	.223150E-20	.226583E-20	.229898E-20	.233096E-20
160.000	.281176E-20	.280674E-20	.280006E-20	.279182E-20

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150.000	.250507E-20	.247493E-20	.244462E-20	.241424E-20
140.000	.274664E-16	.185491E-16	.126721E-16	.875343E-17
130.000	.442230E-08	.365170E-08	.303322E-08	.253368E-08
120.000	.213885E-03	.194313E-03	.177047E-03	.161764E-03
110.000	.107503	.102420	.977094E-01	.933362E-01
100.000	2.79818	2.72654	2.65831	2.59326
90.000	7.73900	7.59129	7.44911	7.31217
80.000	2.79817	2.72653	2.65830	2.59325
70.000	.107502	.102419	.977086E-01	.933352E-01
60.000	.213881E-03	.194310E-03	.177044E-03	.161762E-03
50.000	.442217E-08	.365159E-08	.303314E-08	.253361E-08
40.000	.274651E-16	.185481E-16	.126715E-16	.875289E-17
30.000	.250507E-20	.247493E-20	.244462E-20	.241424E-20
20.000	.281176E-20	.280674E-20	.280006E-20	.279182E-20
10.000	.223150E-20	.226583E-20	.229898E-20	.233096E-20
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
4800.000 4900.000 5000.000				
- Time-Average Concentration -				

360.000	.000000	.000000	.000000	
350.000	.000000	.000000	.000000	
340.000	.000000	.000000	.000000	
330.000	.000000	.000000	.000000	
320.000	.000000	.000000	.000000	
310.000	.000000	.000000	.000000	
300.000	.000000	.000000	.000000	
290.000	.000000	.000000	.000000	
280.000	.000000	.000000	.000000	
270.000	.000000	.000000	.000000	
260.000	.000000	.000000	.000000	
250.000	.000000	.000000	.000000	
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Table 4 (cont.)				
CO Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)				
(Maximum = 14.597 at x = 1400.00, Y = 90.00)				
- X Axis (Meters) -				
4800.000 4900.000 5000.000				
- Time-Average Concentration -				

240.000	.000000	.000000	.000000	
230.000	.000000	.000000	.000000	
220.000	.000000	.000000	.000000	
210.000	.000000	.000000	.000000	
200.000	.000000	.000000	.000000	
190.000	.000000	.000000	.000000	
180.000	.176472E-21	.176472E-21	.176472E-21	
170.000	.236176E-20	.239140E-20	.241988E-20	
160.000	.278237E-20	.277144E-20	.275931E-20	
150.000	.238387E-20	.235361E-20	.232352E-20	
140.000	.611089E-17	.430964E-17	.307644E-17	
130.000	.212781E-08	.179615E-08	.152362E-08	
120.000	.148192E-03	.136102E-03	.125300E-03	
110.000	.892684E-01	.854786E-01	.819417E-01	
100.000	2.53118	2.47187	2.41517	
90.000	7.18017	7.05285	6.92996	
80.000	2.53117	2.47186	2.41516	
70.000	.892676E-01	.854778E-01	.819410E-01	
60.000	.148190E-03	.136100E-03	.125298E-03	

OBODM CO.txt				
50.000	.212775E-08	.179609E-08	.152357E-08	
40.000	.611052E-17	.430941E-17	.307629E-17	
30.000	.238387E-20	.235361E-20	.232352E-20	
20.000	.278237E-20	.277144E-20	.275931E-20	
10.000	.236176E-20	.239140E-20	.241988E-20	
.000	.000000	.000000	.000000	

Elapsed run time = 0 hours, 1.95 minutes.

*** end of OBODM ***

Table 1

- Program Input Data -

- Program Models Selected -

- Concentration
- Time-average concentration
- Using final cloud rise ht. for all calc. distances.
- Flat terrain is assumed.
- Grid system origin is not added to source rectangular coordinates
- Instantaneous sources can use both stable and adiabatic plume rise.
- Grid receptor system is ----- Polar

- Print Output Options -

- Print and save data using Detailed processing mode
- Print concentration output units ----- Micrograms/Cubic Meter

- Receptor Grid System Geometry -

Grid system orientation angle (Degrees) ----- .0
 Receptor X coordinate units ----- Meters
 Y coordinate units ----- Degrees
 Z coordinate units ----- Meters
 X origin ----- .00
 Y origin ----- .00
 X Axis of the grid system (Meters)----- .00, 100.00,
 200.00, 300.00, 400.00, 500.00, 600.00, 700.00,
 800.00, 900.00, 1000.00, 1100.00, 1200.00, 1300.00,
 1400.00, 1500.00, 1600.00, 1700.00, 1800.00, 1900.00,
 2000.00, 2100.00, 2200.00, 2300.00, 2400.00, 2500.00,
 2600.00, 2700.00, 2800.00, 2900.00, 3000.00, 3100.00,
 3200.00, 3300.00, 3400.00, 3500.00, 3600.00, 3700.00,
 3800.00, 3900.00, 4000.00, 4100.00, 4200.00, 4300.00,
 4400.00, 4500.00, 4600.00, 4700.00, 4800.00, 4900.00,
 5000.00,
 Y Axis of the grid system (Degrees)----- .00, 10.00,
 20.00, 30.00, 40.00, 50.00, 60.00, 70.00,
 80.00, 90.00, 100.00, 110.00, 120.00, 130.00,
 140.00, 150.00, 160.00, 170.00, 180.00, 190.00,
 200.00, 210.00, 220.00, 230.00, 240.00, 250.00,
 260.00, 270.00, 280.00, 290.00, 300.00, 310.00,
 320.00, 330.00, 340.00, 350.00, 360.00,

- Source Geometry/Emission Strength -

Material or fuel/explosive ----- ANFO
 Pollutant/species ----- N02
 Total number of sources ----- 1

Source Number	Ident	Reference System	Source Type	Emission Type
1	ANFO N02	Polar	Volume	Instantaneous

Table 1 (cont.)

- Program Input Data -

- Source Geometry/Emission Strength -

Source Number	X Coordinate	Y Coordinate	Z Elevation	Release Height	Emission Strength
1	.0 m	.0 d	.0 m	20.1~ m	1.00000E+04 lb

~ Means the value is defaulted for each hour of met. data.

Source Rect. Expan. Dist. / Reference Dist. /Air Entrain-/Dispersion Coeff.
 Number Crosswind Vertical/Crosswind Vertical/ment Coeff. /Crosswind
 Vertical

1	50.00 m	50.00 m	.00 m	.00 m	.640	1.000
---	---------	---------	-------	-------	------	-------

1.000

Source Number	Fuel Heat Content	Fuel Burn Rate	Fuel Burn Time	Initial Diameter
1	880.0 ca/g	1814370.0 g/s	2.5 s	40.12~ m

~ Means the value is defaulted for each hour of met. data.

- Pollutant/Species Material Characteristics -

Pollutant/species name	N02
Pollutant/species is	Gaseous
Particle material half-life	infinite
Molecular weight (g/g-mol)	48.0
Density of species (g/m**3)	1.0
Ratio of mass of pollutant/species (lb)	17.0
per mass of fuel or explosive (lb)	2000.0

- Meteorological Data -
 ([#-#] min-max limits)

Year [1900-2099]	2008
Month [1-12]	5
Day [1-31]	11
Hour (DST) [00-23]	1100
Minute	44
Julian day [1- 1]	132
Surface pressure (mb) [600.0-1100.0]	1000.00
Cloud cover (8ths) [0-8]	.00
Cloud ceiling (m) [.0-20000.0]	9999.00
Net radiation index [-2- 4]	0.
Pasquill stability category [A-F]	D

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Table 1 (cont.)

- Program Input Data -

- Meteorological Data -
 ([#-#] min-max limits)

Wind speed reference height (m)	10.00
Surface roughness length (cm) [.00-100.00]	.000
Vertical grad. of pot. temp. (C/m) [-5.000- 5.000]	.0
Reference wind speed (m/s) [1.0- 50.0]	5.000
Minimum (at 2m) wind speed (m/s)	4.257
Air temperature (C) [-60.0- 60.0]	20.000

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Standard dev. of wind direction angle (d) [1.0000-80.0000]----- 8.0000
 Standard dev. wind elevation angle (d) [1.0000-50.0000]----- 4.8000
 Longitudinal turbulence intensity (d) [1.0000-106.4000]----- 10.6400
 Measurement time for std. dev. wind dir. angle (s) [2.5-3600.0]- 600.00
 Air humidity (%) (.0-100.0)----- 50.0
 Surface mixing layer height (m) [1.0-20000.0]----- 300.00
 Wind direction (From) (deg) [.0- 360.0]----- 270.0
 Wind-direction shear (d/m) [-45.0- 45.0]----- .00
 Wind-speed power law exponent [.000-5.000]----- .1
 Wind-speed shear (m/s) [.00- 20.00]----- Compute

- Other Required Data -

Averaging time (s) (time-average con.) ----- 3600.00

- Input/Output Files Used -

Input save data file name ----- Otay_N02.INP
 Output save data file name ----- OtayBN02.INP
 Print solution output file name ----- OtayBN02.OUT
 Sigma plot output solution file ----- O_BL_N02
 ♀OBODM 1.3 ANFO N02 11/13/2012 pg 4

Table 2

- Maximum Cloud Plume Rise -

Source Number Distance	Name	Release Height	Cloud Rise Height	Total Cloud Height
1 ANFO N02		20.1 m	229.3 m	249.4 m
920.7				

m
 ♀OBODM 1.3 ANFO N02 11/13/2012 pg 5

Table 3

N02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

	- X Axis (Meters) -	
	.000 100.000 200.000 300.000	
Y Axis (Degrees)	- Concentration -	
360.000	.000000 .000000 .000000 .000000	.000000
350.000	.000000 .000000 .000000 .000000	.000000
340.000	.000000 .000000 .000000 .000000	.000000
330.000	.000000 .000000 .000000 .000000	.000000
320.000	.000000 .000000 .000000 .000000	.000000
310.000	.000000 .000000 .000000 .000000	.000000
300.000	.000000 .000000 .000000 .000000	.000000
290.000	.000000 .000000 .000000 .000000	.000000
280.000	.000000 .000000 .000000 .000000	.000000
270.000	.000000 .000000 .000000 .000000	.000000
260.000	.000000 .000000 .000000 .000000	.000000
250.000	.000000 .000000 .000000 .000000	.000000
240.000	.000000 .000000 .000000 .000000	.000000
230.000	.000000 .000000 .000000 .000000	.000000
220.000	.000000 .000000 .000000 .000000	.000000
210.000	.000000 .000000 .000000 .000000	.000000
200.000	.000000 .000000 .000000 .000000	.000000
190.000	.000000 .000000 .000000 .000000	.000000

OBODM NO2.txt				
180.000	.000000	12.5100	1.03516	.162649E-01
170.000	.000000	14.9600	1.90057	.707801E-01
160.000	.000000	18.3626	3.71996	.314873
150.000	.000000	22.8010	7.35115	1.29543
140.000	.000000	28.2159	14.0048	4.59957
130.000	.000000	34.3098	24.7913	13.4735
120.000	.000000	40.4902	39.6571	31.6714
110.000	.000000	45.9125	56.1933	58.7900
100.000	.000000	49.6560	69.6080	85.4369
90.000	.000000	50.9959	74.8171	96.8120
80.000	.000000	49.6560	69.6080	85.4369
70.000	.000000	45.9125	56.1933	58.7900
60.000	.000000	40.4902	39.6570	31.6714
50.000	.000000	34.3097	24.7912	13.4735
40.000	.000000	28.2159	14.0047	4.59956
30.000	.000000	22.8010	7.35113	1.29543
20.000	.000000	18.3626	3.71995	.314872
10.000	.000000	14.9600	1.90056	.707799E-01
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	400.000	500.000	600.000	700.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO NO2		11/13/2012 pg 6

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	400.000	500.000	600.000	700.000
Y Axis (Degrees)	- Concentration -			

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.485286E-04	.274942E-07	.295792E-11	.604268E-16
170.000	.907766E-03	.461656E-05	.105356E-07	.120275E-10
160.000	.137930E-01	.369267E-03	.688012E-05	.987866E-07
150.000	.153329	.140821E-01	.111138E-02	.810638E-04
140.000	1.18586	.267890	.569715E-01	.119577E-01
130.000	6.26613	2.69603	1.12451	.465882
120.000	22.5987	15.1918	9.92203	6.41732
110.000	55.9923	50.3323	43.8237	37.3871

OBODM NO2.txt				
100.000	96.0961	101.863	104.006	103.219
90.000	114.963	128.545	138.123	143.830
80.000	96.0960	101.862	104.006	103.219
70.000	55.9922	50.3322	43.8236	37.3870
60.000	22.5986	15.1917	9.92199	6.41729
50.000	6.26611	2.69602	1.12450	.465879
40.000	1.18585	.267888	.569710E-01	.119576E-01
30.000	.153328	.140820E-01	.111138E-02	.810630E-04
20.000	.137930E-01	.369264E-03	.688005E-05	.987852E-07
10.000	.907761E-03	.461651E-05	.105354E-07	.120272E-10
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO NO2		11/13/2012 pg 7

Table 3 (cont.)
 NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Concentration -			
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553714E-20	.553714E-20	.553714E-20	.553715E-20
170.000	.755736E-14	.284319E-17	.132319E-19	.140241E-19
160.000	.118451E-08	.126387E-10	.126218E-12	.122843E-14
150.000	.575972E-05	.414180E-06	.301465E-07	.229447E-08
140.000	.251852E-02	.546027E-03	.123273E-03	.291793E-04
130.000	.195401	.838121E-01	.369751E-01	.168275E-01
120.000	4.15446	2.70998	1.78805	1.19587
110.000	31.5252	26.4207	22.0888	18.4670
100.000	100.353	96.1056	91.0173	85.4890
90.000	146.265	146.063	143.820	140.061
80.000	100.353	96.1054	91.0171	85.4889
70.000	31.5251	26.4206	22.0887	18.4669
60.000	4.15444	2.70996	1.78804	1.19586
50.000	.195399	.838114E-01	.369747E-01	.168274E-01
40.000	.251849E-02	.546020E-03	.123271E-03	.291788E-04
30.000	.575964E-05	.414172E-06	.301458E-07	.229441E-08

OBODM NO2.txt				
20.000	.118448E-08	.126383E-10	.126214E-12	.122839E-14
10.000	.755712E-14	.284309E-17	.132318E-19	.140240E-19
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO NO2		11/13/2012 pg	8

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Concentration -			

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553715E-20	.553714E-20	.553715E-20	.553715E-20
170.000	.148064E-19	.155761E-19	.163308E-19	.170682E-19
160.000	.120429E-16	.122413E-18	.242972E-19	.250796E-19
150.000	.184759E-09	.158620E-10	.145884E-11	.144116E-12
140.000	.726858E-05	.190844E-05	.528242E-06	.154021E-06
130.000	.790975E-02	.384041E-02	.192487E-02	.994939E-03
120.000	.811571	.559075	.390919	.277356
110.000	15.4638	12.9837	10.9384	9.25074
100.000	79.8085	74.1748	68.7204	63.5286
90.000	135.228	129.681	123.705	117.520
80.000	79.8083	74.1746	68.7202	63.5285
70.000	15.4637	12.9836	10.9383	9.25069
60.000	.811565	.559071	.390916	.277353
50.000	.790965E-02	.384036E-02	.192485E-02	.994923E-03
40.000	.726846E-05	.190840E-05	.528230E-06	.154018E-06
30.000	.184756E-09	.158615E-10	.145879E-11	.144109E-12
20.000	.120425E-16	.122407E-18	.242972E-19	.250796E-19
10.000	.148064E-19	.155761E-19	.163308E-19	.170682E-19
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000

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Table 3 (cont.)
N02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

		- X Axis (Meters) -			
		1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)		- Concentration -			
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.553716E-20	.553715E-20	.553715E-20	.553716E-20	.553716E-20
170.000	.177865E-19	.184838E-19	.191588E-19	.198100E-19	.198100E-19
160.000	.257652E-19	.263571E-19	.268591E-19	.272756E-19	.272756E-19
150.000	.153090E-13	.174872E-14	.214620E-15	.282623E-16	.282623E-16
140.000	.472427E-07	.152171E-07	.513716E-08	.181389E-08	.181389E-08
130.000	.529677E-03	.290033E-03	.163112E-03	.940818E-04	.940818E-04
120.000	.199579	.145570	.107560	.804658E-01	.804658E-01
110.000	7.85585	6.69998	5.73979	4.93871	4.93871
100.000	58.6476	54.1051	49.9008	46.0317	46.0317
90.000	111.294	105.160	99.1910	93.4543	93.4543
80.000	58.6474	54.1050	49.9006	46.0315	46.0315
70.000	7.85581	6.69994	5.73976	4.93868	4.93868
60.000	.199577	.145569	.107559	.804650E-01	.804650E-01
50.000	.529669E-03	.290029E-03	.163109E-03	.940800E-04	.940800E-04
40.000	.472417E-07	.152168E-07	.513703E-08	.181384E-08	.181384E-08
30.000	.153084E-13	.174863E-14	.214610E-15	.282609E-16	.282609E-16
20.000	.257652E-19	.263571E-19	.268591E-19	.272755E-19	.272755E-19
10.000	.177865E-19	.184838E-19	.191588E-19	.198099E-19	.198099E-19
.000	.000000	.000000	.000000	.000000	.000000

		- X Axis (Meters) -			
		2000.000	2100.000	2200.000	2300.000
Y Axis (Degrees)		- Concentration -			
360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000

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OBODM NO2.txt

Table 3 (cont.)
 NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

		- X Axis (Meters) -			
		2000.000	2100.000	2200.000	2300.000
Y Axis	(Degrees)	- Concentration			-

310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.553716E-20	.553716E-20	.553716E-20	.553716E-20	.553716E-20
170.000	.204363E-19	.210366E-19	.216098E-19	.221549E-19	.221549E-19
160.000	.276110E-19	.278703E-19	.280584E-19	.281803E-19	.281803E-19
150.000	.398619E-17	.600943E-18	.966258E-19	.265693E-19	.265693E-19
140.000	.668459E-09	.256569E-09	.102357E-09	.423588E-10	.423588E-10
130.000	.555778E-04	.335810E-04	.207286E-04	.130541E-04	.130541E-04
120.000	.609046E-01	.466153E-01	.360582E-01	.281738E-01	.281738E-01
110.000	4.26821	3.70487	3.22977	2.82752	2.82752
100.000	42.4850	39.2432	36.2862	33.5929	33.5929
90.000	87.9892	82.8187	77.9534	73.3947	73.3947
80.000	42.4849	39.2431	36.2861	33.5927	33.5927
70.000	4.26818	3.70485	3.22974	2.82751	2.82751
60.000	.609039E-01	.466147E-01	.360577E-01	.281734E-01	.281734E-01
50.000	.555767E-04	.335803E-04	.207281E-04	.130538E-04	.130538E-04
40.000	.668439E-09	.256562E-09	.102353E-09	.423575E-10	.423575E-10
30.000	.398598E-17	.600918E-18	.966203E-19	.265693E-19	.265693E-19
20.000	.276110E-19	.278703E-19	.280584E-19	.281803E-19	.281803E-19
10.000	.204362E-19	.210365E-19	.216098E-19	.221549E-19	.221549E-19
.000	.000000	.000000	.000000	.000000	.000000

		- X Axis (Meters) -			
		2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)		Concentration			-

360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000

OBODM 1.3

ANFO NO2

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Table 3 (cont.)
 NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

OBODM N02.txt				
- X Axis (Meters) -				
	2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)	Concentration			

300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553716E-20	.553716E-20	.553716E-20	.553717E-20
170.000	.226702E-19	.231521E-19	.236006E-19	.240504E-19
160.000	.282408E-19	.282448E-19	.281969E-19	.281018E-19
150.000	.260820E-19	.255606E-19	.250122E-19	.244433E-19
140.000	.181497E-10	.803715E-11	.367228E-11	.172826E-11
130.000	.837839E-05	.547457E-05	.363822E-05	.245682E-05
120.000	.222245E-01	.176913E-01	.142047E-01	.114992E-01
110.000	2.48566	2.19398	1.94419	1.72945
100.000	31.1417	28.9119	26.8834	25.0375
90.000	69.1372	65.1707	61.4821	58.0559
80.000	31.1416	28.9118	26.8833	25.0374
70.000	2.48564	2.19397	1.94417	1.72944
60.000	.222242E-01	.176911E-01	.142045E-01	.114990E-01
50.000	.837821E-05	.547446E-05	.363814E-05	.245676E-05
40.000	.181490E-10	.803685E-11	.367216E-11	.172820E-11
30.000	.260820E-19	.255606E-19	.250122E-19	.244433E-19
20.000	.282408E-19	.282448E-19	.281969E-19	.281018E-19
10.000	.226702E-19	.231521E-19	.236006E-19	.240504E-19
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	2800.000	2900.000	3000.000	3100.000
Y Axis (Degrees)	Concentration			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

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OBODM 1.3 ANFO N02 11/13/2012 pg 12

Table 3 (cont.)
N02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

			- X Axis (Meters) -	
	2800.000	2900.000	3000.000	3100.000
Y Axis (Degrees)			Concentration	
	290.000	.000000	.000000	.000000

OBODM NO2.txt				
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553717E-20	.553717E-20	.553717E-20	.553717E-20
170.000	.244745E-19	.248732E-19	.252468E-19	.255955E-19
160.000	.279637E-19	.277867E-19	.275747E-19	.273315E-19
150.000	.238595E-19	.232659E-19	.226667E-19	.220656E-19
140.000	.836536E-12	.415852E-12	.212020E-12	.110727E-12
130.000	.168433E-05	.117140E-05	.825809E-06	.589713E-06
120.000	.938189E-02	.771147E-02	.638341E-02	.531973E-02
110.000	1.54416	1.38369	1.24421	1.12254
100.000	23.3567	21.8249	20.4274	19.1509
90.000	54.8760	51.9255	49.1878	46.6468
80.000	23.3566	21.8248	20.4274	19.1508
70.000	1.54415	1.38368	1.24420	1.12254
60.000	.938174E-02	.771135E-02	.638331E-02	.531965E-02
50.000	.168430E-05	.117138E-05	.825790E-06	.589698E-06
40.000	.836507E-12	.415833E-12	.212011E-12	.110721E-12
30.000	.238595E-19	.232659E-19	.226667E-19	.220656E-19
20.000	.279637E-19	.277867E-19	.275748E-19	.273315E-19
10.000	.244745E-19	.248732E-19	.252467E-19	.255955E-19
.000	.000000	.000000	.000000	.000000
		- X Axis (Meters) -		
	3200.000	3300.000	3400.000	3500.000
Y Axis (Degrees)	-	Concentration		-

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO NO2	11/13/2012 pg 13	

Table 3 (cont.)
 NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

		- X Axis (Meters) -		
		3200.000	3300.000	3400.000
Y Axis (Degrees)		- Concentration -		

280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000

OBODM NO2.txt				
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553717E-20	.553717E-20	.553717E-20	.553718E-20
170.000	.259199E-19	.262203E-19	.264973E-19	.267514E-19
160.000	.270605E-19	.267648E-19	.264476E-19	.261116E-19
150.000	.214658E-19	.208717E-19	.202827E-19	.197021E-19
140.000	.591626E-13	.323047E-13	.180077E-13	.102375E-13
130.000	.426291E-06	.311749E-06	.230508E-06	.172233E-06
120.000	.446180E-02	.376512E-02	.319574E-02	.272750E-02
110.000	1.01605	.922502	.840063	.768627
100.000	17.9832	16.9497	15.9572	15.0476
90.000	44.2870	42.1710	40.1077	38.1923
80.000	17.9831	16.9496	15.9571	15.0476
70.000	1.01604	.922495	.840056	.768621
60.000	.446173E-02	.376507E-02	.319569E-02	.272746E-02
50.000	.426279E-06	.311740E-06	.230504E-06	.172229E-06
40.000	.591597E-13	.323036E-13	.180071E-13	.102370E-13
30.000	.214658E-19	.208717E-19	.202827E-19	.197021E-19
20.000	.270605E-19	.267649E-19	.264476E-19	.261116E-19
10.000	.259198E-19	.262203E-19	.264973E-19	.267514E-19
.000	.000000	.000000	.000000	.000000
	3600.000	- X Axis (Meters) -	3800.000	3900.000
Y Axis (Degrees)	-	Concentration	-	-

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO NO2		11/13/2012 pg 14

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

	3600.000	- X Axis (Meters) -	3800.000	3900.000
Y Axis (Degrees)	-	Concentration	-	-

270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553718E-20	.553717E-20	.553718E-20	.553718E-20
170.000	.269832E-19	.271932E-19	.273821E-19	.275504E-19
160.000	.257594E-19	.253934E-19	.250158E-19	.246286E-19
150.000	.191315E-19	.185721E-19	.180250E-19	.174911E-19
140.000	.593016E-14	.349695E-14	.209752E-14	.127875E-14
130.000	.129978E-06	.990242E-07	.761254E-07	.590270E-07

OBODM NO2.txt				
120.000	.234017E-02	.201793E-02	.175171E-02	.152400E-02
110.000	.703515	.645681	.594137	.548053
100.000	14.2122	13.4432	12.7339	12.0783
90.000	36.4109	34.7512	33.2026	31.7552
80.000	14.2122	13.4432	12.7339	12.0783
70.000	.703509	.645675	.594132	.548048
60.000	.234013E-02	.201790E-02	.175168E-02	.152397E-02
50.000	.129975E-06	.990216E-07	.761234E-07	.590250E-07
40.000	.592985E-14	.349679E-14	.209745E-14	.127869E-14
30.000	.191315E-19	.185721E-19	.180250E-19	.174911E-19
20.000	.257594E-19	.253934E-19	.250158E-19	.246286E-19
10.000	.269831E-19	.271932E-19	.273820E-19	.275504E-19
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	4000.000	4100.000	4200.000	4300.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO NO2			11/13/2012 pg 15

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00				
		- X Axis (Meters)	-	
	4000.000	4100.000	4200.000	4300.000
Y Axis (Degrees)		-	Concentration	-

260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553719E-20	.553718E-20	.553718E-20	.553719E-20
170.000	.276989E-19	.278282E-19	.279388E-19	.280315E-19
160.000	.242336E-19	.238326E-19	.234271E-19	.230185E-19
150.000	.169709E-19	.164650E-19	.159736E-19	.154970E-19
140.000	.791768E-15	.497567E-15	.317139E-15	.204899E-15
130.000	.461454E-07	.363578E-07	.289287E-07	.231155E-07
120.000	.133180E-02	.116876E-02	.102981E-02	.910839E-03
110.000	.506723	.469549	.436020	.405699
100.000	11.4712	10.9080	10.3846	9.89749
90.000	30.4004	29.1305	27.9386	26.8183
80.000	11.4712	10.9080	10.3846	9.89745
70.000	.506719	.469545	.436016	.405695
60.000	.133178E-02	.116874E-02	.102979E-02	.910822E-03
50.000	.461441E-07	.363568E-07	.289280E-07	.231148E-07

OBODM NO2.txt				
40.000	.791732E-15	.497543E-15	.317127E-15	.204891E-15
30.000	.169709E-19	.164650E-19	.159737E-19	.154971E-19
20.000	.242336E-19	.238326E-19	.234271E-19	.230185E-19
10.000	.276989E-19	.278281E-19	.279388E-19	.280315E-19
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	4400.000	4500.000	4600.000	4700.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO NO2			11/13/2012 pg 16

Table 3 (cont.)
NO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	4400.000	4500.000	4600.000	4700.000
Y Axis (Degrees)	- Concentration -			
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.553719E-20	.553719E-20	.553720E-20	.553720E-20
170.000	.281069E-19	.281657E-19	.282085E-19	.282359E-19
160.000	.226080E-19	.221968E-19	.217859E-19	.213762E-19
150.000	.150353E-19	.145883E-19	.141560E-19	.137383E-19
140.000	.134109E-15	.888730E-16	.595991E-16	.404257E-16
130.000	.185982E-07	.150623E-07	.122754E-07	.100641E-07
120.000	.808541E-03	.720217E-03	.643659E-03	.577050E-03
110.000	.378209	.353225	.330467	.309690
100.000	9.44332	9.01925	8.62272	8.25142
90.000	25.7641	24.7709	23.8340	22.9493
80.000	9.44328	9.01921	8.62268	8.25138
70.000	.378205	.353222	.330464	.309687
60.000	.808528E-03	.720205E-03	.643648E-03	.577039E-03
50.000	.185976E-07	.150619E-07	.122751E-07	.100638E-07
40.000	.134103E-15	.888683E-16	.595960E-16	.404233E-16
30.000	.150353E-19	.145883E-19	.141560E-19	.137383E-19
20.000	.226080E-19	.221968E-19	.217859E-19	.213762E-19
10.000	.281069E-19	.281657E-19	.282085E-19	.282359E-19
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	4800.000	4900.000	5000.000	

OBODM N02.txt			
Y Axis (Degrees)	-	Concentration	-

360.000	.000000	.000000	.000000
350.000	.000000	.000000	.000000
340.000	.000000	.000000	.000000
330.000	.000000	.000000	.000000
320.000	.000000	.000000	.000000
310.000	.000000	.000000	.000000
300.000	.000000	.000000	.000000
290.000	.000000	.000000	.000000
280.000	.000000	.000000	.000000
270.000	.000000	.000000	.000000
260.000	.000000	.000000	.000000
250.000	.000000	.000000	.000000
OBODM 1.3		ANFO N02	11/13/2012 pg 17

Table 3 (cont.)
N02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 146.27 at x = 800.00, Y = 90.00)

- X Axis (Meters) -			
4800.000	4900.000	5000.000	
Y Axis (Degrees)	-	Concentration	-

240.000	.000000	.000000	.000000
230.000	.000000	.000000	.000000
220.000	.000000	.000000	.000000
210.000	.000000	.000000	.000000
200.000	.000000	.000000	.000000
190.000	.000000	.000000	.000000
180.000	.553720E-20	.553720E-20	.553720E-20
170.000	.282486E-19	.282471E-19	.282322E-19
160.000	.209701E-19	.205657E-19	.201647E-19
150.000	.133348E-19	.129454E-19	.125698E-19
140.000	.277214E-16	.192097E-16	.134780E-16
130.000	.829835E-08	.687990E-08	.573372E-08
120.000	.518886E-03	.467925E-03	.423127E-03
110.000	.290682	.273256	.257250
100.000	7.90327	7.57642	7.26918
90.000	22.1129	21.3215	20.5718
80.000	7.90324	7.57639	7.26914
70.000	.290679	.273254	.257248
60.000	.518878E-03	.467918E-03	.423120E-03
50.000	.829812E-08	.687968E-08	.573354E-08
40.000	.277198E-16	.192087E-16	.134774E-16
30.000	.133348E-19	.129454E-19	.125698E-19
20.000	.209701E-19	.205657E-19	.201647E-19
10.000	.282486E-19	.282471E-19	.282322E-19
.000	.000000	.000000	.000000
OBODM 1.3		ANFO N02	11/13/2012 pg 18

Table 4
N02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -			
.000	100.000	200.000	300.000
Y Axis (Degrees)	-	Time-Average Concentration	-

OBODM NO2.txt

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.000000	.101162	.837074E-02	.131526E-03
170.000	.000000	.124858	.163576E-01	.627689E-03
160.000	.000000	.157895	.339059E-01	.303358E-02
150.000	.000000	.201483	.705309E-01	.134225E-01
140.000	.000000	.255415	.140487	.507171E-01
130.000	.000000	.316982	.258101	.156394
120.000	.000000	.380228	.425152	.382723
110.000	.000000	.436291	.615319	.731284
100.000	.000000	.475277	.772022	1.08144
90.000	.000000	.489283	.833352	1.23259
80.000	.000000	.475277	.772022	1.08144
70.000	.000000	.436291	.615319	.731283
60.000	.000000	.380228	.425152	.382723
50.000	.000000	.316982	.258101	.156394
40.000	.000000	.255415	.140487	.507170E-01
30.000	.000000	.201482	.705308E-01	.134225E-01
20.000	.000000	.157895	.339059E-01	.303357E-02
10.000	.000000	.124858	.163575E-01	.627687E-03
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

OBODM 1.3 360.000 .000000 .000000 .000000 .000000
ANFO NO2 11/13/2012 pg 19

Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

OBODM NO2.txt					
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.392425E-06	.222331E-09	.239191E-13	.488639E-18	
170.000	.828843E-05	.433679E-07	.101757E-09	.119361E-12	
160.000	.140112E-03	.394622E-05	.771963E-07	.116168E-08	
150.000	.170786E-02	.167968E-03	.141499E-04	.109885E-05	
140.000	.142791E-01	.350438E-02	.806696E-03	.183140E-03	
130.000	.804339E-01	.380521E-01	.173897E-01	.775275E-02	
120.000	.304979	.227884	.162579	.113694	
110.000	.783442	.786250	.747849	.692026	
100.000	1.37438	1.62651	1.81814	1.96070	
90.000	1.65638	2.06756	2.43389	2.75565	
80.000	1.37438	1.62651	1.81814	1.96070	
70.000	.783440	.786249	.747847	.692024	
60.000	.304978	.227883	.162579	.113694	
50.000	.804337E-01	.380519E-01	.173896E-01	.775270E-02	
40.000	.142790E-01	.350436E-02	.806690E-03	.183138E-03	
30.000	.170785E-02	.167966E-03	.141498E-04	.109884E-05	
20.000	.140112E-03	.394619E-05	.771955E-07	.116167E-08	
10.000	.828838E-05	.433675E-07	.101756E-09	.119358E-12	
.000	.000000	.000000	.000000	.000000	
		- X Axis (Meters) -			
	800.000	900.000	1000.000	1100.000	
Y Axis (Degrees)	- Time-Average Concentration -				

360.000	.000000	.000000	.000000	.000000	
350.000	.000000	.000000	.000000	.000000	
OBODM 1.3		ANFO NO2		11/13/2012 pg	20

Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -					
		800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Time-Average Concentration -				

340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000

OBODM NO2.txt				
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447759E-22	.447759E-22	.447759E-22	.447759E-22
170.000	.770143E-16	.297354E-19	.141946E-21	.154237E-21
160.000	.145759E-10	.162523E-12	.169414E-14	.171954E-16
150.000	.829858E-07	.634376E-08	.484888E-09	.386678E-10
140.000	.410593E-04	.944126E-05	.225331E-05	.562220E-06
130.000	.348176E-02	.159215E-02	.745980E-03	.359338E-03
120.000	.791368E-01	.552323E-01	.388259E-01	.275617E-01
110.000	.629095	.565443	.504691	.448663
100.000	2.05831	2.11688	2.14282	2.14234
90.000	3.02736	3.24802	3.41960	3.54595
80.000	2.05831	2.11687	2.14281	2.14233
70.000	.629092	.565441	.504689	.448661
60.000	.791364E-01	.552320E-01	.388257E-01	.275615E-01
50.000	.348173E-02	.159213E-02	.745973E-03	.359335E-03
40.000	.410588E-04	.944112E-05	.225328E-05	.562211E-06
30.000	.829847E-07	.634363E-08	.484875E-09	.386668E-10
20.000	.145756E-10	.162518E-12	.169408E-14	.171948E-16
10.000	.770118E-16	.297344E-19	.141946E-21	.154237E-21
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO NO2		11/13/2012 pg	21

Table 4 (cont.)
 NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -				
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Time-Average Concentration -			
	-----	-----	-----	-----
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447759E-22	.447759E-22	.447759E-22	.447759E-22
170.000	.166866E-21	.179798E-21	.193000E-21	.206437E-21
160.000	.175723E-18	.186340E-20	.382903E-21	.408410E-21
150.000	.325568E-11	.291703E-12	.279500E-13	.287198E-14
140.000	.147238E-06	.405468E-07	.117458E-07	.357720E-08

OBODM NO2.txt				
130.000	.178235E-03	.910682E-04	.479159E-04	.259412E-04
120.000	.197870E-01	.143767E-01	.105741E-01	.787245E-02
110.000	.398082	.353035	.313261	.278327
100.000	2.12107	2.08390	2.03496	1.97765
90.000	3.63193	3.68277	3.70371	3.69969
80.000	2.12106	2.08389	2.03495	1.97764
70.000	.398080	.353034	.313259	.278325
60.000	.197869E-01	.143766E-01	.105741E-01	.787237E-02
50.000	.178232E-03	.910670E-04	.479153E-04	.259407E-04
40.000	.147236E-06	.405460E-07	.117455E-07	.357712E-08
30.000	.325562E-11	.291694E-12	.279491E-13	.287185E-14
20.000	.175716E-18	.186329E-20	.382903E-21	.408410E-21
10.000	.166866E-21	.179798E-21	.192999E-21	.206437E-21
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO NO2		11/13/2012 pg	22

Table 4 (cont.)
 NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00

- X Axis (Meters) -				
	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	- Time-Average Concentration -			

320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447760E-22	.447760E-22	.447760E-22	.447760E-22
170.000	.220078E-21	.233893E-21	.247852E-21	.261929E-21
160.000	.433115E-21	.456921E-21	.479747E-21	.501530E-21
150.000	.316862E-15	.375403E-16	.477252E-17	.650231E-18
140.000	.114399E-08	.383552E-09	.134571E-09	.493123E-10
130.000	.144355E-04	.824675E-05	.483046E-05	.289726E-05
120.000	.593120E-02	.452046E-02	.348369E-02	.271359E-02
110.000	.247737	.220992	.197637	.177209
100.000	1.91473	1.84858	1.78070	1.71253
90.000	3.67525	3.63481	3.58143	3.51841
80.000	1.91473	1.84857	1.78069	1.71253
70.000	.247736	.220991	.197635	.177208
60.000	.593114E-02	.452041E-02	.348365E-02	.271356E-02

OBODM NO2.txt				
50.000	.144353E-04	.824662E-05	.483039E-05	.289721E-05
40.000	.114397E-08	.383544E-09	.134568E-09	.493110E-10
30.000	.316849E-15	.375384E-16	.477230E-17	.650198E-18
20.000	.433115E-21	.456921E-21	.479747E-21	.501530E-21
10.000	.220078E-21	.233892E-21	.247851E-21	.261928E-21
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	2000.000	2100.000	2200.000	2300.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO NO2			11/13/2012 pg 23

Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -				
	2000.000	2100.000	2200.000	2300.000
Y Axis (Degrees)	- Time-Average Concentration -			

310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447760E-22	.447760E-22	.447761E-22	.447761E-22
170.000	.276098E-21	.290340E-21	.304635E-21	.318972E-21
160.000	.522223E-21	.541791E-21	.560213E-21	.577477E-21
150.000	.947795E-19	.147514E-19	.244630E-20	.693127E-21
140.000	.188348E-10	.748336E-11	.308684E-11	.131941E-11
130.000	.177715E-05	.111344E-05	.711775E-06	.463669E-06
120.000	.213524E-02	.169652E-02	.136046E-02	.110061E-02
110.000	.159334	.143673	.129929	.117845
100.000	1.64510	1.57917	1.51529	1.45384
90.000	3.44834	3.37343	3.29548	3.21595
80.000	1.64510	1.57917	1.51529	1.45384
70.000	.159333	.143672	.129928	.117845
60.000	.213521E-02	.169650E-02	.136044E-02	.110059E-02
50.000	.177712E-05	.111342E-05	.711760E-06	.463659E-06
40.000	.188342E-10	.748316E-11	.308675E-11	.131937E-11
30.000	.947744E-19	.147508E-19	.244616E-20	.693127E-21
20.000	.522223E-21	.541791E-21	.560212E-21	.577477E-21
10.000	.276098E-21	.290339E-21	.304634E-21	.318971E-21
.000	.000000	.000000	.000000	.000000
	- X Axis (Meters) -			

OBODM NO2.txt				
	2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO NO2		11/13/2012 pg 24

Table 4 (cont.)
 NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -				
	2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)	- Time-Average Concentration -			

300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447761E-22	.447761E-22	.447761E-22	.447761E-22
170.000	.333346E-21	.347772E-21	.362015E-21	.375328E-21
160.000	.593583E-21	.608536E-21	.622352E-21	.635051E-21
150.000	.700508E-21	.706194E-21	.710314E-21	.712993E-21
140.000	.583322E-12	.266273E-12	.125303E-12	.606831E-13
130.000	.307488E-06	.207385E-06	.142119E-06	.988726E-07
120.000	.897880E-03	.738365E-03	.611821E-03	.510650E-03
110.000	.107199	.978003E-01	.894832E-01	.821064E-01
100.000	1.39506	1.33909	1.28598	1.23571
90.000	3.13604	3.05664	2.97848	2.90205
80.000	1.39506	1.33909	1.28597	1.23571
70.000	.107199	.977996E-01	.894826E-01	.821058E-01
60.000	.897870E-03	.738356E-03	.611814E-03	.510643E-03
50.000	.307482E-06	.207380E-06	.142116E-06	.988701E-07
40.000	.583297E-12	.266263E-12	.125299E-12	.606812E-13
30.000	.700507E-21	.706194E-21	.710314E-21	.712993E-21
20.000	.593582E-21	.608536E-21	.622352E-21	.635050E-21
10.000	.333346E-21	.347771E-21	.362014E-21	.375327E-21
.000	.000000	.000000	.000000	.000000
	- X Axis (Meters) -			
	2800.000	2900.000	3000.000	3100.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000

♀OBODM 1.3

(Maximum = 3.7037 at $x = 1400.00$, $Y = 90.00$)

Y Axis (Degrees)

100.000

Y Axis (Degrees)

300.000
290.000

♀OBODM 1.3

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OBODM NO2.txt
 NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00)

		- X Axis (Meters) -			
		3200.000	3300.000	3400.000	3500.000
Y Axis (Degrees)		- Time-Average Concentration -			

280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.447762E-22	.447762E-22	.447762E-22	.447762E-22	.447762E-22
170.000	.439079E-21	.451166E-21	.463005E-21	.474587E-21	.474587E-21
160.000	.682789E-21	.689431E-21	.695196E-21	.700123E-21	.700123E-21
150.000	.708863E-21	.705331E-21	.701063E-21	.696184E-21	.696184E-21
140.000	.237054E-14	.132642E-14	.757242E-15	.440646E-15	.440646E-15
130.000	.196740E-07	.147561E-07	.111831E-07	.855939E-08	.855939E-08
120.000	.227939E-03	.197378E-03	.171799E-03	.150271E-03	.150271E-03
110.000	.556015E-01	.518198E-01	.484068E-01	.454047E-01	.454047E-01
100.000	1.02415	.991049	.957260	.925561	.925561
90.000	2.55538	2.49835	2.43800	2.38049	2.38049
80.000	1.02415	.991045	.957257	.925557	.925557
70.000	.556010E-01	.518194E-01	.484064E-01	.454044E-01	.454044E-01
60.000	.227936E-03	.197375E-03	.171796E-03	.150269E-03	.150269E-03
50.000	.196734E-07	.147557E-07	.111828E-07	.855917E-08	.855917E-08
40.000	.237043E-14	.132637E-14	.757216E-15	.440625E-15	.440625E-15
30.000	.708863E-21	.705331E-21	.701064E-21	.696184E-21	.696184E-21
20.000	.682789E-21	.689431E-21	.695196E-21	.700123E-21	.700123E-21
10.000	.439078E-21	.451165E-21	.463004E-21	.474586E-21	.474586E-21
.000	.000000	.000000	.000000	.000000	.000000

		- X Axis (Meters) -			
		3600.000	3700.000	3800.000	3900.000
Y Axis (Degrees)		- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000

OBODM 1.3

ANFO NO2

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Table 4 (cont.)
 NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00)

		- X Axis (Meters) -			
		3600.000	3700.000	3800.000	3900.000

OBODM NO2.txt

Y Axis (Degrees)	- Time-Average Concentration -			
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447762E-22	.447762E-22	.447763E-22	.447763E-22
170.000	.485903E-21	.496946E-21	.507711E-21	.518191E-21
160.000	.704255E-21	.707631E-21	.710292E-21	.712279E-21
150.000	.690769E-21	.684890E-21	.678612E-21	.671997E-21
140.000	.261127E-15	.157451E-15	.965210E-16	.601115E-16
130.000	.661307E-08	.515519E-08	.405305E-08	.321245E-08
120.000	.132057E-03	.116570E-03	.103531E-03	.921090E-04
110.000	.425784E-01	.400142E-01	.376813E-01	.355531E-01
100.000	.895771	.867729	.841291	.816330
90.000	2.32563	2.27325	2.22317	2.17525
80.000	.895767	.867725	.841288	.816326
70.000	.425780E-01	.400138E-01	.376810E-01	.355528E-01
60.000	.132055E-03	.116568E-03	.103530E-03	.921074E-04
50.000	.661290E-08	.515506E-08	.405294E-08	.321234E-08
40.000	.261113E-15	.157444E-15	.965174E-16	.601086E-16
30.000	.690769E-21	.684890E-21	.678612E-21	.671997E-21
20.000	.704255E-21	.707631E-21	.710292E-21	.712279E-21
10.000	.485902E-21	.496945E-21	.507710E-21	.518190E-21
.000	.000000	.000000	.000000	.000000
	- X Axis (Meters) -			
	4000.000	4100.000	4200.000	4300.000

Y Axis (Degrees)	- Time-Average Concentration -				

360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000

OBODM 1.3

ANFO NO2

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Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00)

			- X Axis (Meters) -	
	4000.000		4100.000	4200.000 4300.000
Y Axis (Degrees)			- Time-Average Concentration -	

260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000

OBODM NO2.txt

230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447763E-22	.447763E-22	.447763E-22	.447763E-22
170.000	.528382E-21	.538281E-21	.547886E-21	.557193E-21
160.000	.713631E-21	.714385E-21	.714580E-21	.714251E-21
150.000	.665098E-21	.657967E-21	.650649E-21	.643186E-21
140.000	.380046E-16	.243764E-16	.158515E-16	.104446E-16
130.000	.256593E-08	.206465E-08	.167696E-08	.136730E-08
120.000	.822723E-04	.737621E-04	.663685E-04	.599184E-04
110.000	.336067E-01	.318220E-01	.301819E-01	.286713E-01
100.000	.792729	.770384	.749200	.729094
90.000	2.12935	2.08535	2.04313	2.00259
80.000	.792726	.770380	.749197	.729091
70.000	.336064E-01	.318217E-01	.301816E-01	.286710E-01
60.000	.822709E-04	.737610E-04	.663674E-04	.599173E-04
50.000	.256585E-08	.206459E-08	.167692E-08	.136725E-08
40.000	.380028E-16	.243752E-16	.158509E-16	.104442E-16
30.000	.665098E-21	.657967E-21	.650650E-21	.643186E-21
20.000	.713631E-21	.714385E-21	.714580E-21	.714251E-21
10.000	.528381E-21	.538280E-21	.547885E-21	.557192E-21
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000

OBODM 1.3

ANFO NO2

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Table 4 (cont.)
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = 3.7037 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.447763E-22	.447763E-22	.447764E-22	.447764E-22
170.000	.566202E-21	.574913E-21	.583324E-21	.591438E-21
160.000	.713432E-21	.712159E-21	.710462E-21	.708373E-21

OBODM NO2.txt				
150.000	.635614E-21	.627968E-21	.620277E-21	.612567E-21
140.000	.696909E-17	.470649E-17	.321532E-17	.222102E-17
130.000	.112208E-08	.926552E-09	.769622E-09	.642875E-09
120.000	.542692E-04	.493033E-04	.449225E-04	.410447E-04
110.000	.272768E-01	.259871E-01	.247919E-01	.236823E-01
100.000	.709987	.691809	.674497	.657991
90.000	1.96363	1.92615	1.89007	1.85533
80.000	.709984	.691806	.674494	.657988
70.000	.272766E-01	.259869E-01	.247917E-01	.236821E-01
60.000	.542683E-04	.493024E-04	.449217E-04	.410440E-04
50.000	.112204E-08	.926524E-09	.769601E-09	.642857E-09
40.000	.696877E-17	.470624E-17	.321515E-17	.222088E-17
30.000	.635615E-21	.627968E-21	.620277E-21	.612568E-21
20.000	.713432E-21	.712159E-21	.710462E-21	.708373E-21
10.000	.566202E-21	.574912E-21	.583324E-21	.591437E-21
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
4800.000 4900.000 5000.000				
Y Axis (Degrees) - Time-Average Concentration -				

360.000	.000000	.000000	.000000	
350.000	.000000	.000000	.000000	
340.000	.000000	.000000	.000000	
330.000	.000000	.000000	.000000	
320.000	.000000	.000000	.000000	
310.000	.000000	.000000	.000000	
300.000	.000000	.000000	.000000	
290.000	.000000	.000000	.000000	
280.000	.000000	.000000	.000000	
270.000	.000000	.000000	.000000	
260.000	.000000	.000000	.000000	
250.000	.000000	.000000	.000000	
OBODM 1.3		ANFO NO2	11/13/2012 pg	30
Table 4 (cont.)				
NO2 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)				
(Maximum = 3.7037 at x = 1400.00, Y = 90.00)				
- X Axis (Meters) -				
4800.000 4900.000 5000.000				
Y Axis (Degrees) - Time-Average Concentration -				

240.000	.000000	.000000	.000000	
230.000	.000000	.000000	.000000	
220.000	.000000	.000000	.000000	
210.000	.000000	.000000	.000000	
200.000	.000000	.000000	.000000	
190.000	.000000	.000000	.000000	
180.000	.447765E-22	.447764E-22	.447764E-22	
170.000	.599253E-21	.606773E-21	.613999E-21	
160.000	.705974E-21	.703202E-21	.700124E-21	
150.000	.604863E-21	.597185E-21	.589550E-21	
140.000	.155053E-17	.109349E-17	.780589E-18	
130.000	.539892E-09	.455739E-09	.386591E-09	
120.000	.376010E-04	.345334E-04	.317926E-04	
110.000	.226502E-01	.216886E-01	.207912E-01	
100.000	.642239	.627191	.612803	
90.000	1.82183	1.78953	1.75835	
80.000	.642236	.627189	.612801	
70.000	.226500E-01	.216884E-01	.207910E-01	
60.000	.376004E-04	.345329E-04	.317921E-04	

OBODM NO2.txt			
50.000	.539877E-09	.455724E-09	.386578E-09
40.000	.155043E-17	.109343E-17	.780551E-18
30.000	.604863E-21	.597185E-21	.589550E-21
20.000	.705974E-21	.703202E-21	.700125E-21
10.000	.599253E-21	.606772E-21	.613998E-21
.000	.000000	.000000	.000000

Elapsed run time = 0 hours, 2.12 minutes.

*** end of OBODM ***

Table 1

- Program Input Data -

- Program Models Selected -

- Concentration
- Time-average concentration
- Using final cloud rise ht. for all calc. distances.
- Flat terrain is assumed.
- Grid system origin is not added to source rectangular coordinates
- Instantaneous sources can use both stable and adiabatic plume rise.
- Grid receptor system is ----- Polar

- Print Output Options -

- Print and save data using Detailed processing mode
- Print concentration output units ----- Micrograms/Cubic Meter

- Receptor Grid System Geometry -

Grid system orientation angle (Degrees) ----- .0
 Receptor X coordinate units ----- Meters
 Y coordinate units ----- Degrees
 Z coordinate units ----- Meters
 X origin ----- .00
 Y origin ----- .00
 X Axis of the grid system (Meters)----- .00, 100.00,
 200.00, 300.00, 400.00, 500.00, 600.00, 700.00,
 800.00, 900.00, 1000.00, 1100.00, 1200.00, 1300.00,
 1400.00, 1500.00, 1600.00, 1700.00, 1800.00, 1900.00,
 2000.00, 2100.00, 2200.00, 2300.00, 2400.00, 2500.00,
 2600.00, 2700.00, 2800.00, 2900.00, 3000.00, 3100.00,
 3200.00, 3300.00, 3400.00, 3500.00, 3600.00, 3700.00,
 3800.00, 3900.00, 4000.00, 4100.00, 4200.00, 4300.00,
 4400.00, 4500.00, 4600.00, 4700.00, 4800.00, 4900.00,
 5000.00,
 Y Axis of the grid system (Degrees)----- .00, 10.00,
 20.00, 30.00, 40.00, 50.00, 60.00, 70.00,
 80.00, 90.00, 100.00, 110.00, 120.00, 130.00,
 140.00, 150.00, 160.00, 170.00, 180.00, 190.00,
 200.00, 210.00, 220.00, 230.00, 240.00, 250.00,
 260.00, 270.00, 280.00, 290.00, 300.00, 310.00,
 320.00, 330.00, 340.00, 350.00, 360.00,

- Source Geometry/Emission Strength -

Material or fuel/explosive ----- ANFO
 Pollutant/species ----- S02
 Total number of sources ----- 1

Source Number	Ident	Reference System	Source Type	Emission Type
1	ANFO S02	Polar	Volume	Instantaneous

Table 1 (cont.)

- Program Input Data -

- Source Geometry/Emission Strength -

Source Number	X Coordinate	Y Coordinate	Z Elevation	Release Height	Emission Strength
1	.0 m	.0 d	.0 m	20.1~ m	1.00000E+04 lb

~ Means the value is defaulted for each hour of met. data.

Source Rect. Expan. Dist. / Reference Dist. /Air Entrain-/Dispersion Coeff.
 Number Crosswind Vertical/Crosswind Vertical/ment Coeff. /Crosswind Vertical

1	50.00 m	50.00 m	.00 m	.00 m	.640	1.000
---	---------	---------	-------	-------	------	-------

Source Number	Fuel Heat Content	Fuel Burn Rate	Fuel Burn Time	Initial Diameter
1	880.0 ca/g	1814370.0 g/s	2.5 s	40.12~ m

~ Means the value is defaulted for each hour of met. data.

- Pollutant/Species Material Characteristics -

Pollutant/species name	S02
Pollutant/species is	Gaseous
Particle material half-life	infinite
Molecular weight (g/g-mol)	64.0
Density of species (g/m**3)	1.0
Ratio of mass of pollutant/species (lb)	2.0
per mass of fuel or explosive (lb)	2000.0

- Meteorological Data -
 ([#-#] min-max limits)

Year [1900-2099]	2008
Month [1-12]	5
Day [1-31]	11
Hour (DST) [00-23]	1100
Minute	44
Julian day [1- 1]	132
Surface pressure (mb) [600.0-1100.0]	1000.00
Cloud cover (8ths) [0-8]	.00
Cloud ceiling (m) [.0-20000.0]	9999.00
Net radiation index [-2- 4]	0.
Pasquill stability category [A-F]	D

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Table 1 (cont.)

- Program Input Data -

- Meteorological Data -
 ([#-#] min-max limits)

Wind speed reference height (m)	10.00
Surface roughness length (cm) [.00-100.00]	.000
Vertical grad. of pot. temp. (C/m) [-5.000- 5.000]	.0
Reference wind speed (m/s) [1.0- 50.0]	5.000
Minimum (at 2m) wind speed (m/s)	4.257
Air temperature (C) [-60.0- 60.0]	20.000

OBODM S02.txt

Standard dev. of wind direction angle (d) [1.0000-80.0000]----- 8.0000
 Standard dev. wind elevation angle (d) [1.0000-50.0000]----- 4.8000
 Longitudinal turbulence intensity (d) [1.0000-106.4000]----- 10.6400
 Measurement time for std. dev. wind dir. angle (s) [2.5-3600.0]- 600.00
 Air humidity (%) (.0-100.0)----- 50.0
 Surface mixing layer height (m) [1.0-20000.0]----- 300.00
 Wind direction (From) (deg) [.0- 360.0]----- 270.0
 Wind-direction shear (d/m) [-45.0- 45.0]----- .00
 Wind-speed power law exponent [.000-5.000]----- .1
 Wind-speed shear (m/s) [.00- 20.00]----- Compute

- Other Required Data -

Averaging time (s) (time-average con.) ----- 3600.00

- Input/Output Files Used -

Input save data file name ----- Otay_S02.INP
 Output save data file name ----- OtayBS02.INP
 Print solution output file name ----- OtayBS02.OUT
 Sigma plot output solution file ----- 0_BL_S02
 ♀OBODM 1.3 ANFO S02 11/13/2012 pg 4

Table 2

- Maximum Cloud Plume Rise -

Source Number Distance	Name	Release Height	Cloud Rise Height	Total Cloud Height
1 ANFO S02		20.1 m	229.3 m	249.4 m 920.7

m
 ♀OBODM 1.3 ANFO S02 11/13/2012 pg 5

Table 3

S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

	- X Axis (Meters) -			
	.000	100.000	200.000	300.000
Y Axis (Degrees)	- Concentration -			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000

OBODM SO2.txt				
180.000	.000000	1.47177	.121783	.191352E-02
170.000	.000000	1.76000	.223596	.832707E-02
160.000	.000000	2.16030	.437642	.370439E-01
150.000	.000000	2.68247	.864841	.152404
140.000	.000000	3.31951	1.64762	.541125
130.000	.000000	4.03644	2.91662	1.58512
120.000	.000000	4.76355	4.66554	3.72605
110.000	.000000	5.40147	6.61098	6.91647
100.000	.000000	5.84188	8.18918	10.0514
90.000	.000000	5.99952	8.80201	11.3896
80.000	.000000	5.84188	8.18918	10.0514
70.000	.000000	5.40147	6.61098	6.91647
60.000	.000000	4.76355	4.66553	3.72605
50.000	.000000	4.03644	2.91662	1.58512
40.000	.000000	3.31951	1.64762	.541124
30.000	.000000	2.68247	.864839	.152404
20.000	.000000	2.16030	.437642	.370438E-01
10.000	.000000	1.76000	.223596	.832705E-02
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	400.000	500.000	600.000	700.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO SO2		11/13/2012 pg 6

Table 3 (cont.)
SO2 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	400.000	500.000	600.000	700.000
Y Axis (Degrees)	- Concentration -			

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.570925E-05	.323462E-08	.347991E-12	.710904E-17
170.000	.106796E-03	.543124E-06	.123948E-08	.141500E-11
160.000	.162271E-02	.434432E-04	.809425E-06	.116220E-07
150.000	.180387E-01	.165672E-02	.130751E-03	.953692E-05
140.000	.139513	.315165E-01	.670252E-02	.140678E-02
130.000	.737192	.317180	.132295	.548096E-01
120.000	2.65867	1.78727	1.16730	.754979
110.000	6.58733	5.92145	5.15572	4.39848

OBODM S02.txt				
100.000	11.3054	11.9838	12.2360	12.1434
90.000	13.5251	15.1229	16.2498	16.9212
80.000	11.3054	11.9838	12.2360	12.1434
70.000	6.58732	5.92143	5.15571	4.39847
60.000	2.65866	1.78726	1.16729	.754975
50.000	.737189	.317178	.132295	.548093E-01
40.000	.139512	.315163E-01	.670247E-02	.140677E-02
30.000	.180386E-01	.165670E-02	.130750E-03	.953682E-05
20.000	.162271E-02	.434429E-04	.809417E-06	.116218E-07
10.000	.106795E-03	.543119E-06	.123946E-08	.141497E-11
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
OBODM 1.3		ANFO S02		11/13/2012 pg 7

Table 3 (cont.)
S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	800.000	900.000	1000.000	1100.000
Y Axis (Degrees)	- Concentration -			
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651429E-21	.651428E-21	.651428E-21	.651429E-21
170.000	.889101E-15	.334493E-18	.155669E-20	.164989E-20
160.000	.139354E-09	.148690E-11	.148492E-13	.144521E-15
150.000	.677614E-06	.487271E-07	.354665E-08	.269938E-09
140.000	.296296E-03	.642385E-04	.145026E-04	.343286E-05
130.000	.229883E-01	.986024E-02	.435001E-02	.197971E-02
120.000	.488760	.318821	.210359	.140690
110.000	3.70884	3.10832	2.59869	2.17259
100.000	11.8062	11.3065	10.7079	10.0575
90.000	17.2077	17.1839	16.9200	16.4777
80.000	11.8062	11.3065	10.7079	10.0575
70.000	3.70883	3.10831	2.59867	2.17258
60.000	.488758	.318819	.210358	.140689
50.000	.229881E-01	.986016E-02	.434997E-02	.197969E-02
40.000	.296292E-03	.642376E-04	.145024E-04	.343280E-05
30.000	.677605E-06	.487261E-07	.354656E-08	.269930E-09

OBODM S02.txt				
20.000	.139351E-09	.148686E-11	.148487E-13	.144516E-15
10.000	.889073E-15	.334481E-18	.155669E-20	.164989E-20
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO S02		11/13/2012	pg 8

Table 3 (cont.)
S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Concentration -			

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651429E-21	.651429E-21	.651429E-21	.651429E-21
170.000	.174193E-20	.183248E-20	.192127E-20	.200803E-20
160.000	.141682E-17	.144015E-19	.285850E-20	.295054E-20
150.000	.217364E-10	.186612E-11	.171628E-12	.169548E-13
140.000	.855127E-06	.224522E-06	.621461E-07	.181202E-07
130.000	.930559E-03	.451813E-03	.226456E-03	.117052E-03
120.000	.954790E-01	.657735E-01	.459905E-01	.326301E-01
110.000	1.81927	1.52749	1.28687	1.08832
100.000	9.38923	8.72644	8.08475	7.47396
90.000	15.9091	15.2565	14.5535	13.8259
80.000	9.38921	8.72642	8.08473	7.47394
70.000	1.81926	1.52749	1.28686	1.08832
60.000	.954783E-01	.657730E-01	.459901E-01	.326298E-01
50.000	.930547E-03	.451807E-03	.226453E-03	.117050E-03
40.000	.855113E-06	.224518E-06	.621447E-07	.181198E-07
30.000	.217360E-10	.186606E-11	.171623E-12	.169540E-13
20.000	.141676E-17	.144008E-19	.285850E-20	.295054E-20
10.000	.174192E-20	.183248E-20	.192127E-20	.200802E-20
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000

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Table 3 (cont.)
S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

		- X Axis (Meters) -			
		1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)		- Concentration -			
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.651430E-21	.651430E-21	.651430E-21	.651430E-21	.651430E-21
170.000	.209253E-20	.217457E-20	.225397E-20	.233059E-20	.233059E-20
160.000	.303120E-20	.310084E-20	.315990E-20	.320889E-20	.320889E-20
150.000	.180106E-14	.205731E-15	.252494E-16	.332498E-17	.332498E-17
140.000	.555796E-08	.179024E-08	.604372E-09	.213398E-09	.213398E-09
130.000	.623149E-04	.341215E-04	.191896E-04	.110685E-04	.110685E-04
120.000	.234798E-01	.171259E-01	.126541E-01	.946657E-02	.946657E-02
110.000	.924218	.788233	.675270	.581025	.581025
100.000	6.89971	6.36531	5.87068	5.41549	5.41549
90.000	13.0934	12.3718	11.6695	10.9946	10.9946
80.000	6.89970	6.36529	5.87066	5.41548	5.41548
70.000	.924213	.788229	.675266	.581021	.581021
60.000	.234796E-01	.171257E-01	.126540E-01	.946647E-02	.946647E-02
50.000	.623140E-04	.341210E-04	.191893E-04	.110682E-04	.110682E-04
40.000	.555785E-08	.179021E-08	.604356E-09	.213393E-09	.213393E-09
30.000	.180098E-14	.205721E-15	.252482E-16	.332482E-17	.332482E-17
20.000	.303120E-20	.310083E-20	.315990E-20	.320889E-20	.320889E-20
10.000	.209252E-20	.217457E-20	.225397E-20	.233058E-20	.233058E-20
.000	.000000	.000000	.000000	.000000	.000000

		- X Axis (Meters) -			
		2000.000	2100.000	2200.000	2300.000
Y Axis (Degrees)		- Concentration -			
360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000

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OBODM S02.txt

Table 3 (cont.)
S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

		- X Axis (Meters) -		
		2000.000	2100.000	2200.000
Y Axis (Degrees)		Concentration		

310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651430E-21	.651430E-21	.651431E-21	.651431E-21
170.000	.240427E-20	.247489E-20	.254233E-20	.260646E-20
160.000	.324835E-20	.327886E-20	.330099E-20	.331532E-20
150.000	.468964E-18	.706992E-19	.113677E-19	.312580E-20
140.000	.786423E-10	.301846E-10	.120419E-10	.498339E-11
130.000	.653856E-05	.395071E-05	.243865E-05	.153578E-05
120.000	.716524E-02	.548416E-02	.424215E-02	.331456E-02
110.000	.502142	.435867	.379973	.332650
100.000	4.99824	4.61685	4.26897	3.95210
90.000	10.3517	9.74338	9.17099	8.63467
80.000	4.99822	4.61683	4.26896	3.95209
70.000	.502139	.435864	.379970	.332648
60.000	.716517E-02	.548408E-02	.424209E-02	.331452E-02
50.000	.653844E-05	.395062E-05	.243860E-05	.153575E-05
40.000	.786399E-10	.301838E-10	.120416E-10	.498324E-11
30.000	.468939E-18	.706962E-19	.113671E-19	.312580E-20
20.000	.324835E-20	.327886E-20	.330099E-20	.331532E-20
10.000	.240426E-20	.247489E-20	.254233E-20	.260646E-20
.000	.000000	.000000	.000000	.000000

		- X Axis (Meters) -		
		2400.000	2500.000	2600.000
Y Axis (Degrees)		Concentration		

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000

OBODM 1.3

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Table 3 (cont.)
S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

OBODM S02.txt				
- X Axis (Meters) -				
	2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)	- Concentration -			

300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651431E-21	.651431E-21	.651431E-21	.651431E-21
170.000	.266708E-20	.272378E-20	.277654E-20	.282946E-20
160.000	.332244E-20	.332291E-20	.331728E-20	.330609E-20
150.000	.306848E-20	.300712E-20	.294261E-20	.287568E-20
140.000	.213526E-11	.945547E-12	.432033E-12	.203324E-12
130.000	.985693E-06	.644067E-06	.428026E-06	.289038E-06
120.000	.261465E-02	.208133E-02	.167114E-02	.135284E-02
110.000	.292430	.258116	.228728	.203465
100.000	3.66373	3.40140	3.16275	2.94559
90.000	8.13379	7.66714	7.23318	6.83011
80.000	3.66372	3.40138	3.16274	2.94558
70.000	.292428	.258114	.228726	.203463
60.000	.261462E-02	.208130E-02	.167112E-02	.135283E-02
50.000	.985672E-06	.644054E-06	.428017E-06	.289031E-06
40.000	.213518E-11	.945511E-12	.432019E-12	.203318E-12
30.000	.306848E-20	.300713E-20	.294261E-20	.287568E-20
20.000	.332244E-20	.332291E-20	.331729E-20	.330609E-20
10.000	.266708E-20	.272378E-20	.277654E-20	.282945E-20
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -				
	2800.000	2900.000	3000.000	3100.000
Y Axis (Degrees)	Concentration			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

OBODM 1.3

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Table 3 (cont.)
S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	2800.000	2900.000	3000.000	3100.000
Y Axis (Degrees)	Concentration			

	290.000	.000000	.000000	.000000

OBODM S02.txt				
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651431E-21	.651431E-21	.651432E-21	.651432E-21
170.000	.287936E-20	.292626E-20	.297021E-20	.301124E-20
160.000	.328984E-20	.326902E-20	.324409E-20	.321547E-20
150.000	.280700E-20	.273717E-20	.266667E-20	.259596E-20
140.000	.984160E-13	.489238E-13	.249435E-13	.130267E-13
130.000	.198157E-06	.137812E-06	.971540E-07	.693780E-07
120.000	.110375E-02	.907231E-03	.750989E-03	.625851E-03
110.000	.181666	.162787	.146378	.132064
100.000	2.74785	2.56764	2.40323	2.25305
90.000	6.45600	6.10888	5.78680	5.48786
80.000	2.74784	2.56763	2.40322	2.25304
70.000	.181664	.162785	.146376	.132063
60.000	.110373E-02	.907218E-03	.750977E-03	.625842E-03
50.000	.198153E-06	.137809E-06	.971518E-07	.693762E-07
40.000	.984126E-13	.489215E-13	.249425E-13	.130260E-13
30.000	.280700E-20	.273717E-20	.266667E-20	.259596E-20
20.000	.328984E-20	.326902E-20	.324409E-20	.321547E-20
10.000	.287935E-20	.292626E-20	.297021E-20	.301123E-20
.000	.000000	.000000	.000000	.000000
		- X Axis (Meters) -		
	3200.000	3300.000	3400.000	3500.000
Y Axis (Degrees)	-	Concentration		-

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
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Table 3 (cont.)
S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

		- X Axis (Meters) -		
		3200.000	3300.000	3400.000
		3500.000		
Y Axis (Degrees)	-	Concentration		-

280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000

OBODM S02.txt				
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651432E-21	.651432E-21	.651432E-21	.651433E-21
170.000	.304940E-20	.308474E-20	.311733E-20	.314722E-20
160.000	.318359E-20	.314880E-20	.311149E-20	.307195E-20
150.000	.252539E-20	.245549E-20	.238620E-20	.231790E-20
140.000	.696030E-14	.380055E-14	.211856E-14	.120441E-14
130.000	.501519E-07	.366764E-07	.271186E-07	.202627E-07
120.000	.524918E-03	.442956E-03	.375969E-03	.320883E-03
110.000	.119535	.108530	.988309E-01	.904267E-01
100.000	2.11567	1.99408	1.87732	1.77031
90.000	5.21023	4.96129	4.71856	4.49321
80.000	2.11566	1.99408	1.87731	1.77030
70.000	.119534	.108529	.988301E-01	.904260E-01
60.000	.524910E-03	.442949E-03	.375963E-03	.320878E-03
50.000	.501504E-07	.366753E-07	.271181E-07	.202622E-07
40.000	.695996E-14	.380042E-14	.211848E-14	.120435E-14
30.000	.252539E-20	.245549E-20	.238620E-20	.231790E-20
20.000	.318359E-20	.314881E-20	.311149E-20	.307196E-20
10.000	.304939E-20	.308474E-20	.311733E-20	.314722E-20
.000	.000000	.000000	.000000	.000000
	3600.000	- X Axis (Meters) -	3800.000	3900.000
Y Axis (Degrees)	-	Concentration	-	-

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
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Table 3 (cont.)
S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	3600.000	3700.000	3800.000	3900.000
Y Axis (Degrees)	-	Concentration	-	-

270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651433E-21	.651432E-21	.651433E-21	.651433E-21
170.000	.317449E-20	.319920E-20	.322142E-20	.324123E-20
160.000	.303052E-20	.298746E-20	.294303E-20	.289748E-20
150.000	.225076E-20	.218495E-20	.212059E-20	.205777E-20
140.000	.697666E-15	.411406E-15	.246768E-15	.150441E-15
130.000	.152916E-07	.116499E-07	.895593E-08	.694435E-08

OBODM S02.txt				
120.000	.275314E-03	.237404E-03	.206083E-03	.179294E-03
110.000	.827665E-01	.759625E-01	.698985E-01	.644768E-01
100.000	1.67203	1.58156	1.49811	1.42098
90.000	4.28363	4.08838	3.90618	3.73590
80.000	1.67202	1.58155	1.49810	1.42097
70.000	.827657E-01	.759618E-01	.698979E-01	.644763E-01
60.000	.275309E-03	.237401E-03	.206080E-03	.179291E-03
50.000	.152912E-07	.116496E-07	.895570E-08	.694412E-08
40.000	.697630E-15	.411387E-15	.246758E-15	.150434E-15
30.000	.225076E-20	.218495E-20	.212059E-20	.205777E-20
20.000	.303052E-20	.298746E-20	.294303E-20	.289748E-20
10.000	.317449E-20	.319920E-20	.322142E-20	.324123E-20
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	4000.000	4100.000	4200.000	4300.000
Y Axis (Degrees)	- Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
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Table 3 (cont.)
S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	4000.000	4100.000	4200.000	4300.000
Y Axis (Degrees)	- Concentration -			

260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651434E-21	.651433E-21	.651433E-21	.651434E-21
170.000	.325870E-20	.327390E-20	.328692E-20	.329783E-20
160.000	.285101E-20	.280384E-20	.275613E-20	.270805E-20
150.000	.199658E-20	.193706E-20	.187925E-20	.182318E-20
140.000	.931492E-16	.585373E-16	.373105E-16	.241057E-16
130.000	.542887E-08	.427739E-08	.340337E-08	.271947E-08
120.000	.156682E-03	.137501E-03	.121154E-03	.107158E-03
110.000	.596145E-01	.552411E-01	.512965E-01	.477293E-01
100.000	1.34955	1.28330	1.22172	1.16441
90.000	3.57652	3.42712	3.28689	3.15510
80.000	1.34955	1.28329	1.22172	1.16441
70.000	.596140E-01	.552406E-01	.512960E-01	.477288E-01
60.000	.156680E-03	.137499E-03	.121152E-03	.107156E-03
50.000	.542872E-08	.427727E-08	.340329E-08	.271938E-08

OBODM S02.txt				
40.000	.931450E-16	.585344E-16	.373091E-16	.241048E-16
30.000	.199658E-20	.193706E-20	.187925E-20	.182318E-20
20.000	.285101E-20	.280384E-20	.275613E-20	.270806E-20
10.000	.325870E-20	.327390E-20	.328692E-20	.329782E-20
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	4400.000	4500.000	4600.000	4700.000
Y Axis (Degrees)	Concentration			
360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO S02			

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Table 3 (cont.)
S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

- X Axis (Meters) -				
	4400.000	4500.000	4600.000	4700.000
Y Axis (Degrees)	Concentration			
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.651434E-21	.651434E-21	.651435E-21	.651435E-21
170.000	.330670E-20	.331361E-20	.331865E-20	.332187E-20
160.000	.265976E-20	.261138E-20	.256304E-20	.251485E-20
150.000	.176885E-20	.171627E-20	.166541E-20	.161626E-20
140.000	.157775E-16	.104556E-16	.701166E-17	.475597E-17
130.000	.218802E-08	.177204E-08	.144416E-08	.118401E-08
120.000	.951225E-04	.847314E-04	.757246E-04	.678882E-04
110.000	.444951E-01	.415559E-01	.388784E-01	.364342E-01
100.000	1.11098	1.06109	1.01444	.970755
90.000	3.03107	2.91422	2.80400	2.69992
80.000	1.11097	1.06108	1.01443	.970751
70.000	.444947E-01	.415555E-01	.388781E-01	.364338E-01
60.000	.951209E-04	.847300E-04	.757233E-04	.678870E-04
50.000	.218796E-08	.177199E-08	.144413E-08	.118397E-08
40.000	.157768E-16	.104551E-16	.701129E-17	.475568E-17
30.000	.176886E-20	.171627E-20	.166541E-20	.161627E-20
20.000	.265976E-20	.261139E-20	.256304E-20	.251485E-20
10.000	.330670E-20	.331361E-20	.331865E-20	.332187E-20
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	4800.000	4900.000	5000.000	

OBODM S02.txt			
Y Axis (Degrees)	-	Concentration	-

360.000	.000000	.000000	.000000
350.000	.000000	.000000	.000000
340.000	.000000	.000000	.000000
330.000	.000000	.000000	.000000
320.000	.000000	.000000	.000000
310.000	.000000	.000000	.000000
300.000	.000000	.000000	.000000
290.000	.000000	.000000	.000000
280.000	.000000	.000000	.000000
270.000	.000000	.000000	.000000
260.000	.000000	.000000	.000000
250.000	.000000	.000000	.000000
OBODM 1.3	ANFO S02	11/13/2012 pg	17

Table 3 (cont.)
S02 Peak Concentration (Micrograms/Cubic Meter)

(Maximum = 17.208 at x = 800.00, Y = 90.00)

- X Axis (Meters) -			
4800.000	4900.000	5000.000	
Y Axis (Degrees)	-	Concentration	-

240.000	.000000	.000000	.000000
230.000	.000000	.000000	.000000
220.000	.000000	.000000	.000000
210.000	.000000	.000000	.000000
200.000	.000000	.000000	.000000
190.000	.000000	.000000	.000000
180.000	.651435E-21	.651435E-21	.651435E-21
170.000	.332336E-20	.332319E-20	.332144E-20
160.000	.246707E-20	.241949E-20	.237232E-20
150.000	.156880E-20	.152299E-20	.147880E-20
140.000	.326135E-17	.225996E-17	.158565E-17
130.000	.976277E-09	.809400E-09	.674556E-09
120.000	.610454E-04	.550500E-04	.497796E-04
110.000	.341979E-01	.321478E-01	.302647E-01
100.000	.929797	.891344	.855197
90.000	2.60152	2.50841	2.42021
80.000	.929793	.891340	.855193
70.000	.341975E-01	.321475E-01	.302645E-01
60.000	.610444E-04	.550492E-04	.497788E-04
50.000	.976249E-09	.809374E-09	.674534E-09
40.000	.326115E-17	.225984E-17	.158557E-17
30.000	.156880E-20	.152299E-20	.147880E-20
20.000	.246708E-20	.241949E-20	.237232E-20
10.000	.332336E-20	.332319E-20	.332144E-20
.000	.000000	.000000	.000000
OBODM 1.3	ANFO S02	11/13/2012 pg	18

Table 4
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -			
.000	100.000	200.000	300.000
Y Axis (Degrees)	-	Time-Average Concentration	-

OBODM S02.txt

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.000000	.119014E-01	.984793E-03	.154736E-04
170.000	.000000	.146892E-01	.192442E-02	.738457E-04
160.000	.000000	.185759E-01	.398893E-02	.356891E-03
150.000	.000000	.237038E-01	.829776E-02	.157912E-02
140.000	.000000	.300489E-01	.165279E-01	.596672E-02
130.000	.000000	.372921E-01	.303649E-01	.183993E-01
120.000	.000000	.447327E-01	.500179E-01	.450263E-01
110.000	.000000	.513284E-01	.723905E-01	.860334E-01
100.000	.000000	.559149E-01	.908261E-01	.127229
90.000	.000000	.575627E-01	.980414E-01	.145011
80.000	.000000	.559149E-01	.908261E-01	.127229
70.000	.000000	.513284E-01	.723905E-01	.860334E-01
60.000	.000000	.447327E-01	.500178E-01	.450262E-01
50.000	.000000	.372920E-01	.303648E-01	.183993E-01
40.000	.000000	.300488E-01	.165279E-01	.596671E-02
30.000	.000000	.237038E-01	.829774E-02	.157912E-02
20.000	.000000	.185759E-01	.398893E-02	.356890E-03
10.000	.000000	.146892E-01	.192442E-02	.738455E-04
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

OBODM 1.3 360.000 .000000 .000000 .000000 .000000
ANFO S02 11/13/2012 pg 19

Table 4 (cont.)
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -
400.000 500.000 600.000 700.000

Y Axis (Degrees) - Time-Average Concentration -

350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

OBODM S02.txt					
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.461676E-07	.261566E-10	.281401E-14	.574869E-19	
170.000	.975110E-06	.510211E-08	.119714E-10	.140424E-13	
160.000	.164838E-04	.464261E-06	.908192E-08	.136669E-09	
150.000	.200925E-03	.197609E-04	.166470E-05	.129276E-06	
140.000	.167990E-02	.412280E-03	.949055E-04	.215459E-04	
130.000	.946281E-02	.447672E-02	.204585E-02	.912088E-03	
120.000	.358798E-01	.268098E-01	.191270E-01	.133758E-01	
110.000	.921696E-01	.925000E-01	.879822E-01	.814148E-01	
100.000	.161692	.191354	.213899	.230671	
90.000	.194869	.243242	.286340	.324194	
80.000	.161692	.191354	.213899	.230670	
70.000	.921695E-01	.924998E-01	.879820E-01	.814146E-01	
60.000	.358797E-01	.268098E-01	.191269E-01	.133757E-01	
50.000	.946278E-02	.447670E-02	.204584E-02	.912082E-03	
40.000	.167989E-02	.412278E-03	.949047E-04	.215456E-04	
30.000	.200924E-03	.197607E-04	.166468E-05	.129275E-06	
20.000	.164837E-04	.464258E-06	.908182E-08	.136667E-09	
10.000	.975103E-06	.510205E-08	.119713E-10	.140421E-13	
.000	.000000	.000000	.000000	.000000	
	800.000	- X Axis (Meters) -	900.000	1000.000	1100.000
Y Axis (Degrees)		- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000	
350.000	.000000	.000000	.000000	.000000	
OBODM 1.3		ANFO S02		11/13/2012 pg	20

Table 4 (cont.)
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

- X Axis (Meters) -					
	800.000	900.000	1000.000	1100.000	
Y Axis (Degrees)		- Time-Average Concentration -			

340.000	.000000	.000000	.000000	.000000	
330.000	.000000	.000000	.000000	.000000	
320.000	.000000	.000000	.000000	.000000	
310.000	.000000	.000000	.000000	.000000	
300.000	.000000	.000000	.000000	.000000	
290.000	.000000	.000000	.000000	.000000	
280.000	.000000	.000000	.000000	.000000	
270.000	.000000	.000000	.000000	.000000	
260.000	.000000	.000000	.000000	.000000	
250.000	.000000	.000000	.000000	.000000	
240.000	.000000	.000000	.000000	.000000	
230.000	.000000	.000000	.000000	.000000	
220.000	.000000	.000000	.000000	.000000	

OBODM S02.txt				
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526775E-23	.526775E-23	.526775E-23	.526775E-23
170.000	.906051E-17	.349829E-20	.166995E-22	.181455E-22
160.000	.171481E-11	.191203E-13	.199310E-15	.202299E-17
150.000	.976304E-08	.746325E-09	.570456E-10	.454916E-11
140.000	.483050E-05	.111074E-05	.265095E-06	.661435E-07
130.000	.409618E-03	.187311E-03	.877623E-04	.422751E-04
120.000	.931021E-02	.649792E-02	.456775E-02	.324255E-02
110.000	.740111E-01	.665227E-01	.593754E-01	.527838E-01
100.000	.242154	.249045	.252096	.252040
90.000	.356160	.382120	.402306	.417170
80.000	.242154	.249044	.252096	.252039
70.000	.740109E-01	.665225E-01	.593751E-01	.527836E-01
60.000	.931016E-02	.649788E-02	.456773E-02	.324252E-02
50.000	.409615E-03	.187310E-03	.877615E-04	.422746E-04
40.000	.483045E-05	.111072E-05	.265091E-06	.661425E-07
30.000	.976290E-08	.746310E-09	.570442E-10	.454904E-11
20.000	.171477E-11	.191197E-13	.199304E-15	.202291E-17
10.000	.906022E-17	.349816E-20	.166995E-22	.181455E-22
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO S02		11/13/2012 pg 21	

OBODM 1.3 ANFO S02 11/13/2012 pg 21

Table 4 (cont.)				
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)				
(Maximum = .43573 at x = 1400.00, Y = 90.00				
	- X Axis (Meters) -			
	1200.000	1300.000	1400.000	1500.000
Y Axis (Degrees)	- Time-Average Concentration -			

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526775E-23	.526775E-23	.526776E-23	.526776E-23
170.000	.196313E-22	.211527E-22	.227058E-22	.242867E-22
160.000	.206733E-19	.219223E-21	.450474E-22	.480482E-22
150.000	.383021E-12	.343180E-13	.328824E-14	.337880E-15
140.000	.173221E-07	.477021E-08	.138186E-08	.420847E-09

OBODM S02.txt				
130.000	.209688E-04	.107139E-04	.563717E-05	.305190E-05
120.000	.232789E-02	.169138E-02	.124402E-02	.926171E-03
110.000	.468332E-01	.415336E-01	.368542E-01	.327443E-01
100.000	.249537	.245164	.239407	.232665
90.000	.427285	.433267	.435730	.435258
80.000	.249537	.245164	.239406	.232664
70.000	.468330E-01	.415334E-01	.368540E-01	.327441E-01
60.000	.232787E-02	.169137E-02	.124401E-02	.926161E-03
50.000	.209685E-04	.107138E-04	.563709E-05	.305185E-05
40.000	.173218E-07	.477012E-08	.138182E-08	.420838E-09
30.000	.383014E-12	.343169E-13	.328813E-14	.337865E-15
20.000	.206725E-19	.219211E-21	.450474E-22	.480482E-22
10.000	.196313E-22	.211527E-22	.227058E-22	.242866E-22
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO S02		11/13/2012 pg 22	

Table 4 (cont.)
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

- X Axis (Meters) -				
	1600.000	1700.000	1800.000	1900.000
Y Axis (Degrees)	- Time-Average Concentration -			
	-----	-----	-----	-----
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526776E-23	.526776E-23	.526776E-23	.526777E-23
170.000	.258916E-22	.275168E-22	.291590E-22	.308151E-22
160.000	.509547E-22	.537554E-22	.564408E-22	.590036E-22
150.000	.372779E-16	.441651E-17	.561473E-18	.764977E-19
140.000	.134588E-09	.451237E-10	.158319E-10	.580145E-11
130.000	.169829E-05	.970206E-06	.568290E-06	.340854E-06
120.000	.697788E-03	.531818E-03	.409846E-03	.319246E-03
110.000	.291456E-01	.259991E-01	.232514E-01	.208481E-01
100.000	.225263	.217480	.209494	.201474
90.000	.432382	.427624	.421345	.413930
80.000	.225262	.217479	.209493	.201474
70.000	.291454E-01	.259989E-01	.232512E-01	.208480E-01
60.000	.697781E-03	.531813E-03	.409842E-03	.319243E-03

OBODM S02.txt				
50.000	.169827E-05	.970191E-06	.568281E-06	.340848E-06
40.000	.134585E-09	.451229E-10	.158315E-10	.580129E-11
30.000	.372763E-16	.441629E-17	.561447E-18	.764939E-19
20.000	.509547E-22	.537554E-22	.564408E-22	.590035E-22
10.000	.258915E-22	.275168E-22	.291590E-22	.308150E-22
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
	2000.000	2100.000	2200.000	2300.000
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
OBODM 1.3	ANFO S02		11/13/2012 pg 23	

Table 4 (cont.)
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -					
	2000.000	2100.000	2200.000	2300.000	
Y Axis (Degrees)	- Time-Average Concentration -				

310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.526777E-23	.526777E-23	.526777E-23	.526777E-23	.526777E-23
170.000	.324822E-22	.341576E-22	.358394E-22	.375261E-22	.375261E-22
160.000	.614380E-22	.637401E-22	.659074E-22	.679385E-22	.679385E-22
150.000	.111505E-19	.173546E-20	.287800E-21	.815444E-22	.815444E-22
140.000	.221586E-11	.880396E-12	.363158E-12	.155225E-12	.155225E-12
130.000	.209077E-06	.130993E-06	.837383E-07	.545493E-07	.545493E-07
120.000	.251204E-03	.199591E-03	.160054E-03	.129483E-03	.129483E-03
110.000	.187452E-01	.169027E-01	.152858E-01	.138642E-01	.138642E-01
100.000	.193541	.185785	.178270	.171040	.171040
90.000	.405687	.396874	.387703	.378348	.378348
80.000	.193541	.185784	.178269	.171040	.171040
70.000	.187451E-01	.169026E-01	.152857E-01	.138641E-01	.138641E-01
60.000	.251202E-03	.199588E-03	.160052E-03	.129481E-03	.129481E-03
50.000	.209073E-06	.130990E-06	.837365E-07	.545482E-07	.545482E-07
40.000	.221579E-11	.880372E-12	.363147E-12	.155220E-12	.155220E-12
30.000	.111499E-19	.173538E-20	.287783E-21	.815444E-22	.815444E-22
20.000	.614380E-22	.637401E-22	.659073E-22	.679384E-22	.679384E-22
10.000	.324821E-22	.341576E-22	.358393E-22	.375260E-22	.375260E-22
.000	.000000	.000000	.000000	.000000	.000000
- X Axis (Meters) -					

		OBODM S02.txt			
		2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)		- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000
♀OBODM 1.3		ANFO S02		11/13/2012 pg	24

Table 4 (cont.)
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00)

		- X Axis (Meters) -			
		2400.000	2500.000	2600.000	2700.000
Y Axis (Degrees)		- Time-Average Concentration -			

300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.526777E-23	.526777E-23	.526777E-23	.526778E-23	.526778E-23
170.000	.392172E-22	.409143E-22	.425900E-22	.441562E-22	.441562E-22
160.000	.698333E-22	.715925E-22	.732179E-22	.747118E-22	.747118E-22
150.000	.824127E-22	.830817E-22	.835664E-22	.838816E-22	.838816E-22
140.000	.686261E-13	.313263E-13	.147415E-13	.713919E-14	.713919E-14
130.000	.361751E-07	.243982E-07	.167198E-07	.116321E-07	.116321E-07
120.000	.105633E-03	.868665E-04	.719790E-04	.600764E-04	.600764E-04
110.000	.126117E-01	.115059E-01	.105274E-01	.965957E-02	.965957E-02
100.000	.164125	.157540	.151291	.145378	.145378
90.000	.368946	.359605	.350409	.341418	.341418
80.000	.164124	.157539	.151291	.145377	.145377
70.000	.126116E-01	.115058E-01	.105274E-01	.965951E-02	.965951E-02
60.000	.105632E-03	.868654E-04	.719782E-04	.600756E-04	.600756E-04
50.000	.361743E-07	.243977E-07	.167195E-07	.116318E-07	.116318E-07
40.000	.686232E-13	.313251E-13	.147410E-13	.713897E-14	.713897E-14
30.000	.824126E-22	.830817E-22	.835664E-22	.838816E-22	.838816E-22
20.000	.698332E-22	.715925E-22	.732179E-22	.747118E-22	.747118E-22
10.000	.392171E-22	.409142E-22	.425899E-22	.441561E-22	.441561E-22
.000	.000000	.000000	.000000	.000000	.000000
		- X Axis (Meters) -			
		2800.000	2900.000	3000.000	3100.000
Y Axis (Degrees)		- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000

OBODM S02.txt

330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000

♀OBODM 1.3 ANFO S02 11/13/2012 pg 25

Table 4 (cont.)
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00

		- X Axis (Meters) -			
		2800.000	2900.000	3000.000	3100.000
Y Axis (Degrees)		- Time-Average Concentration -			

290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.526778E-23	.526778E-23	.526778E-23	.526778E-23	.526778E-23
170.000	.457029E-22	.472280E-22	.487297E-22	.502063E-22	.502063E-22
160.000	.760772E-22	.773175E-22	.784366E-22	.794387E-22	.794387E-22
150.000	.840415E-22	.840600E-22	.839504E-22	.837249E-22	.837249E-22
140.000	.355315E-14	.181481E-14	.949992E-15	.509044E-15	.509044E-15
130.000	.820874E-08	.587175E-08	.425422E-08	.311993E-08	.311993E-08
120.000	.504892E-04	.427116E-04	.363591E-04	.311366E-04	.311366E-04
110.000	.888799E-02	.820031E-02	.758589E-02	.703554E-02	.703554E-02
100.000	.139793	.134526	.129563	.124889	.124889
90.000	.332676	.324213	.316047	.308186	.308186
80.000	.139792	.134525	.129562	.124889	.124889
70.000	.888791E-02	.820024E-02	.758583E-02	.703549E-02	.703549E-02
60.000	.504884E-04	.427110E-04	.363585E-04	.311362E-04	.311362E-04
50.000	.820860E-08	.587164E-08	.425413E-08	.311985E-08	.311985E-08
40.000	.355303E-14	.181472E-14	.949953E-15	.509016E-15	.509016E-15
30.000	.840415E-22	.840600E-22	.839503E-22	.837250E-22	.837250E-22
20.000	.760772E-22	.773175E-22	.784366E-22	.794386E-22	.794386E-22
10.000	.457028E-22	.472279E-22	.487296E-22	.502062E-22	.502062E-22
.000	.000000	.000000	.000000	.000000	.000000

		- X Axis (Meters) -			
		3200.000	3300.000	3400.000	3500.000
Y Axis (Degrees)		- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000

♀OBODM 1.3 ANFO S02 11/13/2012 pg 26

Table 4 (cont.)

OBODM S02.txt
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00)

		- X Axis (Meters) -			
		3200.000	3300.000	3400.000	3500.000
Y Axis (Degrees)		- Time-Average Concentration -			

280.000	.000000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000	.000000
250.000	.000000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000	.000000
180.000	.526779E-23	.526779E-23	.526779E-23	.526779E-23	.526779E-23
170.000	.516563E-22	.530783E-22	.544712E-22	.558338E-22	.558338E-22
160.000	.803281E-22	.811096E-22	.817877E-22	.823674E-22	.823674E-22
150.000	.833956E-22	.829801E-22	.824781E-22	.819040E-22	.819040E-22
140.000	.278887E-15	.156049E-15	.890873E-16	.518408E-16	.518408E-16
130.000	.231459E-08	.173601E-08	.131565E-08	.100699E-08	.100699E-08
120.000	.268164E-04	.232210E-04	.202116E-04	.176789E-04	.176789E-04
110.000	.654136E-02	.609645E-02	.569491E-02	.534173E-02	.534173E-02
100.000	.120489	.116594	.112619	.108890	.108890
90.000	.300634	.293924	.286823	.280058	.280058
80.000	.120488	.116594	.112618	.108889	.108889
70.000	.654129E-02	.609640E-02	.569487E-02	.534169E-02	.534169E-02
60.000	.268160E-04	.232206E-04	.202113E-04	.176787E-04	.176787E-04
50.000	.231452E-08	.173596E-08	.131563E-08	.100696E-08	.100696E-08
40.000	.278874E-15	.156044E-15	.890843E-16	.518382E-16	.518382E-16
30.000	.833957E-22	.829801E-22	.824781E-22	.819040E-22	.819040E-22
20.000	.803281E-22	.811095E-22	.817877E-22	.823674E-22	.823674E-22
10.000	.516562E-22	.530782E-22	.544711E-22	.558337E-22	.558337E-22
.000	.000000	.000000	.000000	.000000	.000000

		- X Axis (Meters) -			
		3600.000	3700.000	3800.000	3900.000
Y Axis (Degrees)		- Time-Average Concentration -			

360.000	.000000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000	.000000

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Table 4 (cont.)
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00)

		- X Axis (Meters) -			
		3600.000	3700.000	3800.000	3900.000

OBODM S02.txt

Y Axis (Degrees) - Time-Average Concentration -

```

-----
270.000 .000000 .000000 .000000 .000000
260.000 .000000 .000000 .000000 .000000
250.000 .000000 .000000 .000000 .000000
240.000 .000000 .000000 .000000 .000000
230.000 .000000 .000000 .000000 .000000
220.000 .000000 .000000 .000000 .000000
210.000 .000000 .000000 .000000 .000000
200.000 .000000 .000000 .000000 .000000
190.000 .000000 .000000 .000000 .000000
180.000 .526779E-23 .526779E-23 .526780E-23 .526780E-23
170.000 .571651E-22 .584643E-22 .597307E-22 .609636E-22
160.000 .828535E-22 .832507E-22 .835638E-22 .837976E-22
150.000 .812669E-22 .805753E-22 .798367E-22 .790584E-22
140.000 .307209E-16 .185236E-16 .113554E-16 .707194E-17
130.000 .778009E-09 .606493E-09 .476829E-09 .377936E-09
120.000 .155362E-04 .137141E-04 .121801E-04 .108364E-04
110.000 .500922E-02 .470755E-02 .443310E-02 .418272E-02
100.000 .105385 .102086 .989754E-01 .960388E-01
 90.000 .273604 .267441 .261549 .255912
 80.000 .105384 .102085 .989750E-01 .960384E-01
 70.000 .500917E-02 .470751E-02 .443306E-02 .418269E-02
 60.000 .155359E-04 .137139E-04 .121799E-04 .108362E-04
 50.000 .777988E-09 .606477E-09 .476816E-09 .377923E-09
 40.000 .307192E-16 .185228E-16 .113550E-16 .707160E-17
 30.000 .812669E-22 .805753E-22 .798368E-22 .790584E-22
 20.000 .828535E-22 .832507E-22 .835638E-22 .837976E-22
 10.000 .571650E-22 .584642E-22 .597306E-22 .609635E-22
  .000 .000000 .000000 .000000 .000000

```

- X Axis (Meters) -
4000.000 4100.000 4200.000 4300.000

Y Axis (Degrees) - Time-Average Concentration -

```

-----
360.000 .000000 .000000 .000000 .000000
350.000 .000000 .000000 .000000 .000000
340.000 .000000 .000000 .000000 .000000
330.000 .000000 .000000 .000000 .000000
320.000 .000000 .000000 .000000 .000000
310.000 .000000 .000000 .000000 .000000
300.000 .000000 .000000 .000000 .000000
290.000 .000000 .000000 .000000 .000000
280.000 .000000 .000000 .000000 .000000
270.000 .000000 .000000 .000000 .000000

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OBODM 1.3

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Table 4 (cont.)
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -
4000.000 4100.000 4200.000 4300.000

Y Axis (Degrees) - Time-Average Concentration -

```

-----
260.000 .000000 .000000 .000000 .000000
250.000 .000000 .000000 .000000 .000000
240.000 .000000 .000000 .000000 .000000

```

OBODM S02.txt

230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526780E-23	.526780E-23	.526780E-23	.526781E-23
170.000	.621626E-22	.633272E-22	.644571E-22	.655521E-22
160.000	.839566E-22	.840453E-22	.840682E-22	.840295E-22
150.000	.782468E-22	.774079E-22	.765470E-22	.756689E-22
140.000	.447113E-17	.286781E-17	.186488E-17	.122877E-17
130.000	.301874E-09	.242900E-09	.197290E-09	.160859E-09
120.000	.967909E-05	.867790E-05	.780806E-05	.704923E-05
110.000	.395373E-02	.374377E-02	.355081E-02	.337309E-02
100.000	.932622E-01	.906334E-01	.881412E-01	.857758E-01
90.000	.250512	.245336	.240369	.235599
80.000	.932618E-01	.906330E-01	.881409E-01	.857754E-01
70.000	.395369E-02	.374373E-02	.355078E-02	.337306E-02
60.000	.967894E-05	.867776E-05	.780793E-05	.704909E-05
50.000	.301865E-09	.242893E-09	.197285E-09	.160853E-09
40.000	.447092E-17	.286767E-17	.186481E-17	.122873E-17
30.000	.782469E-22	.774079E-22	.765470E-22	.756690E-22
20.000	.839566E-22	.840453E-22	.840682E-22	.840295E-22
10.000	.621625E-22	.633271E-22	.644570E-22	.655520E-22
.000	.000000	.000000	.000000	.000000

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

360.000	.000000	.000000	.000000	.000000
350.000	.000000	.000000	.000000	.000000
340.000	.000000	.000000	.000000	.000000
330.000	.000000	.000000	.000000	.000000
320.000	.000000	.000000	.000000	.000000
310.000	.000000	.000000	.000000	.000000
300.000	.000000	.000000	.000000	.000000
290.000	.000000	.000000	.000000	.000000
280.000	.000000	.000000	.000000	.000000
270.000	.000000	.000000	.000000	.000000
260.000	.000000	.000000	.000000	.000000

OBODM 1.3

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Table 4 (cont.)
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)

(Maximum = .43573 at x = 1400.00, Y = 90.00)

- X Axis (Meters) -

4400.000 4500.000 4600.000 4700.000

Y Axis (Degrees) - Time-Average Concentration -

250.000	.000000	.000000	.000000	.000000
240.000	.000000	.000000	.000000	.000000
230.000	.000000	.000000	.000000	.000000
220.000	.000000	.000000	.000000	.000000
210.000	.000000	.000000	.000000	.000000
200.000	.000000	.000000	.000000	.000000
190.000	.000000	.000000	.000000	.000000
180.000	.526781E-23	.526780E-23	.526781E-23	.526781E-23
170.000	.666121E-22	.676368E-22	.686264E-22	.695809E-22
160.000	.839332E-22	.837834E-22	.835838E-22	.833380E-22

OBODM S02.txt				
150.000	.747782E-22	.738786E-22	.729738E-22	.720668E-22
140.000	.819892E-18	.553705E-18	.378273E-18	.261296E-18
130.000	.132009E-09	.109006E-09	.905438E-10	.756324E-10
120.000	.638462E-05	.580038E-05	.528500E-05	.482879E-05
110.000	.320904E-02	.305731E-02	.291670E-02	.278616E-02
100.000	.835279E-01	.813893E-01	.793526E-01	.774107E-01
90.000	.231015	.226606	.222362	.218274
80.000	.835275E-01	.813890E-01	.793522E-01	.774104E-01
70.000	.320901E-02	.305728E-02	.291668E-02	.278613E-02
60.000	.638451E-05	.580029E-05	.528490E-05	.482871E-05
50.000	.132005E-09	.109003E-09	.905414E-10	.756302E-10
40.000	.819855E-18	.553675E-18	.378253E-18	.261280E-18
30.000	.747782E-22	.738786E-22	.729738E-22	.720668E-22
20.000	.839332E-22	.837834E-22	.835838E-22	.833380E-22
10.000	.666120E-22	.676367E-22	.686263E-22	.695808E-22
.000	.000000	.000000	.000000	.000000
- X Axis (Meters) -				
4800.000 4900.000 5000.000				
Y Axis (Degrees)	- Time-Average Concentration -			

360.000	.000000	.000000	.000000	
350.000	.000000	.000000	.000000	
340.000	.000000	.000000	.000000	
330.000	.000000	.000000	.000000	
320.000	.000000	.000000	.000000	
310.000	.000000	.000000	.000000	
300.000	.000000	.000000	.000000	
290.000	.000000	.000000	.000000	
280.000	.000000	.000000	.000000	
270.000	.000000	.000000	.000000	
260.000	.000000	.000000	.000000	
250.000	.000000	.000000	.000000	
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Table 4 (cont.)				
S02 Time-Average {1-hr} Concentration (Micrograms/Cubic Meter)				
(Maximum = .43573 at x = 1400.00, Y = 90.00				
- X Axis (Meters) -				
4800.000 4900.000 5000.000				
Y Axis (Degrees)	- Time-Average Concentration -			

240.000	.000000	.000000	.000000	
230.000	.000000	.000000	.000000	
220.000	.000000	.000000	.000000	
210.000	.000000	.000000	.000000	
200.000	.000000	.000000	.000000	
190.000	.000000	.000000	.000000	
180.000	.526782E-23	.526782E-23	.526782E-23	
170.000	.705004E-22	.713851E-22	.722352E-22	
160.000	.830558E-22	.827296E-22	.823676E-22	
150.000	.711604E-22	.702570E-22	.693588E-22	
140.000	.182415E-18	.128646E-18	.918340E-19	
130.000	.635167E-10	.536164E-10	.454813E-10	
120.000	.442364E-05	.406275E-05	.374031E-05	
110.000	.266473E-02	.255160E-02	.244602E-02	
100.000	.755575E-01	.737872E-01	.720945E-01	
90.000	.214333	.210533	.206865	
80.000	.755572E-01	.737869E-01	.720942E-01	
70.000	.266470E-02	.255158E-02	.244600E-02	
60.000	.442357E-05	.406269E-05	.374025E-05	

OBODM S02.txt			
50.000	.635149E-10	.536146E-10	.454798E-10
40.000	.182404E-18	.128639E-18	.918295E-19
30.000	.711604E-22	.702570E-22	.693589E-22
20.000	.830558E-22	.827296E-22	.823676E-22
10.000	.705003E-22	.713850E-22	.722351E-22
.000	.000000	.000000	.000000

Elapsed run time = 0 hours, 1.35 minutes.

*** end of OBODM ***

APPENDIX F

CALINE4 CO HOT-SPOT DISPERSION MODELING DATA FILES

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: ALTA RD AND OTAY MESA RD AMWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	TYPE	VPH	EF (G/MI)	H (M)	W (M)
	*	X1	Y1	X2	Y2	*					
A. NF	*	2	-450	2	-150	*	AG	5	1.4	.0	10.5
B. NA	*	2	-150	2	0	*	AG	5	2.6	.0	9.9
C. ND	*	2	0	2	150	*	AG	848	2.7	.0	9.9
D. NE	*	2	150	2	450	*	AG	848	1.4	.0	10.5
E. SF	*	-2	450	-2	150	*	AG	179	1.4	.0	10.5
F. SA	*	-2	150	-2	0	*	AG	179	2.6	.0	9.9
G. SD	*	-2	0	-2	-150	*	AG	2	1.9	.0	9.9
H. SE	*	-2	-150	-2	-450	*	AG	2	1.4	.0	10.5
I. WF	*	450	2	150	2	*	AG	0	1.4	.0	10.5
J. WA	*	150	2	0	2	*	AG	0	1.8	.0	9.9
K. WD	*	0	2	-150	2	*	AG	177	1.5	.0	9.9
L. WE	*	-150	2	-450	2	*	AG	177	1.4	.0	10.5
M. EF	*	-450	-2	-150	-2	*	AG	843	1.4	.0	10.5
N. EA	*	-150	-2	0	-2	*	AG	0	1.8	.0	9.9
O. ED	*	0	-2	150	-2	*	AG	0	1.5	.0	9.9
P. EE	*	150	-2	450	-2	*	AG	0	1.4	.0	10.5
Q. NL	*	0	0	2	-150	*	AG	0	2.6	.0	9.9
R. SL	*	0	0	-2	150	*	AG	0	2.6	.0	9.9
S. WL	*	0	0	150	2	*	AG	0	1.8	.0	9.9
T. EL	*	0	0	-150	-2	*	AG	843	2.2	.0	9.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: ALTA RD AND OTAY MESA RD AMWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
	*	X	Y	Z
-----*				
1. NE3	*	8	8	1.8
2. SE3	*	8	-8	1.8
3. SW3	*	-8	-8	1.8
4. NW3	*	-8	8	1.8
5. NE7	*	11	11	1.8
6. SE7	*	11	-11	1.8
7. SW7	*	-11	-11	1.8
8. NW7	*	-11	11	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	*	BRG	* PRED	* CONC	*	CONC/LINK							
	*	(DEG)	* (PPM)	*		A	B	C	D	E	F	G	H
					(PPM)								
					-----*								
1. NE3	*	265.	* .5	*		.0	.0	.2	.0	.0	.0	.0	.0
2. SE3	*	356.	* .6	*		.0	.0	.4	.0	.0	.0	.0	.0
3. SW3	*	5.	* .5	*		.0	.0	.2	.0	.0	.1	.0	.0
4. NW3	*	6.	* .4	*		.0	.0	.2	.0	.0	.1	.0	.0
5. NE7	*	263.	* .4	*		.0	.0	.1	.0	.0	.0	.0	.0
6. SE7	*	354.	* .3	*		.0	.0	.3	.0	.0	.0	.0	.0
7. SW7	*	7.	* .4	*		.0	.0	.2	.0	.0	.0	.0	.0
8. NW7	*	8.	* .3	*		.0	.0	.2	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: ALTA RD AND OTAY MESA RD AMWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

[illegible]

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: ALTA RD AND OTAY MESA RD PMWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	TYPE	VPH	EF (G/MI)	H (M)	W (M)
	*	X1	Y1	X2	Y2	*					
A. NF	*	2	-450	2	-150	*	AG	4	1.4	.0	10.5
B. NA	*	2	-150	2	0	*	AG	2	1.8	.0	9.9
C. ND	*	2	0	2	150	*	AG	145	1.5	.0	9.9
D. NE	*	2	150	2	450	*	AG	145	1.4	.0	10.5
E. SF	*	-2	450	-2	150	*	AG	645	1.4	.0	10.5
F. SA	*	-2	150	-2	0	*	AG	645	2.0	.0	9.9
G. SD	*	-2	0	-2	-150	*	AG	3	1.5	.0	9.9
H. SE	*	-2	-150	-2	-450	*	AG	3	1.4	.0	10.5
I. WF	*	450	2	150	2	*	AG	0	1.4	.0	10.5
J. WA	*	150	2	0	2	*	AG	0	2.6	.0	9.9
K. WD	*	0	2	-150	2	*	AG	644	2.7	.0	9.9
L. WE	*	-150	2	-450	2	*	AG	644	1.4	.0	10.5
M. EF	*	-450	-2	-150	-2	*	AG	143	1.4	.0	10.5
N. EA	*	-150	-2	0	-2	*	AG	0	2.6	.0	9.9
O. ED	*	0	-2	150	-2	*	AG	0	1.9	.0	9.9
P. EE	*	150	-2	450	-2	*	AG	0	1.4	.0	10.5
Q. NL	*	0	0	2	-150	*	AG	2	1.8	.0	9.9
R. SL	*	0	0	-2	150	*	AG	0	1.8	.0	9.9
S. WL	*	0	0	150	2	*	AG	0	2.6	.0	9.9
T. EL	*	0	0	-150	-2	*	AG	143	2.6	.0	9.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: ALTA RD AND OTAY MESA RD PMWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)		
		X	Y	Z
1. NE3	*	8	8	1.8
2. SE3	*	8	-8	1.8
3. SW3	*	-8	-8	1.8
4. NW3	*	-8	8	1.8
5. NE7	*	11	11	1.8
6. SE7	*	11	-11	1.8
7. SW7	*	-11	-11	1.8
8. NW7	*	-11	11	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	*	BRG (DEG)	* PRED * CONC (PPM)	*	CONC/LINK (PPM)							
					A	B	C	D	E	F	G	H
1. NE3	*	266.	* .5	*	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	*	276.	* .3	*	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	*	4.	* .5	*	.0	.0	.0	.0	.0	.3	.0	.0
4. NW3	*	265.	* .5	*	.0	.0	.0	.0	.0	.0	.0	.0
5. NE7	*	264.	* .4	*	.0	.0	.0	.0	.0	.0	.0	.0
6. SE7	*	277.	* .2	*	.0	.0	.0	.0	.0	.0	.0	.0
7. SW7	*	5.	* .3	*	.0	.0	.0	.0	.0	.1	.0	.0
8. NW7	*	263.	* .3	*	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: ALTA RD AND OTAY MESA RD PMWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

[illegible]

APPENDIX G

HARP MODELING ASSESSMENT DATA FILES

HARP Project Summary Report 6/2/2020 2:59:29 PM

PROJECT INFORMATION

HARP Version: 19121

Project Name: SRM 12 - OTAY HILLS

Project Output Directory: F:\Work\SRM 12 - Otay Hills\Analysis\HARP\SRM 12 - OTAY HILLS

HARP Database: NA

FACILITY INFORMATION

Origin

X (m):0

Y (m):0

Zone:1

No. of Sources:0

No. of Buildings:0

EMISSION INVENTORY

No. of Pollutants:675

No. of Background Pollutants:0

Emissions ScrID	StkID	ProID	PolID	PolAbbrev	Multi	Annual Ems (lbs/yr)	MaxHr Ems (lbs/hr)	MWAF
AS1	0	0	1175	Silica, Crystln	1	0.144	1.64E-05	1
AS1	0	0	7440382	Arsenic	1	7.81E-05	8.92E-09	1
AS1	0	0	7440417	Beryllium	1	3.55E-06	4.05E-10	1
AS1	0	0	7440439	Cadmium	1	3.55E-06	4.05E-10	1
AS1	0	0	7440473	Chromium	1	9.95E-05	1.14E-08	1
AS1	0	0	7440508	Copper	1	0.000131	1.5E-08	1
AS1	0	0	7439921	Lead	1	0.000178	2.03E-08	1
AS1	0	0	7439965	Manganese	1	0.00188	2.15E-07	1
AS1	0	0	7440020	Nickel	1	9.95E-05	1.14E-08	1
AS1	0	0	7782492	Selenium	1	3.55E-06	4.05E-10	1
AS2	0	0	1175	Silica, Crystln	1	0.0269	3.07E-06	1
CBP1	0	0	1175	Silica, Crystln	1	0	0	1
CBP1	0	0	9901	DieselExhPM	1	0	0	1
CBP1	0	0	7440382	Arsenic	1	8.23E-05	9.39E-09	1
CBP1	0	0	7440417	Beryllium	1	3.74E-06	4.27E-10	1
CBP1	0	0	7440439	Cadmium	1	3.74E-06	4.27E-10	1
CBP1	0	0	18540299	Cr(VI)	1	1.87E-05	2.13E-09	1
CBP1	0	0	7440473	Chromium	1	0.000217	2.48E-08	1
CBP1	0	0	7440508	Copper	1	0.000112	1.28E-08	1
CBP1	0	0	7439921	Lead	1	4.49E-05	5.12E-09	1
CBP1	0	0	7439965	Manganese	1	0.0015	1.71E-07	1
CBP1	0	0	7440020	Nickel	1	9.35E-05	1.07E-08	1
CBP1	0	0	7782492	Selenium	1	3.74E-06	4.27E-10	1
CBP1	0	0	7440666	Zinc	1	0.000344	3.93E-08	1
CBP2	0	0	1175	Silica, Crystln	1	0	0	1
CBP2	0	0	9901	DieselExhPM	1	0	0	1

CBP2	0	0	7440382	Arsenic	1	0.000147	1.68E-08	1
CBP2	0	0	7440417	Beryllium	1	1.96E-05	2.24E-09	1
CBP2	0	0	7440439	Cadmium	1	9.8E-06	1.12E-09	1
CBP2	0	0	18540299	Cr(VI)	1	2.94E-05	3.36E-09	1
CBP2	0	0	7440473	Chromium	1	0.000255	2.91E-08	1
CBP2	0	0	7440508	Copper	1	0.000225	2.57E-08	1
CBP2	0	0	7439921	Lead	1	0.000147	1.68E-08	1
CBP2	0	0	7439965	Manganese	1	0.000784	8.95E-08	1
CBP2	0	0	7440020	Nickel	1	0.000118	1.34E-08	1
CBP2	0	0	7782492	Selenium	1	9.8E-06	1.12E-09	1
CBP2	0	0	7440666	Zinc	1	0.000294	3.36E-08	1
CBP3	0	0	1175	Silica, Crystln	1	0.192	2.19E-05	1
CBP3	0	0	9901	DieselExhPM	1	0	0	1
CBP3	0	0	7440382	Arsenic	1	2.88E-05	3.29E-09	1
CBP3	0	0	7440417	Beryllium	1	1.92E-06	2.19E-10	1
CBP3	0	0	7440439	Cadmium	1	1.92E-06	2.19E-10	1
CBP3	0	0	18540299	Cr(VI)	1	3.84E-06	4.38E-10	1
CBP3	0	0	7440473	Chromium	1	9.6E-05	1.1E-08	1
CBP3	0	0	7440508	Copper	1	8.83E-05	1.01E-08	1
CBP3	0	0	7439921	Lead	1	6.34E-05	7.23E-09	1
CBP3	0	0	7439965	Manganese	1	0.000806	9.21E-08	1
CBP3	0	0	7440020	Nickel	1	3.46E-05	3.95E-09	1
CBP3	0	0	7782492	Selenium	1	1.92E-06	2.19E-10	1
CBP3	0	0	7440666	Zinc	1	0.000269	3.07E-08	1
CBP4	0	0	1175	Silica, Crystln	1	3.16	0.000361	1
CBP4	0	0	9901	DieselExhPM	1	0	0	1
CBP4	0	0	7440382	Arsenic	1	0.000474	5.41E-08	1
CBP4	0	0	7440417	Beryllium	1	3.16E-05	3.61E-09	1
CBP4	0	0	7440439	Cadmium	1	3.16E-05	3.61E-09	1
CBP4	0	0	18540299	Cr(VI)	1	6.32E-05	7.21E-09	1
CBP4	0	0	7440473	Chromium	1	0.00158	1.8E-07	1
CBP4	0	0	7440508	Copper	1	0.00145	1.66E-07	1
CBP4	0	0	7439921	Lead	1	0.00104	1.19E-07	1
CBP4	0	0	7439965	Manganese	1	0.0133	1.51E-06	1
CBP4	0	0	7439976	Mercury	1	0	0	1
CBP4	0	0	7440020	Nickel	1	0.000569	6.49E-08	1
CBP4	0	0	7782492	Selenium	1	3.16E-05	3.61E-09	1
CBP4	0	0	7440666	Zinc	1	0.00442	5.05E-07	1
CR1	0	0	1175	Silica, Crystln	1	0	0	1
CR1	0	0	9901	DieselExhPM	1	0	0	1
CR1	0	0	7440382	Arsenic	1	0.0154	1.76E-06	1
CR1	0	0	7440417	Beryllium	1	0.0007	7.99E-08	1
CR1	0	0	7440439	Cadmium	1	0.0007	7.99E-08	1
CR1	0	0	18540299	Cr(VI)	1	0	0	1
CR1	0	0	7440473	Chromium	1	0	0	1
CR1	0	0	7440508	Copper	1	0.0259	2.96E-06	1
CR1	0	0	7439921	Lead	1	0.035	4E-06	1
CR1	0	0	7439965	Manganese	1	0.371	2.24E-05	1
CR1	0	0	7439976	Mercury	1	0	0	1
CR1	0	0	7440020	Nickel	1	0.0196	2.24E-06	1

CR1	0	0	7782492	Selenium	1	0.0007	7.99E-08	1
CR1	0	0	7440666	Zinc	1	0.0693	7.91E-06	1
CR2	0	0	1175	Silica, Crystln	1	0	0	1
CR2	0	0	9901	DieselExhPM	1	0	0	1
CR2	0	0	7440382	Arsenic	1	0.00264	3.01E-07	1
CR2	0	0	7440417	Beryllium	1	0.00012	1.37E-08	1
CR2	0	0	7440439	Cadmium	1	0.00012	1.37E-08	1
CR2	0	0	18540299	Cr(VI)	1	0	0	1
CR2	0	0	7440473	Chromium	1	0	0	1
CR2	0	0	7440508	Copper	1	0.00444	5.07E-07	1
CR2	0	0	7439921	Lead	1	0.006	6.85E-07	1
CR2	0	0	7439965	Manganese	1	0.0636	7.26E-06	1
CR2	0	0	7439976	Mercury	1	0	0	1
CR2	0	0	7440020	Nickel	1	0.00336	3.84E-07	1
CR2	0	0	7782492	Selenium	1	0.00012	1.37E-08	1
CR2	0	0	7440666	Zinc	1	0.0119	1.36E-06	1
CR3	0	0	1175	Silica, Crystln	1	0	0	1
CR3	0	0	9901	DieselExhPM	1	0	0	1
CR3	0	0	7440382	Arsenic	1	0.00519	5.93E-07	1
CR3	0	0	7440417	Beryllium	1	0.000236	2.69E-08	1
CR3	0	0	7440439	Cadmium	1	0.000236	2.69E-08	1
CR3	0	0	7440508	Copper	1	0.00873	9.97E-07	1
CR3	0	0	7439921	Lead	1	0.0118	1.35E-06	1
CR3	0	0	7439965	Manganese	1	0.125	1.43E-05	1
CR3	0	0	7440020	Nickel	1	0.00661	7.54E-07	1
CR3	0	0	7782492	Selenium	1	0.000236	2.69E-08	1
CR3	0	0	7440666	Zinc	1	0.0234	2.67E-06	1
CR4	0	0	7440382	Arsenic	1	0.0066	7.53E-07	1
CR4	0	0	7440417	Beryllium	1	0.0003	3.42E-08	1
CR4	0	0	7440439	Cadmium	1	0.0003	3.42E-08	1
CR4	0	0	7440508	Copper	1	0.0111	1.27E-06	1
CR4	0	0	7439921	Lead	1	0.015	1.71E-06	1
CR4	0	0	7439965	Manganese	1	0.159	1.82E-05	1
CR4	0	0	7440020	Nickel	1	0.0084	9.59E-07	1
CR4	0	0	7782492	Selenium	1	0.0003	3.42E-08	1
CR4	0	0	7440666	Zinc	1	0.0297	3.39E-06	1
CR5	0	0	7440382	Arsenic	1	0.0066	7.53E-07	1
CR5	0	0	7440417	Beryllium	1	0.0003	3.42E-08	1
CR5	0	0	7440439	Cadmium	1	0.0003	3.42E-08	1
CR5	0	0	7440508	Copper	1	0.0111	1.27E-06	1
CR5	0	0	7439921	Lead	1	0.015	1.71E-06	1
CR5	0	0	7439965	Manganese	1	0.159	1.82E-05	1
CR5	0	0	7440020	Nickel	1	0.0084	9.59E-07	1
CR5	0	0	7782492	Selenium	1	0.0003	3.42E-08	1
CR5	0	0	7440666	Zinc	1	0.0297	3.39E-06	1
CTB1	0	0	1175	Silica, Crystln	1	9.79	0.00112	1
CTB1	0	0	7440382	Arsenic	1	0.00147	1.68E-07	1
CTB1	0	0	7440417	Beryllium	1	9.79E-05	1.12E-08	1
CTB1	0	0	7440439	Cadmium	1	9.79E-05	1.12E-08	1
CTB1	0	0	18540299	Cr(VI)	1	0.000196	2.24E-08	1

CTB1	0	0	7440473	Chromium	1	0.0049	5.59E-07	1
CTB1	0	0	7440508	Copper	1	0.0045	5.14E-07	1
CTB1	0	0	7439921	Lead	1	0.00323	3.69E-07	1
CTB1	0	0	7439965	Manganese	1	0.0411	4.69E-06	1
CTB1	0	0	7440020	Nickel	1	0.00176	2.01E-07	1
CTB1	0	0	7782492	Selenium	1	9.79E-05	1.12E-08	1
CTB1	0	0	7440666	Zinc	1	0.0137	1.56E-06	1
CTB2	0	0	1175	Silica, Crystln	1	3.14	0.000358	1
CTB2	0	0	7440382	Arsenic	1	0.00047	5.37E-08	1
CTB2	0	0	7440417	Beryllium	1	3.14E-05	3.58E-09	1
CTB2	0	0	7440439	Cadmium	1	3.14E-05	3.58E-09	1
CTB2	0	0	18540299	Cr(VI)	1	6.27E-05	7.16E-09	1
CTB2	0	0	7440473	Chromium	1	0.00157	1.79E-07	1
CTB2	0	0	7440508	Copper	1	0.00144	1.65E-07	1
CTB2	0	0	7439921	Lead	1	0.00103	1.18E-07	1
CTB2	0	0	7439965	Manganese	1	0.0132	1.5E-06	1
CTB2	0	0	7440020	Nickel	1	0.000564	6.44E-08	1
CTB2	0	0	7782492	Selenium	1	3.14E-05	3.58E-09	1
CTB2	0	0	7440666	Zinc	1	0.00439	5.01E-07	1
DST1	0	0	71432	Benzene	1	0.02	2.28E-06	1
DST1	0	0	100414	Ethyl Benzene	1	0.03	3.42E-06	1
DST1	0	0	108883	Toluene	1	0.21	2.4E-05	1
DST1	0	0	108383	m-Xylene	1	0.55	6.28E-05	1
DST1	0	0	95636	1,2,4TriMeBenze	1	0.44	5.02E-05	1
HAUL	0	0	9901	DieselExhPM	1	29.1	0.00332	1
HMA1	0	0	7440382	Arsenic	1	0.336	3.84E-05	1
HMA1	0	0	7440439	Cadmium	1	0.246	2.81E-05	1
HMA1	0	0	18540299	Cr(VI)	1	0.27	3.08E-05	1
HMA1	0	0	7440473	Chromium	1	3.3	0.000377	1
HMA1	0	0	7440508	Copper	1	1.86	0.000212	1
HMA1	0	0	7439921	Lead	1	0.372	4.25E-05	1
HMA1	0	0	7439965	Manganese	1	4.62	0.000527	1
HMA1	0	0	7439976	Mercury	1	0.144	1.64E-05	1
HMA1	0	0	7440020	Nickel	1	37.8	0.00432	1
HMA1	0	0	7782492	Selenium	1	0.21	2.4E-05	1
HMA1	0	0	7440393	Barium	1	3.48	0.000397	1
HMA1	0	0	7440484	Cobalt	1	0.0156	1.78E-06	1
HMA1	0	0	7723140	Phosphorus	1	16.8	0.00192	1
HMA1	0	0	7440224	Silver	1	16.8	0.00192	1
HMA1	0	0	7440280	Thallium	1	0.00246	2.81E-07	1
HMA1	0	0	7440666	Zinc	1	36.6	0.00418	1
HMA1	0	0	83329	Acenaphthene	1	0.84	9.59E-05	1
HMA1	0	0	208968	Acenaphthylene	1	5.16	0.000589	1
HMA1	0	0	120127	Anthracene	1	0.132	1.51E-05	1
HMA1	0	0	56553	B[a]anthracene	1	0.126	1.44E-05	1
HMA1	0	0	205992	B[b]fluoranthen	1	0.06	6.58E-06	1
HMA1	0	0	207089	B[k]fluoranthen	1	0.0246	2.81E-06	1
HMA1	0	0	191242	B[g,h,i]perylene	1	0.024	2.74E-06	1
HMA1	0	0	50328	B[a]P	1	0.00588	6.71E-07	1
HMA1	0	0	192972	B[e]pyrene	1	0.066	7.53E-06	1

HMA1	0	0	218019	Chrysene	1	0.108	1.23E-05	1
HMA1	0	0	206440	Fluoranthene	1	0.366	4.18E-05	1
HMA1	0	0	86737	Fluorene	1	2.28	0.00026	1
HMA1	0	0	193395	In[1,2,3-cd]pyr	1	0.0042	4.79E-07	1
HMA1	0	0	91576	2MeNaphthalene	1	44.4	0.00507	1
HMA1	0	0	91203	Naphthalene	1	54	0.00616	1
HMA1	0	0	198550	Perylene	1	0.00528	6.03E-07	1
HMA1	0	0	85018	Phenanthrene	1	4.56	0.000521	1
HMA1	0	0	129000	Pyrene	1	3.24	3.7E-05	1
HMA1	0	0	71432	Benzene	1	234	0.0267	1
HMA1	0	0	100414	Ethyl Benzene	1	144	0.0164	1
HMA1	0	0	50000	Formaldehyde	1	1860	0.212	1
HMA1	0	0	110543	Hexane	1	552	0.063	1
HMA1	0	0	71556	1,1,1-TCA	1	28.8	0.00329	1
HMA1	0	0	108883	Toluene	1	90	0.0103	1
HMA1	0	0	108383	m-Xylene	1	120	0.0137	1
HMA2	0	0	1175	Silica, Crystln	1	0.0316	3.61E-06	1
HMA2	0	0	11101	PM	1	0.205	2.34E-05	1
HMA2	0	0	83329	Acenaphthene	1	0.000532	6.07E-08	1
HMA2	0	0	208968	Acenaphthylene	1	5.73E-05	6.54E-09	1
HMA2	0	0	120127	Anthracene	1	0.000143	1.64E-08	1
HMA2	0	0	56553	B[a]anthracene	1	3.89E-05	4.44E-09	1
HMA2	0	0	205992	B[b]fluoranthen	1	1.55E-05	1.77E-09	1
HMA2	0	0	207089	B[k]fluoranthen	1	4.5E-06	5.14E-10	1
HMA2	0	0	191242	B[g,h,i]perylene	1	3.89E-06	4.44E-10	1
HMA2	0	0	50328	B[a]P	1	4.7E-06	5.37E-10	1
HMA2	0	0	192972	B[e]pyrene	1	1.6E-05	1.82E-09	1
HMA2	0	0	218019	Chrysene	1	0.000211	2.4E-08	1
HMA2	0	0	53703	D[a,h]anthracen	1	7.56E-07	8.63E-11	1
HMA2	0	0	206440	Fluoranthene	1	0.000102	1.16E-08	1
HMA2	0	0	86737	Fluorene	1	0.00158	1.8E-07	1
HMA2	0	0	193395	In[1,2,3-cd]pyr	1	9.6E-07	1.1E-10	1
HMA2	0	0	91576	2MeNaphthalene	1	0.00487	5.55E-07	1
HMA2	0	0	91203	Naphthalene	1	0.00256	2.92E-07	1
HMA2	0	0	198550	Perylene	1	4.5E-05	5.14E-09	1
HMA2	0	0	85018	Phenanthrene	1	0.00166	1.89E-07	1
HMA2	0	0	129000	Pyrene	1	0.000307	3.5E-08	1
HMA2	0	0	108952	Phenol	1	0.00241	2.75E-07	1
HMA2	0	0	71432	Benzene	1	0.0013	1.48E-07	1
HMA2	0	0	74839	Methyl Bromide	1	0.000239	2.73E-08	1
HMA2	0	0	78933	MEK	1	0.00122	1.4E-07	1
HMA2	0	0	75150	CS2	1	0.000325	3.71E-08	1
HMA2	0	0	75003	Ethyl Chloride	1	5.24E-06	5.98E-10	1
HMA2	0	0	74873	Methyl Chloride	1	0.000374	4.27E-08	1
HMA2	0	0	98828	Cumene	1	0.00247	3.13E-07	1
HMA2	0	0	100414	Ethyl Benzene	1	0.00696	7.95E-07	1
HMA2	0	0	50000	Formaldehyde	1	0.0022	2.51E-07	1
HMA2	0	0	110543	Hexane	1	0.00374	4.27E-07	1
HMA2	0	0	540841	2,2,4TriMePentn	1	4.49E-05	5.13E-09	1
HMA2	0	0	100425	Styrene	1	0.000182	2.08E-08	1

HMA2	0	0	127184	Perc	1	0.000192	2.19E-08	1
HMA2	0	0	108883	Toluene	1	0.00524	5.98E-07	1
HMA2	0	0	75694	TriClFluorMetha	1	3.25E-05	3.71E-09	1
HMA2	0	0	108383	m-Xylene	1	0.0103	1.17E-06	1
HMA2	0	0	95476	o-Xylene	1	0.002	2.28E-07	1
HMA3	0	0	1175	Silica, Crystln	1	0.32	3.65E-05	1
HMA3	0	0	11101	PM	1	1.37	0.000157	1
HMA3	0	0	83329	Acenaphthene	1	0.00643	7.34E-07	1
HMA3	0	0	208968	Acenaphthylene	1	0.000192	2.19E-08	1
HMA3	0	0	120127	Anthracene	1	0.00178	2.03E-07	1
HMA3	0	0	56553	B[a]anthracene	1	0.000767	8.75E-08	1
HMA3	0	0	192972	B[e]pyrene	1	0.00013	1.49E-08	1
HMA3	0	0	218019	Chrysene	1	0.00288	3.29E-07	1
HMA3	0	0	206440	Fluoranthene	1	0.00206	2.35E-07	1
HMA3	0	0	86737	Fluorene	1	0.0138	1.58E-06	1
HMA3	0	0	91576	2MeNaphthalene	1	0.0724	8.26E-06	1
HMA3	0	0	91203	Naphthalene	1	0.0249	2.85E-06	1
HMA3	0	0	198550	Perylene	1	0.000411	4.7E-08	1
HMA3	0	0	85018	Phenanthrene	1	0.0247	2.82E-06	1
HMA3	0	0	129000	Pyrene	1	0.00605	6.9E-07	1
HMA3	0	0	71432	Benzene	1	0.0211	2.4E-06	1
HMA3	0	0	74839	Methyl Bromide	1	0.00322	3.68E-07	1
HMA3	0	0	78933	MEK	1	0.0257	2.93E-06	1
HMA3	0	0	75150	CS2	1	0.0105	1.2E-06	1
HMA3	0	0	75003	Ethyl Chloride	1	0.00263	3E-07	1
HMA3	0	0	74873	Methyl Chloride	1	0.0151	1.73E-06	1
HMA3	0	0	100414	Ethyl Benzene	1	0.25	2.85E-05	1
HMA3	0	0	50000	Formaldehyde	1	0.454	5.18E-05	1
HMA3	0	0	110543	Hexane	1	0.0659	7.52E-06	1
HMA3	0	0	540841	2,2,4TriMePentn	1	0.000204	2.33E-08	1
HMA3	0	0	75092	Methylene Chlor	1	0.0178	2.03E-06	1
HMA3	0	0	100425	Styrene	1	0.00355	4.06E-07	1
HMA3	0	0	108883	Toluene	1	0.0408	4.66E-06	1
HMA3	0	0	108383	m-Xylene	1	0.132	1.5E-05	1
HMA3	0	0	95476	o-Xylene	1	0.0375	4.28E-06	1
HMA4	0	0	50000	Formaldehyde	1	0.159	1.82E-05	1
HSI1	0	0	1175	Silica, Crystln	1	0.0873	9.96E-06	1
HSI1	0	0	7440382	Arsenic	1	9.11E-07	1.04E-10	1
HSI1	0	0	7440417	Beryllium	1	4.14E-08	4.73E-12	1
HSI1	0	0	7440439	Cadmium	1	4.14E-08	4.72E-12	1
HSI1	0	0	7440473	Chromium	1	1.16E-06	1.32E-10	1
HSI1	0	0	7440508	Copper	1	1.53E-06	1.75E-10	1
HSI1	0	0	7439921	Lead	1	2.07E-06	2.36E-10	1
HSI1	0	0	7439965	Manganese	1	2.19E-05	2.5E-09	1
HSI1	0	0	7440020	Nickel	1	1.16E-06	1.32E-10	1
HSI1	0	0	7782492	Selenium	1	4.14E-08	4.73E-12	1
OFFRD	0	0	1175	Silica, Crystln	1	101	0.0115	1
OFFRD	0	0	7440382	Arsenic	1	0.0259	2.95E-06	1
OFFRD	0	0	7440417	Beryllium	1	0.00165	1.89E-07	1
OFFRD	0	0	7440439	Cadmium	1	0.00165	1.89E-07	1

OFFRD	0	0	7440473	Chromium	1	0.0761	8.69E-06	1
OFFRD	0	0	7440508	Copper	1	0.121	1.38E-05	1
OFFRD	0	0	7439921	Lead	1	0.0455	5.2E-06	1
OFFRD	0	0	7439965	Manganese	1	0.863	9.85E-05	1
OFFRD	0	0	7440020	Nickel	1	0.0584	6.67E-06	1
OFFRD	0	0	7782492	Selenium	1	0.00165	1.89E-07	1
OFFRD	0	0	9901	DieselExhPM	1	74.8	0.00854	1
RAP1	0	0	1175	Silica, Crystln	1	0.0509	5.81E-06	1
RAP1	0	0	7440382	Arsenic	1	3.17E-07	3.62E-11	1
RAP1	0	0	7440417	Beryllium	1	1.44E-08	1.64E-12	1
RAP1	0	0	7440439	Cadmium	1	1.44E-08	1.64E-12	1
RAP1	0	0	7440473	Chromium	1	4.03E-07	4.6E-11	1
RAP1	0	0	7440508	Copper	1	5.33E-07	6.08E-11	1
RAP1	0	0	7439921	Lead	1	7.2E-07	8.22E-11	1
RAP1	0	0	7439965	Manganese	1	7.63E-06	8.71E-10	1
RAP1	0	0	7440020	Nickel	1	4.03E-07	4.6E-11	1
RAP1	0	0	7782492	Selenium	1	1.44E-08	1.64E-12	1
RMP	0	0	7440382	Arsenic	1	0.0489	5.58E-06	1
RMP	0	0	7440417	Beryllium	1	0.00222	2.53E-07	1
RMP	0	0	7440439	Cadmium	1	0.00222	2.53E-07	1
RMP	0	0	7440473	Chromium	1	0.0622	7.1E-06	1
RMP	0	0	7440508	Copper	1	0.0822	9.38E-06	1
RMP	0	0	7439921	Lead	1	0.111	1.27E-05	1
RMP	0	0	7439965	Manganese	1	1.18	0.000134	1
RMP	0	0	7440020	Nickel	1	0.0622	7.1E-06	1
RMP	0	0	7782492	Selenium	1	0.00222	2.53E-07	1
ROAD	0	0	1175	Silica, Crystln	1	900	0.103	1
ROAD	0	0	9901	DieselExhPM	1	189	0.0216	1
ROAD	0	0	7440382	Arsenic	1	0.189	2.16E-05	1
ROAD	0	0	7440417	Beryllium	1	0.009	1.03E-06	1
ROAD	0	0	7440439	Cadmium	1	0.009	1.03E-06	1
ROAD	0	0	7440473	Chromium	1	0.225	2.57E-05	1
ROAD	0	0	7440508	Copper	1	0.36	4.11E-05	1
ROAD	0	0	7439921	Lead	1	0.27	3.08E-05	1
ROAD	0	0	7439965	Manganese	1	4.41	0.000504	1
ROAD	0	0	7439976	Mercury	1	0.171	1.95E-05	1
ROAD	0	0	7440020	Nickel	1	0.009	1.03E-06	1
ROAD	0	0	7782492	Selenium	1	0.0897	1.02E-05	1
ROAD	0	0	7440666	Zinc	1	1.01	0.000115	1
SC1	0	0	1175	Silica, Crystln	1	0	0	1
SC1	0	0	7440382	Arsenic	1	0.0296	3.38E-06	1
SC1	0	0	7440417	Beryllium	1	0.00134	1.53E-07	1
SC1	0	0	7440439	Cadmium	1	0.00134	1.53E-07	1
SC1	0	0	7440473	Chromium	1	0	0	1
SC1	0	0	7440508	Copper	1	0.0497	5.68E-06	1
SC1	0	0	7439921	Lead	1	0.0672	7.67E-06	1
SC1	0	0	7439965	Manganese	1	0.712	8.13E-05	1
SC1	0	0	7440020	Nickel	1	0.0376	4.3E-06	1
SC1	0	0	7782492	Selenium	1	0.00134	1.53E-07	1
SC1	0	0	7440666	Zinc	1	0.133	1.52E-05	1

SC4	0	0	1175	Silica, Crystln	1	0	0	1
SC4	0	0	7440382	Arsenic	1	0.0296	3.38E-06	1
SC4	0	0	7440417	Beryllium	1	0.00134	1.53E-07	1
SC4	0	0	7440439	Cadmium	1	0.00134	1.53E-07	1
SC4	0	0	7440473	Chromium	1	0	0	1
SC4	0	0	7440508	Copper	1	0.0497	5.68E-06	1
SC4	0	0	7439921	Lead	1	0.0672	7.67E-06	1
SC4	0	0	7439965	Manganese	1	0.712	8.13E-05	1
SC4	0	0	7440020	Nickel	1	0.0376	4.3E-06	1
SC4	0	0	7782492	Selenium	1	0.00134	1.53E-07	1
SC4	0	0	7440666	Zinc	1	0.133	1.52E-05	1
SC5	0	0	1175	Silica, Crystln	1	0	0	1
SC5	0	0	7440382	Arsenic	1	0.0162	1.85E-06	1
SC5	0	0	7440417	Beryllium	1	0.000735	8.39E-08	1
SC5	0	0	7440439	Cadmium	1	0.000735	8.39E-08	1
SC5	0	0	7440473	Chromium	1	0	0	1
SC5	0	0	7440508	Copper	1	0.0272	3.1E-06	1
SC5	0	0	7439921	Lead	1	0.0368	4.2E-06	1
SC5	0	0	7439965	Manganese	1	0.39	4.45E-05	1
SC5	0	0	7440020	Nickel	1	0.0206	2.35E-06	1
SC5	0	0	7782492	Selenium	1	0.000735	8.31E-06	1
SC5	0	0	7440666	Zinc	1	0.0728	8.31E-06	1
SP1	0	0	1175	Silica, Crystln	1	9.63	0.0011	1
SP1	0	0	7440382	Arsenic	1	0.00193	2.2E-07	1
SP1	0	0	7440417	Beryllium	1	9.63E-05	1.1E-08	1
SP1	0	0	7440439	Cadmium	1	9.63E-05	1.1E-08	1
SP1	0	0	7440473	Chromium	1	0.00482	5.5E-07	1
SP1	0	0	7440508	Copper	1	0.00963	1.1E-06	1
SP1	0	0	7439921	Lead	1	0.00482	5.5E-07	1
SP1	0	0	7439965	Manganese	1	0.0482	5.5E-06	1
SP1	0	0	7440020	Nickel	1	9.63	0.0011	1
SP1	0	0	7782492	Selenium	1	0.0193	2.2E-06	1
SP1	0	0	7440666	Zinc	1	0.0193	2.2E-06	1
SP10	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP10	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP10	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP10	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP10	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP10	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP10	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP10	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP10	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP10	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP10	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP11	0	0	1175	Silica, Crystln	1	1.52	0.000173	1
SP11	0	0	7440382	Arsenic	1	0.000334	3.81E-08	1
SP11	0	0	7440417	Beryllium	1	1.52E-05	1.73E-09	1
SP11	0	0	7440439	Cadmium	1	1.52E-05	1.73E-09	1
SP11	0	0	7440473	Chromium	1	0.000425	4.85E-08	1
SP11	0	0	7440508	Copper	1	0.000562	6.41E-08	1

SP11	0	0	7439921	Lead	1	0.000759	8.67E-08	1
SP11	0	0	7439965	Manganese	1	0.00805	9.19E-07	1
SP11	0	0	7440020	Nickel	1	0.000425	4.85E-08	1
SP11	0	0	7782492	Selenium	1	1.52E-05	1.73E-09	1
SP11	0	0	7440666	Zinc	1	0.00304	3.47E-07	1
SP15	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP15	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP15	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP15	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP15	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP15	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP15	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP15	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP15	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP15	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP15	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP16	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP16	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP16	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP16	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP16	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP16	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP16	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP16	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP16	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP16	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP16	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP17	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP17	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP17	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP17	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP17	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP17	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP17	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP17	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP17	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP17	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP17	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP18	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP18	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP18	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP18	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP18	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP18	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP18	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP18	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP18	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP18	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP18	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP2	0	0	1175	Silica, Crystln	1	6.07	0.000693	1

SP2	0	0	7440382	Arsenic	1	0.00134	1.53E-07	1
SP2	0	0	7440417	Beryllium	1	6.07E-05	6.93E-09	1
SP2	0	0	7440439	Cadmium	1	6.07E-05	6.93E-09	1
SP2	0	0	7440473	Chromium	1	0.0017	1.94E-07	1
SP2	0	0	7440508	Copper	1	0.00225	2.57E-07	1
SP2	0	0	7439921	Lead	1	0.00304	3.47E-07	1
SP2	0	0	7439965	Manganese	1	0.0322	3.67E-06	1
SP2	0	0	7440020	Nickel	1	0.0017	1.94E-07	1
SP2	0	0	7782492	Selenium	1	6.7E-05	6.93E-09	1
SP2	0	0	7440666	Zinc	1	0.0121	1.39E-06	1
SP6	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP6	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP6	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP6	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP6	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP6	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP6	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP6	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP6	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP6	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP6	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP7	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP7	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP7	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP7	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP7	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP7	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP7	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP7	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP7	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP7	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP7	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP8	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP8	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP8	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP8	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP8	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP8	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP8	0	0	7439921	Lead	1	0.00214	2.44E-07	1
SP8	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP8	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP8	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP8	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
SP9	0	0	1175	Silica, Crystln	1	4.27	0.000488	1
SP9	0	0	7440382	Arsenic	1	0.00094	1.07E-07	1
SP9	0	0	7440417	Beryllium	1	4.27E-05	4.88E-09	1
SP9	0	0	7440439	Cadmium	1	4.27E-05	4.88E-09	1
SP9	0	0	7440473	Chromium	1	0.0012	1.37E-07	1
SP9	0	0	7440508	Copper	1	0.00158	1.8E-07	1
SP9	0	0	7439921	Lead	1	0.00214	2.44E-07	1

SP9	0	0	7439965	Manganese	1	0.0226	2.58E-06	1
SP9	0	0	7440020	Nickel	1	0.0012	1.37E-07	1
SP9	0	0	7782492	Selenium	1	4.27E-05	4.88E-09	1
SP9	0	0	7440666	Zinc	1	0.00854	9.75E-07	1
TC5	0	0	1175	Silica, Crystln	1	0.00892	1.02E-06	1
TC5	0	0	7440382	Arsenic	1	4.86E-06	5.55E-10	1
TC5	0	0	7440417	Beryllium	1	2.21E-07	2.52E-11	1
TC5	0	0	7440439	Cadmium	1	2.21E-07	2.52E-11	1
TC5	0	0	7440473	Chromium	1	6.18E-06	7.06E-10	1
TC5	0	0	7440508	Copper	1	8.17E-06	9.33E-10	1
TC5	0	0	7439921	Lead	1	1.1E-05	1.26E-09	1
TC5	0	0	7439965	Manganese	1	0.000117	1.34E-08	1
TC5	0	0	7440020	Nickel	1	6.18E-06	7.06E-10	1
TC5	0	0	7782492	Selenium	1	2.21E-07	2.52E-11	1
TC5	0	0	7440666	Zinc	1	0	0	1
TC6	0	0	1175	Silica, Crystln	1	0.00167	1.91E-07	1
TC6	0	0	7440382	Arsenic	1	9.11E-07	1.04E-10	1
TC6	0	0	7440417	Beryllium	1	4.14E-08	4.73E-12	1
TC6	0	0	7440439	Cadmium	1	4.14E-08	4.73E-12	1
TC6	0	0	7440473	Chromium	1	1.16E-06	1.32E-10	1
TC6	0	0	7440508	Copper	1	1.53E-06	1.75E-10	1
TC6	0	0	7439921	Lead	1	2.07E-06	2.36E-10	1
TC6	0	0	7439965	Manganese	1	2.19E-05	2.5E-09	1
TC6	0	0	7440020	Nickel	1	1.16E-06	1.32E-10	1
TC6	0	0	7782492	Selenium	1	4.14E-08	4.73E-12	1
TC6	0	0	7440666	Zinc	1	0	0	1
TC7	0	0	1175	Silica, Crystln	1	0.00167	1.91E-07	1
TC7	0	0	7440382	Arsenic	1	0	0	1
TC7	0	0	7440417	Beryllium	1	0	0	1
TC7	0	0	7440439	Cadmium	1	0	0	1
TC7	0	0	7440473	Chromium	1	0	0	1
TC7	0	0	7440508	Copper	1	0	0	1
TC7	0	0	7439921	Lead	1	0	0	1
TC7	0	0	7439965	Manganese	1	0	0	1
TC7	0	0	7440020	Nickel	1	0	0	1
TC7	0	0	7782492	Selenium	1	0	0	1
TC7	0	0	7440666	Zinc	1	0	0	1
TP11	0	0	7440382	Arsenic	1	0.000422	4.82E-08	1
TP11	0	0	7440417	Beryllium	1	1.92E-05	2.19E-09	1
TP11	0	0	7440439	Cadmium	1	1.92E-05	2.19E-09	1
TP11	0	0	7440508	Copper	1	0.00071	8.11E-08	1
TP11	0	0	7439921	Lead	1	0.00096	1.1E-07	1
TP11	0	0	7439965	Manganese	1	0.0102	1.16E-06	1
TP11	0	0	7440020	Nickel	1	0.000538	6.14E-08	1
TP11	0	0	7782492	Selenium	1	1.92E-05	2.19E-09	1
TP11	0	0	7440666	Zinc	1	0.0019	2.17E-07	1
TP12	0	0	7440382	Arsenic	1	0.00148	1.69E-07	1
TP12	0	0	7440417	Beryllium	1	6.72E-05	7.67E-09	1
TP12	0	0	7440439	Cadmium	1	6.72E-05	7.67E-09	1
TP12	0	0	7440508	Copper	1	0.00249	2.84E-07	1

TP12	0	0	7439921	Lead	1	0.00336	3.84E-07	1
TP12	0	0	7439965	Manganese	1	0.0356	4.07E-06	1
TP12	0	0	7440020	Nickel	1	0.00188	2.15E-07	1
TP12	0	0	7782492	Selenium	1	6.72E-05	7.67E-09	1
TP12	0	0	7440666	Zinc	1	0.00665	7.59E-07	1
TP13	0	0	7440382	Arsenic	1	0.00148	1.69E-07	1
TP13	0	0	7440417	Beryllium	1	6.72E-05	7.67E-09	1
TP13	0	0	7440439	Cadmium	1	6.72E-05	7.67E-09	1
TP13	0	0	7440508	Copper	1	0.00249	2.84E-07	1
TP13	0	0	7439921	Lead	1	0.00336	3.84E-07	1
TP13	0	0	7439965	Manganese	1	0.0356	4.07E-06	1
TP13	0	0	7440020	Nickel	1	0.00188	2.15E-07	1
TP13	0	0	7782492	Selenium	1	6.72E-05	7.67E-09	1
TP13	0	0	7440666	Zinc	1	0.00665	7.59E-07	1
TP14	0	0	7440382	Arsenic	1	0.000845	9.64E-08	1
TP14	0	0	7440417	Beryllium	1	3.84E-05	4.38E-09	1
TP14	0	0	7440439	Cadmium	1	3.84E-05	4.38E-09	1
TP14	0	0	7440508	Copper	1	0.00142	1.62E-07	1
TP14	0	0	7439921	Lead	1	0.00192	2.19E-07	1
TP14	0	0	7439965	Manganese	1	0.0204	2.32E-06	1
TP14	0	0	7440020	Nickel	1	0.00108	1.23E-07	1
TP14	0	0	7782492	Selenium	1	3.84E-05	4.38E-09	1
TP14	0	0	7440666	Zinc	1	0.0038	4.34E-07	1
TP15	0	0	7440382	Arsenic	1	0.000845	9.64E-08	1
TP15	0	0	7440417	Beryllium	1	3.84E-05	4.38E-09	1
TP15	0	0	7440439	Cadmium	1	3.84E-05	4.38E-09	1
TP15	0	0	7440508	Copper	1	0.00142	1.62E-07	1
TP15	0	0	7439921	Lead	1	0.00192	2.19E-07	1
TP15	0	0	7439965	Manganese	1	0.0204	2.32E-06	1
TP15	0	0	7440020	Nickel	1	0.00108	1.23E-07	1
TP15	0	0	7782492	Selenium	1	3.84E-05	4.38E-09	1
TP15	0	0	7440666	Zinc	1	0.0038	4.34E-07	1
TP16	0	0	7440382	Arsenic	1	0.00169	1.93E-07	1
TP16	0	0	7440417	Beryllium	1	7.68E-05	8.77E-09	1
TP16	0	0	7440439	Cadmium	1	7.68E-05	8.77E-09	1
TP16	0	0	7440508	Copper	1	0.00284	3.24E-07	1
TP16	0	0	7439921	Lead	1	0.00384	4.38E-07	1
TP16	0	0	7439965	Manganese	1	0.0407	4.65E-06	1
TP16	0	0	7440020	Nickel	1	0.00215	2.45E-07	1
TP16	0	0	7782492	Selenium	1	7.68E-05	8.77E-09	1
TP16	0	0	7440666	Zinc	1	0.0076	8.68E-07	1
TP17	0	0	7440382	Arsenic	1	0.00106	1.21E-07	1
TP17	0	0	7440417	Beryllium	1	4.8E-05	5.48E-09	1
TP17	0	0	7440439	Cadmium	1	4.8E-05	5.48E-09	1
TP17	0	0	7440508	Copper	1	0.00178	2.03E-07	1
TP17	0	0	7439921	Lead	1	0.0024	2.74E-07	1
TP17	0	0	7439965	Manganese	1	0.0254	2.9E-06	1
TP17	0	0	7440020	Nickel	1	0.00134	1.53E-07	1
TP17	0	0	7782492	Selenium	1	4.8E-05	5.48E-09	1
TP17	0	0	7440666	Zinc	1	0.00475	5.42E-07	1

TP18	0	0	7440382	Arsenic	1	0.0027	3.08E-07	1
TP18	0	0	7440417	Beryllium	1	0.000123	1.4E-08	1
TP18	0	0	7440439	Cadmium	1	0.000123	1.4E-08	1
TP18	0	0	7440508	Copper	1	0.00453	5.17E-07	1
TP18	0	0	7439921	Lead	1	0.00613	6.99E-07	1
TP18	0	0	7439965	Manganese	1	0.0649	7.41E-06	1
TP18	0	0	7440020	Nickel	1	0.00343	3.92E-07	1
TP18	0	0	7782492	Selenium	1	0.000123	1.4E-08	1
TP18	0	0	7440666	Zinc	1	0.0121	1.38E-06	1
TP19	0	0	7440382	Arsenic	1	0.0027	3.08E-07	1
TP19	0	0	7440417	Beryllium	1	0.000123	1.4E-08	1
TP19	0	0	7440439	Cadmium	1	0.000123	1.4E-08	1
TP19	0	0	7440508	Copper	1	0.00453	5.17E-07	1
TP19	0	0	7439921	Lead	1	0.00613	6.99E-07	1
TP19	0	0	7439965	Manganese	1	0.0649	7.41E-06	1
TP19	0	0	7440020	Nickel	1	0.00343	3.92E-07	1
TP19	0	0	7782492	Selenium	1	0.000123	1.4E-08	1
TP19	0	0	7440666	Zinc	1	0.0121	1.38E-06	1
TP2	0	0	7440382	Arsenic	1	0.00462	5.27E-07	1
TP2	0	0	7440417	Beryllium	1	0.00021	2.4E-08	1
TP2	0	0	7440439	Cadmium	1	0.00021	2.4E-08	1
TP2	0	0	7440508	Copper	1	0.00777	8.87E-07	1
TP2	0	0	7439921	Lead	1	0.0105	1.2E-06	1
TP2	0	0	7439965	Manganese	1	0.111	1.27E-05	1
TP2	0	0	7440020	Nickel	1	0.00588	6.71E-07	1
TP2	0	0	7782492	Selenium	1	0.00021	2.4E-08	1
TP2	0	0	7440666	Zinc	1	0.0208	2.37E-06	1
TP21	0	0	7440382	Arsenic	1	0.000211	2.41E-08	1
TP21	0	0	7440417	Beryllium	1	9.6E-06	1.1E-09	1
TP21	0	0	7440439	Cadmium	1	9.6E-06	1.1E-09	1
TP21	0	0	7440508	Copper	1	0.000355	4.05E-08	1
TP21	0	0	7439921	Lead	1	0.00048	5.48E-08	1
TP21	0	0	7439965	Manganese	1	0.00509	5.81E-07	1
TP21	0	0	7440020	Nickel	1	0.000269	3.07E-08	1
TP21	0	0	7782492	Selenium	1	9.6E-06	1.1E-09	1
TP21	0	0	7440666	Zinc	1	0.00095	1.08E-07	1
TP3	0	0	7440382	Arsenic	1	0.0123	1.41E-06	1
TP3	0	0	7440417	Beryllium	1	0.00056	6.39E-08	1
TP3	0	0	7440439	Cadmium	1	0.00056	6.39E-08	1
TP3	0	0	7440508	Copper	1	0.0207	2.37E-06	1
TP3	0	0	7439921	Lead	1	0.028	3.2E-06	1
TP3	0	0	7439965	Manganese	1	0.297	3.39E-05	1
TP3	0	0	7440020	Nickel	1	0.0157	1.79E-06	1
TP3	0	0	7782492	Selenium	1	0.000569	6.39E-08	1
TP3	0	0	7440666	Zinc	1	0.0554	6.33E-06	1
TP4	0	0	7440382	Arsenic	1	0.0108	1.23E-06	1
TP4	0	0	7440417	Beryllium	1	0.00049	5.59E-08	1
TP4	0	0	7440439	Cadmium	1	0.00049	5.59E-08	1
TP4	0	0	7440508	Copper	1	0.0181	2.07E-06	1
TP4	0	0	7439921	Lead	1	0.0245	2.8E-06	1

TP4	0	0	7439965	Manganese	1	0.26	2.96E-05	1
TP4	0	0	7440020	Nickel	1	0.0137	1.57E-06	1
TP4	0	0	7782492	Selenium	1	0.00049	5.59E-08	1
TP4	0	0	7440666	Zinc	1	0.0485	5.54E-06	1
TP5	0	0	7440382	Arsenic	1	0.0108	1.23E-06	1
TP5	0	0	7440417	Beryllium	1	0.00049	5.59E-08	1
TP5	0	0	7440439	Cadmium	1	0.00049	5.59E-08	1
TP5	0	0	7440508	Copper	1	0.0181	2.07E-06	1
TP5	0	0	7439921	Lead	1	0.0245	2.8E-06	1
TP5	0	0	7439965	Manganese	1	0.26	2.96E-05	1
TP5	0	0	7440020	Nickel	1	0.0137	1.57E-06	1
TP5	0	0	7782492	Selenium	1	0.00049	5.59E-08	1
TP5	0	0	7440666	Zinc	1	0.0485	5.54E-06	1
TP6	0	0	7440382	Arsenic	1	0.000211	2.41E-08	1
TP6	0	0	7440417	Beryllium	1	9.6E-06	1.1E-09	1
TP6	0	0	7440439	Cadmium	1	9.6E-06	1.1E-09	1
TP6	0	0	7440508	Copper	1	0.000355	4.05E-08	1
TP6	0	0	7439921	Lead	1	0.00048	5.48E-08	1
TP6	0	0	7439965	Manganese	1	0.00509	5.81E-07	1
TP6	0	0	7440020	Nickel	1	0.000269	3.07E-08	1
TP6	0	0	7782492	Selenium	1	9.6E-06	1.1E-09	1
TP6	0	0	7440666	Zinc	1	0.00095	1.08E-07	1
TP7	0	0	7440382	Arsenic	1	0.000211	2.41E-08	1
TP7	0	0	7440417	Beryllium	1	9.6E-06	1.1E-09	1
TP7	0	0	7440439	Cadmium	1	9.6E-06	1.1E-09	1
TP7	0	0	7440508	Copper	1	0.000355	4.05E-08	1
TP7	0	0	7439921	Lead	1	0.00048	5.48E-08	1
TP7	0	0	7439965	Manganese	1	0.00509	5.81E-07	1
TP7	0	0	7440020	Nickel	1	0.000269	3.07E-08	1
TP7	0	0	7782492	Selenium	1	9.6E-06	1.1E-09	1
TP7	0	0	7440666	Zinc	1	0.00095	1.08E-07	1
TP8	0	0	7440382	Arsenic	1	0.0108	1.23E-06	1
TP8	0	0	7440417	Beryllium	1	0.00049	5.59E-08	1
TP8	0	0	7440439	Cadmium	1	0.00049	5.59E-08	1
TP8	0	0	7440508	Copper	1	0.0181	2.07E-06	1
TP8	0	0	7439921	Lead	1	0.0245	2.8E-06	1
TP8	0	0	7439965	Manganese	1	0.26	2.96E-05	1
TP8	0	0	7440020	Nickel	1	0.0137	1.57E-06	1
TP8	0	0	7782492	Selenium	1	0.00049	5.59E-08	1
TP8	0	0	7440666	Zinc	1	0.0485	5.54E-06	1
TP9	0	0	7440382	Arsenic	1	0.0108	1.23E-06	1
TP9	0	0	7440417	Beryllium	1	0.00049	5.59E-08	1
TP9	0	0	7440439	Cadmium	1	0.00049	5.59E-08	1
TP9	0	0	7440508	Copper	1	0.0181	2.07E-06	1
TP9	0	0	7439921	Lead	1	0.0245	2.8E-06	1
TP9	0	0	7439965	Manganese	1	0.26	2.96E-05	1
TP9	0	0	7440020	Nickel	1	0.0137	1.57E-06	1
TP9	0	0	7782492	Selenium	1	0.00049	5.59E-08	1
TP9	0	0	7440666	Zinc	1	0.0485	5.54E-06	1

Background PolID	PolAbbrev	Conc (ug/m^3)	MWAF
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Ground level concentration files (\glc\)

100414MAXHR.txt
 100414PER.txt
 100425MAXHR.txt
 100425PER.txt
 108383MAXHR.txt
 108383PER.txt
 108883MAXHR.txt
 108883PER.txt
 108952MAXHR.txt
 108952PER.txt
 110543MAXHR.txt
 110543PER.txt
 11101MAXHR.txt
 11101PER.txt
 1175MAXHR.txt
 1175PER.txt
 120127MAXHR.txt
 120127PER.txt
 127184MAXHR.txt
 127184PER.txt
 129000MAXHR.txt
 129000PER.txt
 18540299MAXHR.txt
 18540299PER.txt
 191242MAXHR.txt
 191242PER.txt
 192972MAXHR.txt
 192972PER.txt
 193395MAXHR.txt
 193395PER.txt
 198550MAXHR.txt
 198550PER.txt
 205992MAXHR.txt
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 206440MAXHR.txt
 206440PER.txt
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 207089PER.txt
 208968MAXHR.txt
 208968PER.txt
 218019MAXHR.txt
 218019PER.txt
 50000MAXHR.txt
 50000PER.txt

50328MAXHR.txt
50328PER.txt
53703MAXHR.txt
53703PER.txt
540841MAXHR.txt
540841PER.txt
56553MAXHR.txt
56553PER.txt
71432MAXHR.txt
71432PER.txt
71556MAXHR.txt
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7439921MAXHR.txt
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7440393MAXHR.txt
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7440417MAXHR.txt
7440417PER.txt
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75150MAXHR.txt
75150PER.txt

75694MAXHR.txt
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 91576MAXHR.txt
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 95476MAXHR.txt
 95476PER.txt
 95636MAXHR.txt
 95636PER.txt
 98828MAXHR.txt
 98828PER.txt
 9901MAXHR.txt
 9901PER.txt

POLLUTANT HEALTH INFORMATION
 Health Database: C:\HARP2\Tables\HEALTH17320.mdb
 Health Table Version: HEALTH18232
 Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
1175	Silica, Crystln				3		
7440382	Arsenic	12	1.5	0.2	0.015	3.5E-06	0.015
7440417	Beryllium	8.4			0.007	0.002	
7440439	Cadmium	15			0.02	0.0005	
7440473	Chromium						
7440508	Copper			100			
7439921	Lead	0.042	0.0085				
7439965	Manganese				0.09		0.17
7440020	Nickel	0.91		0.2	0.014	0.011	0.06
7782492	Selenium				20	0.005	
9901	DieselExhPM	1.1			5		
18540299	Cr(VI)	510	0.5		0.2	0.02	
7440666	Zinc						
7439976	Mercury			0.6	0.03	0.00016	0.06
71432	Benzene	0.1		27	3		3
100414	Ethyl Benzene	0.0087			2000		

108883	Toluene		37000	300
108383	m-Xylene		22000	700
95636	1,2,4TriMeBenze			
7440393	Barium			
7440484	Cobalt			
7723140	Phosphorus			
7440224	Silver			
7440280	Thallium			
83329	Acenaphthene			
208968	Acenaphthylene			
120127	Anthracene			
56553	B[a]anthracene	0.39	1.2	
205992	B[b]fluoranthene	0.39	1.2	
207089	B[k]fluoranthene	0.39	1.2	
191242	B[g,h,i]perylene			
50328	B[a]P	3.9	12	
192972	B[e]pyrene			
218019	Chrysene	0.039	0.12	
206440	Fluoranthene			
86737	Fluorene			
193395	In[1,2,3-cd]pyr	0.39	1.2	
91576	2MeNaphthalene			
91203	Naphthalene	0.12		9
198550	Perylene			
85018	Phenanthrene			
129000	Pyrene			
50000	Formaldehyde	0.021	55	9
110543	Hexane			7000
71556	1,1,1-TCA		68000	1000
11101	PM			
53703	D[a,h]anthracene	4.1	4.1	
108952	Phenol		5800	200
74839	Methyl Bromide		3900	5
78933	MEK		13000	
75150	CS2		6200	800
75003	Ethyl Chloride			30000
74873	Methyl Chloride			
98828	Cumene			
540841	2,2,4TriMePentn			
100425	Styrene		21000	900
127184	Perc	0.021	20000	35
75694	TriClFluorMetha			
95476	o-Xylene		22000	700
75092	Methylene Chlor	0.0035	14000	400

AIR DISPERSION MODELING INFORMATION

Versions used in HARP. All executables were obtained from USEPA's Support Center for Regulatory Atmospheric Modeling website (<http://www.epa.gov/scram001/>)

AERMOD: 18081

AERMAP: 18081

BPIPPRM: 04274
AERPLOT: 13329

METEOROLOGICAL INFORMATION

Version:
Surface File:
Profile File:
Surface Station:
Upper Station:
On-Site Station:

LIST OF AIR DISPERSION FILES

AERMOD Input File:
AERMOD Output File:
AERMOD Error File:
Plotfile list

LIST OF RISK ASSESSMENT FILES

Health risk analysis files (\hra\)

0620Res_CancerRisk.csv
0620Res_CancerRiskSumByRec.csv
0620Res_GLCList.csv
0620Res_HRAInput.hra
0620Res_NCAcuteRisk.csv
0620Res_NCAcuteRiskSumByRec.csv
0620Res_NCChronicRisk.csv
0620Res_NCChronicRiskSumByRec.csv
0620Res_Output.txt
0620Res_PathwayRec.csv
0620Res_PolDB.csv
0620Wrk_CancerRisk.csv
0620Wrk_CancerRiskSumByRec.csv
0620Wrk_GLCList.csv
0620Wrk_HRAInput.hra
0620Wrk_NCAcuteRisk.csv
0620Wrk_NCAcuteRiskSumByRec.csv
0620Wrk_NCChronicRisk.csv
0620Wrk_NCChronicRiskSumByRec.csv
0620Wrk_Output.txt
0620Wrk_PathwayRec.csv
0620Wrk_PolDB.csv

Spatial averaging files (\sa\)

APPENDIX H

SAN DIEGO COUNTY CONSTRUCTION AGGREGATE MARKET STUDY

May 2020

San Diego County Construction Aggregate Market Study



Prepared for the proposed Otay Hills Quarry



Prepared By:



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Appendix: Maps

1 Introduction

This report illustrates the market environment for the construction aggregates industry in San Diego County as of 2018 and identifies projected demand for aggregate through 2050. This information has been developed from published reports and from personal communication with various sources operating in the construction aggregates industry. Using this information within a geographic context helps to identify the Vehicle Miles Traveled (VMT) for delivery of construction aggregates from the point of production to the point of use.

It is useful to understand construction aggregate terms to avoid confusion throughout the report. Construction aggregate is a term used for raw materials used in construction, i.e., crushed rock, sand and gravel. The raw material is used as the primary constituent of products like concrete, stucco, and asphalt, and it is also used as base material beneath rail and transit lines, roads, pipelines, building foundations etc. Construction aggregate is an essential constituent for community infrastructure (e.g. roads, bridges, and utilities) and for buildings (e.g. residences, hospitals, schools, and commercial, industrial and retail centers).

Construction aggregate products are divided into two primary categories: fine and coarse. Fine aggregates have a size of less than 3/8", and coarse aggregates are 3/8" and larger. Fine aggregates are typically sand sized particles that normally originate from alluvial deposits, although sand can be manufactured by crushing coarse aggregate to a smaller size. This manufactured sand must be blended with natural sand to meet specifications for concrete. Coarse aggregates typically refer to crushed rock produced from hard rock or cobble deposits. Fine aggregates from alluvial sources are used in concrete manufacturing and make up about 35% of the total volume of the concrete. The method of extraction of alluvial sand and processing does not require crushing. Coarse aggregates generally require crushing and screening to process the material into different sizes and make up about 45% of the total volume of concrete. In this report, aggregate is used as a general term and includes both fine and coarse aggregates. When the discussion is narrowed to fine aggregate (sand) or coarse aggregate (crushed rock) it will be indicated.

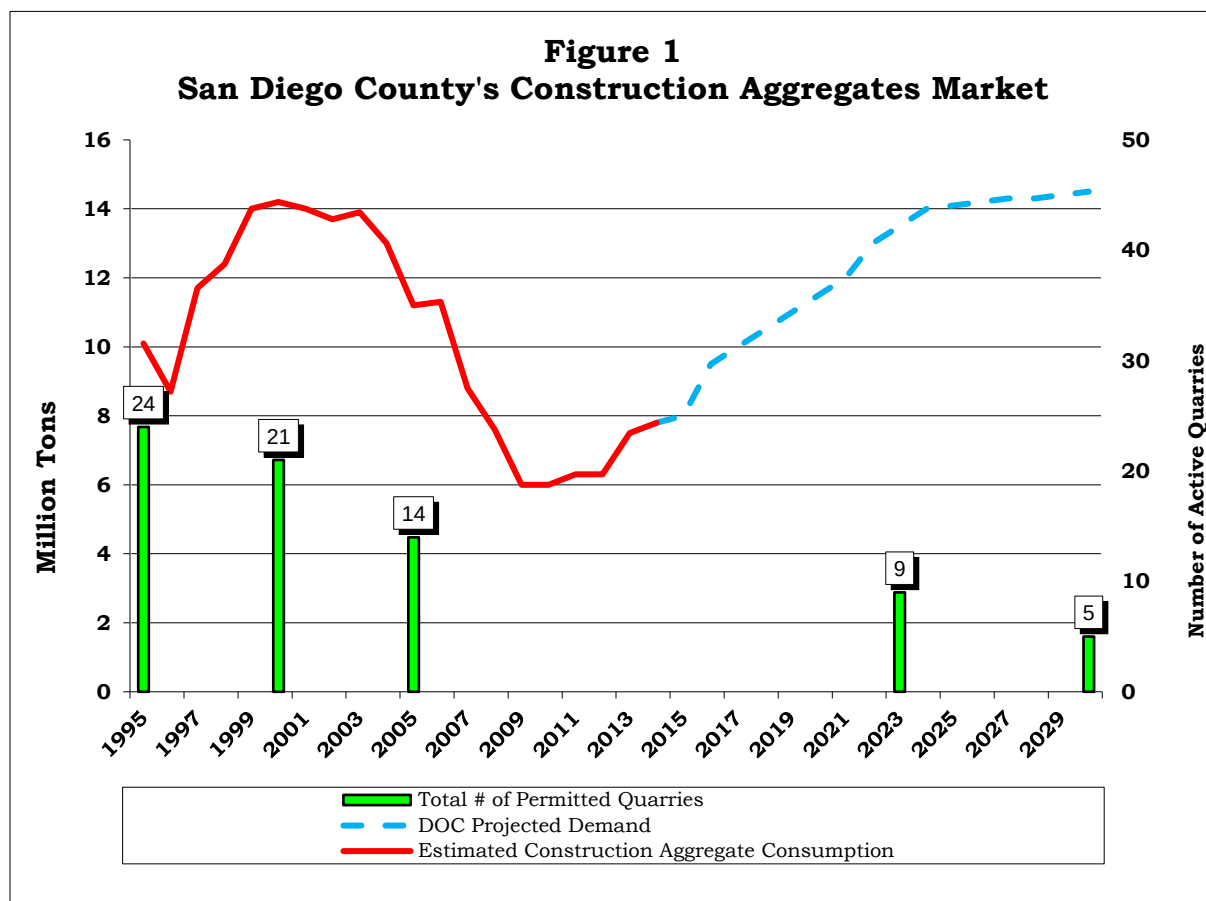
2 Background - San Diego County Aggregate Consumption

Similar to statewide trends, San Diego County experienced peak production in 2006 and saw a reduction in construction aggregate demand during the recession, with a 57 percent drop from 2006 to 2011. Aggregate production fluctuated between 2009 and 2012 but did not consistently increase until 2013 (Figure 1).

Aggregate consumption in the County (column 3 of Table 1) is the sum of all aggregates produced within the County plus imports. San Diego County aggregate production predominantly consists of coarse aggregates. A number of rock quarries dispersed around the County produce coarse aggregates. Only one source of fine aggregates is permitted to operate within the County. This has resulted in the need to import substantial quantities of fine aggregates from production sources located outside of the County. The absence of local San Diego sand mines is well documented. Starting in approximately 1990, San Diego County Quarries were unable to meet local demand for fine aggregates and imports were relied upon to satisfy production

shortfalls, although some facilities crush coarse aggregate to make manufactured sand. While some coarse aggregate imports are known to occur, local sources are generally available to satisfy demand. The information discussed in this section is supported by the California Department of Conservation (DOC) which reported that between 1980 and 1995, the number of sand mines was reduced from 25 to 8 and permitted reserves fell from 121-million tons to 55-million tons¹. The DOC updated the Mineral Land Classification report for Western San Diego County in 2017 and assessed industry activity through 2014.

In total, the 2017 DOC report indicates that there were 18 active crushed rock and sand operations in 2014. However, since the publication of that report, four sand sources have ceased operation, and 1 hard rock facility has closed in San Diego County. Only one new sand operation has been permitted²; however, the sand production from this site is small in scale and imports are necessary to satisfy the demand for sand in San Diego County.



¹ Miller, Davis, James F. "Update of Mineral Land Classification: Aggregate Materials in the Western San Diego County Production-Consumption Region." California Department of Conservation, DMG Open-File Report 96-04, 1996.

² Gius, F.W., L.L. Busch & R.V. Miller. "Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA." California Geological Survey. Special Report 240. 2017.

3 Future San Diego Aggregate Supply

San Diego County is facing a severe shortage of permitted construction aggregate reserves. Permitted reserves are 35% of the estimated 50-year demand³. If no new reserves are permitted and the remaining quarries produced enough to satisfy demand (no imports), the existing permitted reserves would be exhausted within 11-20 years. It is important to note that this shortage covers both coarse and fine aggregate products over the long term. As shown in Figure 1, the red line represents the estimated construction aggregate consumption within San Diego County and is followed by the dashed blue line that represents the projected demand for aggregate as estimated by the Department of Conservation (DOC).^{4, 5} Figure 1 also illustrates that the number of permitted quarries within San Diego County is expected to decline (green bars), while demand is projected to increase. As a result, imports and or additional permitted sources within the County will be needed to satisfy demand.

3.1 Existing and Proposed Mines Supplying Construction Aggregate to San Diego

3.1.1 Existing Mines in San Diego County

San Diego County currently has 13 active production sites and 2 idle operations and one newly permitted, sand mining site – the East County Sand Mine. There has only been one new quarry of significant size permitted in the last 30 years -- Rosemary's Mountain. This site was in the permitting process for 18 years before finally gaining approval in 2003.

Table 2 lists the status of each production site in the County, including the permit expiration date and whether the site is a crushed rock or sand source. Map 1 illustrates the location of each quarry. The number next to each symbol on the map correlates with the number in the first column in Table 1.

Currently, with an estimated 260 to 308 million tons of reserves, crushed rock is adequately supplied by existing operations located within the County. However, there are specific market areas within the county that may not be well served by existing sources, resulting in material being transported long distances. Although San Diego County is host to significant fine aggregate resources, only 1 million tons are approved for production. The “East County Sand Mine” was approved in 2018 with an estimated reserve of 1 million tons.

³ Clinkenbeard, J.P. & F.W. Gius, "Aggregate Sustainability in California." California Geological Survey, Map Sheet 52. 2018.

⁴ Miller, Russ. “Update of Mineral Land Classification: Aggregate Material in the Western San Diego County Production-Consumption Region.” California Department of Conservation, Division of Mines and Geology. Open File Report 96-04. 1996.

⁵ Gius, F.W., L.L. Busch & R.V. Miller. “Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA.” California Geological Survey. Special Report 240. 2017.

Table 1: Existing San Diego County Permitted Aggregate Mines

Map #	Quarry Name	Commodity	Permit Exp Date	Status
Crushed Rock Quarries in San Diego				
1	Rosemary's Mountain	Crushed Rock	2040	Active
2	Twin Oaks Quarry	Crushed Rock	Vested	Active
3	JEB	Crushed Rock	Vested	Active
4	Inland Valley	Crushed Rock	Vested	Active
5	Carroll Canyon	Crushed Rock	Expired - application to extend	Active
6	Poway	Crushed Rock	2031	Idle
7	Sycamore Landfill	Crushed Rock	2025	Active
8	Mission Gorge Pit	Crushed Rock	2033	Active
9	TTT Quarry	Crushed Rock	Vested	Active
10	Vigilante Quarry	Crushed Rock	2030	Active
11	Slaughterhouse Canyon	Crushed Rock	2020	Idle
12	Jamacha	Crushed Rock	Vested	Active
13	Hester's Granite Quarry	Crushed Rock	Vested	Active
14	Turvey DG Pit	Decomposed Granite	2020	Active
15	Chula Vista Quarry	Crushed Rock	Vested	Active
2019 Estimated Crushed Rock Permitted Reserves in San Diego County 265-308 million tons				
Map #	Quarry Name	Commodity	Permit Exp Date	Status
Sand Sources in San Diego County				
16	East County Sand Mine	Sand	2023	Newly Permitted
2019 Estimated Permitted Sand Reserves in San Diego County Approximately 1 million tons				

3.1.2 Proposed Mines in San Diego County

As listed in Table 2, there are three proposed aggregate projects in the permitting process -- Otay Hills in South County, El Monte Sand Mine, and the Cottonwood Sand Mine. Map 1 also illustrates the locations of these proposed projects. Otay Hills is proposed as a coarse aggregate quarry and the remaining two are proposed as fine aggregate operations.

Table 2: Proposed San Diego County Aggregate Mines

Map #	Quarry Name	Operator	Commodity	Proposed Annual Production (mil tons)	Proposed Permitted Reserves (mil tons)
17	Otay Hills Quarry	Superior	Crushed Rock	1	75
18	El Monte Sand Mine	TBD	Sand	1	12.5
19	Cottonwood Sand Mine	TBD	Sand	0.5	5

3.1.3 Mines Importing Sand to San Diego County

Table 3 lists each of the sites that are known to import sand into San Diego County and their locations are also indicated on Map 2. From the south, sand is imported from Mexico by Associated Ready Mix from the Las Palmas Valley site located approximately 30 miles southeast of Tijuana. Personal interviews with employees from Associated indicated that the Las Palmas Valley site is consistently the largest exporter of sand to San Diego County.⁶

From the north, sand imports generally originate from Pacific Aggregates and Werner Corporation located in Lake Elsinore/Temescal Valley/Corona. Limited and inconsistent amounts are also imported from sites located in Riverside and San Bernardino Counties operated by Robertson's and Cemex (Table 3), the Ocotillo area of Imperial County, and Irwindale in Los Angeles County.

Table 3: San Diego Sand Imports

Operator	Site	Location
Associated Ready Mix	Otay Mesa Yard	Otay Mesa: Las Palmas Valley Mexico
Pacific Aggregates	Pacific Aggregates	Lake Elsinore, Riverside County
Chandler/Werner Aggregates	Temescal Valley Operations/Corona	Riverside County
FST	Corona	Riverside County
Robertson's	Banning or Cabazon	Riverside County
Cemex	Lytle Creek	Redlands, Santa Ana Wash
Various	Ocotillo Operations	Imperial County
Various	Irwindale Operations	Los Angeles County

⁶ Personal interview with confidential employee, October 2018.

4 Future San Diego Aggregate Demand

Forecasters use population growth to project demand for construction aggregate resources.^{7, 8, 9} Map 3 illustrates the expected percentage growth in population within the various regions of San Diego County from 2020-2050. In addition, the total projected population for 2050 is shown. The southern part of the County is expected to grow by the greatest percentage, followed by central or downtown area of the City of San Diego.

The projected total construction aggregate demand for San Diego County was estimated by the DOC and is summarized in Table 4.¹⁰ Table 4 also includes the estimated projections for fine aggregate or sand. The demand for sand is estimated at about 27% of the total construction aggregate demand.¹¹ The demand for sand is highlighted because it accounts for a significant amount of truck traffic from outside the County. Permitting of new sources of aggregate is necessary to reduce the County's dependence on imports and, as a consequence, reducing vehicle miles traveled.

Although the Otay Hills Quarry will primarily produce coarse aggregate, the site plans to produce some amount of manufactured sand (made by crushing rock down to sand sized particles). This manufactured sand will be used in the production of ready-mix concrete and asphalt. Manufactured sand can substitute up to 50% of the fine aggregate in ready mix concrete, and approximately 25% of the fine aggregate in asphalt. The manufactured sand will reduce the need for fine aggregate imports.

⁷ Robinson, Gilpin R. & William M. Brown. "Sociocultural Dimensions of Supply and Demand for Natural Aggregate – Examples from the Mid-Atlantic Region, United States." U.S. Geological Survey Open-File Report 02-350. 2002.

⁸ Davis, James F. "Update of Mineral Land Classification: Aggregate Materials in the Western San Diego County Production-Consumption Region." California Department of Conservation, DMG Open-File Report 96-04, 1996.

⁹ Gius, F.W., L.L. Busch & R.V. Miller. "Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA." California Geological Survey. Special Report 240. 2017.

¹⁰ Davis, James F. "Update of Mineral Land Classification: Aggregate Materials in the Western San Diego County Production-Consumption Region." California Department of Conservation, DMG Open-File Report 96-04, 1996.

¹¹ Gius, F.W., L.L. Busch & R.V. Miller. "Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA." California Geological Survey. Special Report 240. 2017.

Table 4: San Diego County Projected Construction Aggregate Demand¹²

Year	Total Aggregate/Sand Demand (million tons)	Year	Total Aggregate /Sand Demand (million tons)	Year	Total Aggregate/Sand Demand (million tons)
2022	13.8/3.5	2032	14.7/4.0	2042	15.4/4.2
2023	13.9/3.8	2033	14.8/4.0	2043	15.5/4.2
2024	14.0/3.8	2034	14.8/4.0	2044	15.6/4.2
2025	14.1/3.8	2035	14.9/4.0	2045	15.6/4.2
2026	14.2/3.8	2036	15.0/4.1	2046	15.7/4.2
2027	14.3/3.9	2037	15.1/4.1	2047	15.8/4.3
2028	14.3/3.9	2038	15.1/4.1	2048	15.8/4.3
2029	14.4/3.9	2039	15.2/4.1	2049	15.9/4.3
2030	14.5/3.9	2040	15.3/4.1	2050	16.0/4.3
2031	14.6/3.9	2041	15.4/4.2		

5 Estimating VMT for Roundtrip Deliveries of Crushed Rock to the Otay Hills Quarry Market

This section of the construction aggregate market report illustrates the change in Vehicle Miles Traveled that can be expected from transporting crushed rock to satisfy demand within the Otay Hills Quarry Market Area.

The proposed Otay Hills Quarry is located in southern San Diego County within an unincorporated area of East Otay Mesa. The proposed project is located 8.5 miles east of Interstate 805 (I-805)/State Route 905 (SR 905) interchange and 0.5 mile east of the intersection of Otay Mesa Road and Alta Road. The average annual production of crushed rock from the quarry is anticipated to be 1 million tons per year. The project also proposes to locate a ready-mix concrete and asphalt plant at the quarry. The VMT analysis highlights crushed rock as the primary material extracted from the quarry. The focus of VMT is on the supply of crushed rock because it represents the largest volume of materials used in the production of concrete and asphalt. Therefore, distance between the proposed Otay Hills Quarry and the locations that would consume its crushed rock are used to calculate the true impact of VMT.

The concrete plant and asphalt plant to be located at Otay Hills will supply concrete and asphalt to the Otay Hills market. These plants will require the import of cement, asphalt oil and sand to make the concrete and asphalt. The addition of these plants will not change the demand for concrete or asphalt within the market. Thus, the quantity of cement and asphalt oil to be imported or delivered to the market is not

¹² Gius, F.W., L.L. Busch & R.V. Miller. "Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA." California Geological Survey. Special Report 240. 2017.

expected to change, and the quantity of cement and asphalt oil in concrete and asphalt is relatively small (approximately 10-15% for concrete and approximately 5% for asphalt). Therefore, this study does not quantify a change in VMT for deliveries of asphalt oil or cement. Additionally, this study does not quantify a change in VMT for sand imported to the concrete and asphalt plants to be located at Otay Hills for the following reasons. First, the Otay Hills concrete plant will source approximately 50% of its fine aggregate from aggregate produced on-site (manufactured sand), and the asphalt plant will source approximately 25% of its fine aggregate from manufacture sand produced on-site. Thus, the VMT for that portion of those materials are reduced. Second, the sand imported for use in the southern portion of San Diego County is imported from Mexico at the Otay Mesa and Tecate border crossings. The concrete plant and asphalt plant at Otay Hills will be closer to the import sites than other concrete or asphalt plants further north, and the VMT for those imports would be reduced. Thus, this study assumes, conservatively, that the change in VMT for the import of sand, cement or asphalt oil to the concrete and asphalt plants to be located at Otay Hills is immaterial or will not change.

Map 4 illustrates the area included in the Otay Hills Quarry Market area. The map shows the location of existing crushed rock quarries, the center point to the market and the location of the proposed Otay Hills Quarry. The round-trip distances from each crushed rock source to the center of the market is also provided. To support the estimate of a VMT analysis for the Otay Hills Quarry, the following assumptions are used:

1. As mentioned in Section 4, population drives the demand for construction aggregate. According to the 2017 DOC Mineral Classification Report referenced earlier, the demand for construction aggregate is 4.3 tons per capita. Using population projection data by Zip Code from the San Diego Association of Governments (SANDAG)¹³, the projected demand for materials within the Otay Hills Quarry Market is provided in Table 5. The total construction aggregate demand is estimated using 4.3 tons per capita, then the demand for sand is removed to calculate the total crushed rock demand¹⁴. The Otay Hills Quarry is a proposed crushed rock source; therefore, the VMT analysis only references truck trips associated with satisfying the crushed rock demand in the market.

¹³ <http://datasurfer.sandag.org/>

¹⁴ The 2017 DOC report estimated sand was 27% of the total aggregate demand in San Diego County. Gius, F.W., L.L. Busch & R.V. Miller. "Update of Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Western San Diego County Production-Consumption Region, CA." California Geological Survey. Special Report 240. 2017.

Table 5: Otay Hills Quarry Market Area Construction Aggregate Demand

2020	2025	2030	2035	2040	2045	2050
Population of Otay Hills Quarry Market Area						
698,221	728,696	759,061	789,580	822,717	849,423	878,220
Estimated Annual Demand for Sand/Fine Aggregate (million tons)						
0.8	0.8	0.9	0.9	1.0	1.0	1.0
Estimated Annual Demand for Crushed Rock/Coarse Aggregate (million tons)						
2.2	2.3	2.4	2.5	2.6	2.7	2.8
Estimated Annual Demand for Total Construction Aggregate (million tons)						
3.0	3.1	3.3	3.4	3.5	3.7	3.8

2. Transportation and the distance aggregate is delivered drives the determination of the market area for a construction aggregate quarry.¹⁵ Construction aggregate is a high bulk-low valued commodity and the cost of the aggregate rises in proportion to the distance it is transported. A general rule of thumb is that the delivered cost of aggregates is doubled at 30 miles away from the quarry. The costs of producing aggregate generally are the same from quarry to quarry. If the production from the closest quarry is unable to satisfy 100% of the demand, the quarries located further away will be relied upon to satisfy the remaining demand.
3. Referring to Table 5, the 2020 market for crushed rock within the Otay Hills Quarry Market area is estimated to be 2.2-million tons. It is assumed that the production from the existing quarry located in Chula Vista would supply a portion of this demand. According to the Environmental Impact Report for the project, annual production from the Chula Vista Quarry is estimated at 1.2 million tons a year.¹⁶ Without the Otay Hills Quarry, the remaining demand of 1 million tons will be satisfied by a combination of the quarries located within the red circle (Map 4).
4. Map 4 illustrates the location of each rock quarry that supplies crushed rock to the Otay Hills Quarry Market Area. The round-trip distance to the center of the market from each quarry is illustrated. This reflects the average miles crushed rock is transported to satisfy the 2.2-million tons of demand. The VMT analysis considers the average distance of 57 round-trip miles¹⁷ from all quarries within the red circle to supply 1 million tons of crushed rock. The quarries in the red circle were selected because each site produces at different rates and their production will be used to satisfy demand in other areas of the County. Therefore, the next closest quarry at Jamacha or Mission Gorge may have annual production of less than 1 million tons annually and or their full

¹⁵ Berk, P. "A note on environmental costs of aggregates." Department of Agricultural and Resource Economics, University of California, Berkeley. Paper 994, 2005.

¹⁶ <https://www.chulavistaca.gov/home/showdocument?id=17703>

¹⁷ the average distance of 57 round-trip miles from the eight quarries within the red circle was calculated by adding the round-trip distance for each of the eight quarries and dividing by eight.

production must be dispersed in other areas of the County. Thus, on an average annual basis, the 1million tons would be satisfied by more than one of the quarries within the red circle. The Chula Vista Quarry is assumed to deliver 1.2 million tons at an average of 7 round-trip miles to the center of the market.

5. With the approval of the Otay Hills Quarry, the annual production of 1 million tons of crushed rock would be an average of 20 round-trip miles to supply the market; a reduction of an average of 37 miles from quarries presumed to be delivering material from outside the market.

It is important to note that the location of crushed rock sources are known; however, the volume of material supplied by each site varies from month-to-month. Actual production is driven by economic activity and company specific demands. This information is considered to be proprietary by the mine operators. As a result, it is difficult to estimate with certainty the exact VMT from each location. To overcome this gap in available information, a good faith analysis of estimated VMT is used to determine the average distance from sources outside the market area and assumes that full production from the quarry does not leave the market.

6 Conclusion

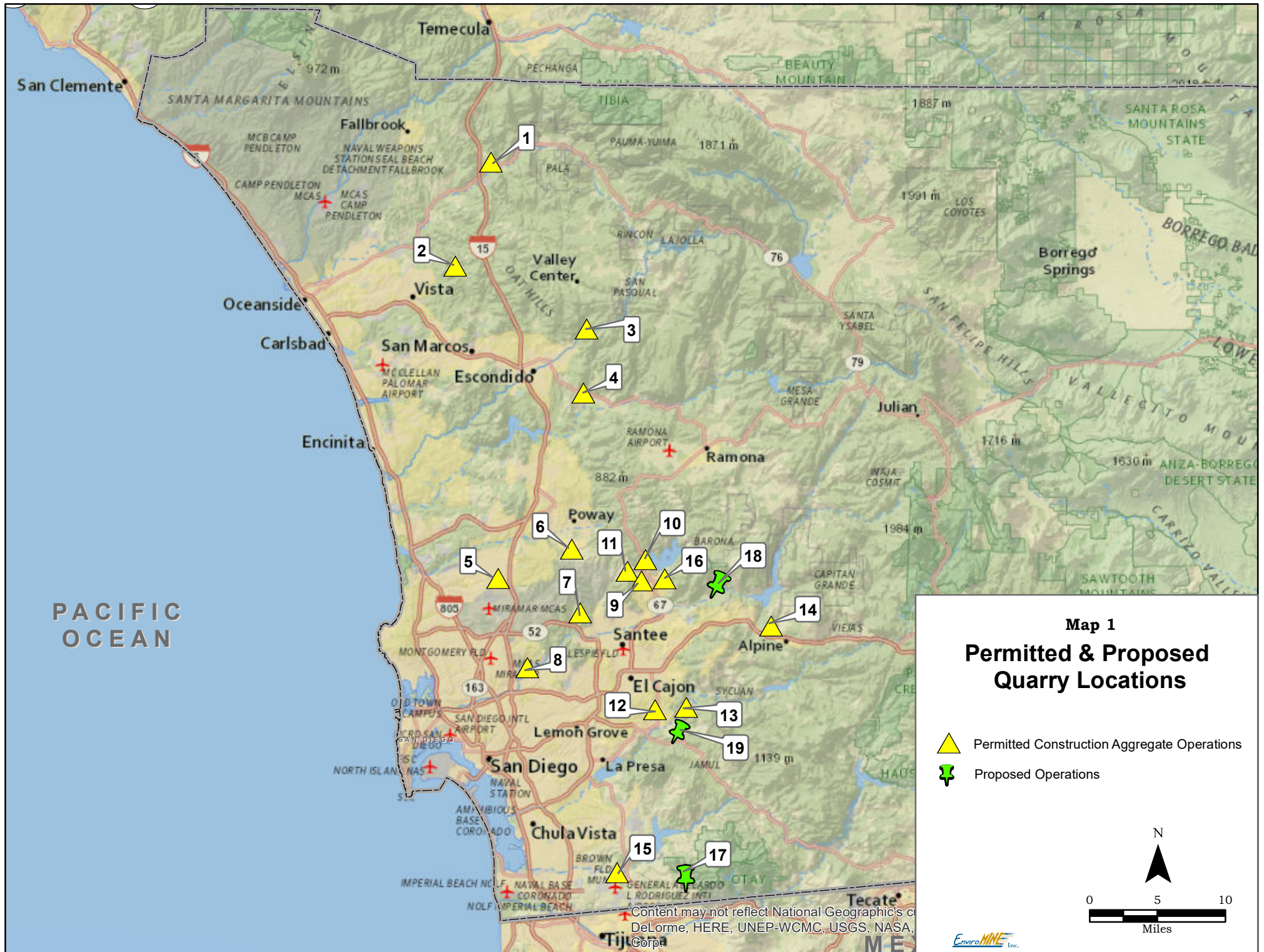
San Diego County is currently experiencing a shortage of permitted aggregate resources. Within the southern region of San Diego County, the demand for aggregate is expected to grow faster than other areas of the County. However, there is only one source of crushed rock in this region. There is an opportunity to reduce the VMT to transport crushed rock resources to the southern region of the County with the proposed Otay Hills Quarry. As a result, San Diego County must permit additional aggregate resources to ensure future demand is met, while at the same time reducing VMT that results from the delivery of aggregate.

Approval of a permit to allow operation of the Otay Hills Quarry is calculated with a 55% VMT reduction from the existing total VMT. This conclusion is provided in the VMT Analysis Memo prepared for the project.¹⁸ To estimate the percent reduction, the analysis compared the existing total VMT to supply 1 million tons of crushed rock to the identified market area with and without the Otay Hills Quarry project.

¹⁸ "Otay Hills VMT Analysis Memo", prepared by Linscott, Law & Greenspan, Engineers

Appendix

Maps



Map 2

Location of Sand Imports to San Diego



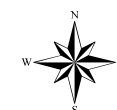
Ready Mix Plant Center Point



Consistent Sand Contributor



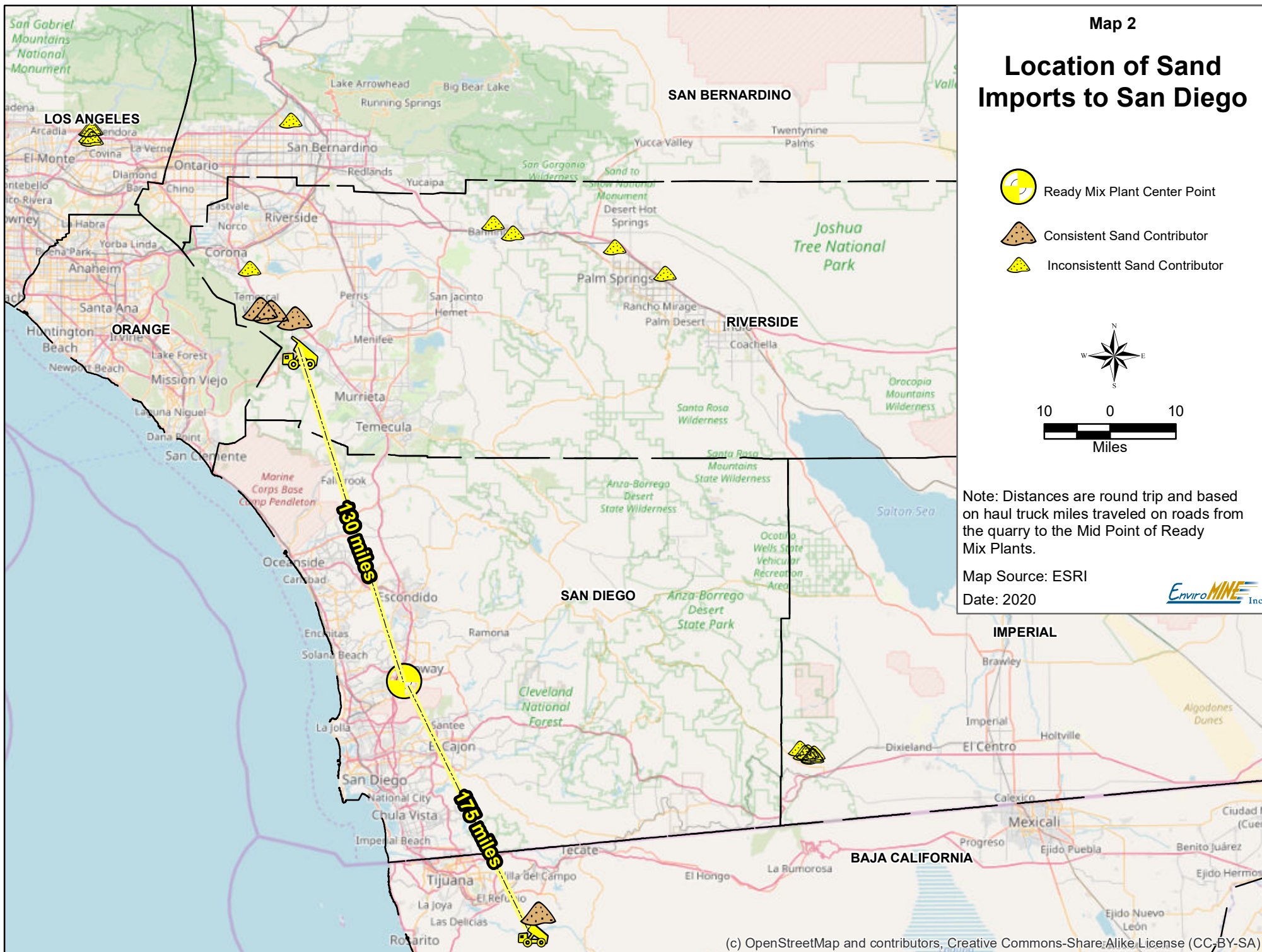
Inconsistent Sand Contributor

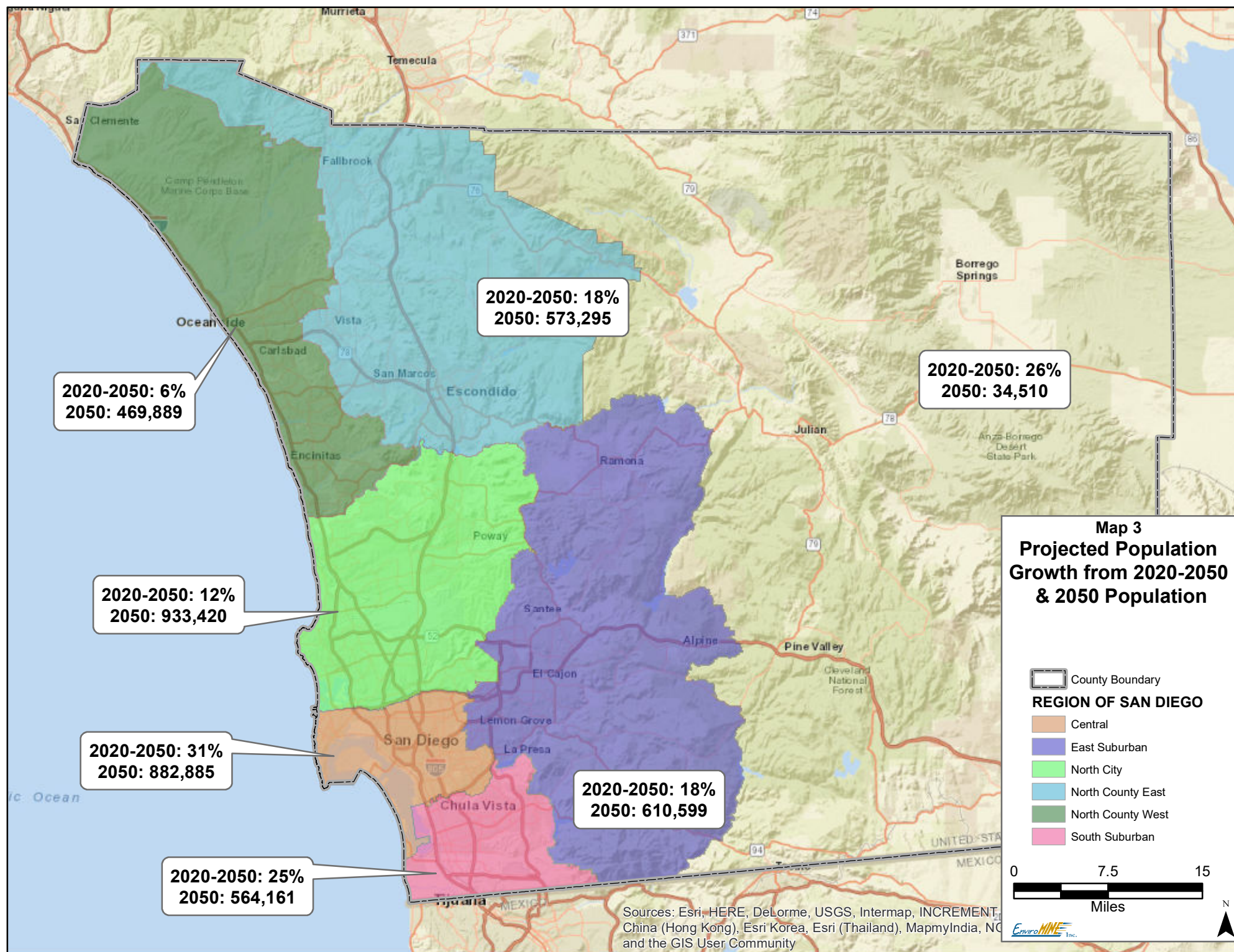


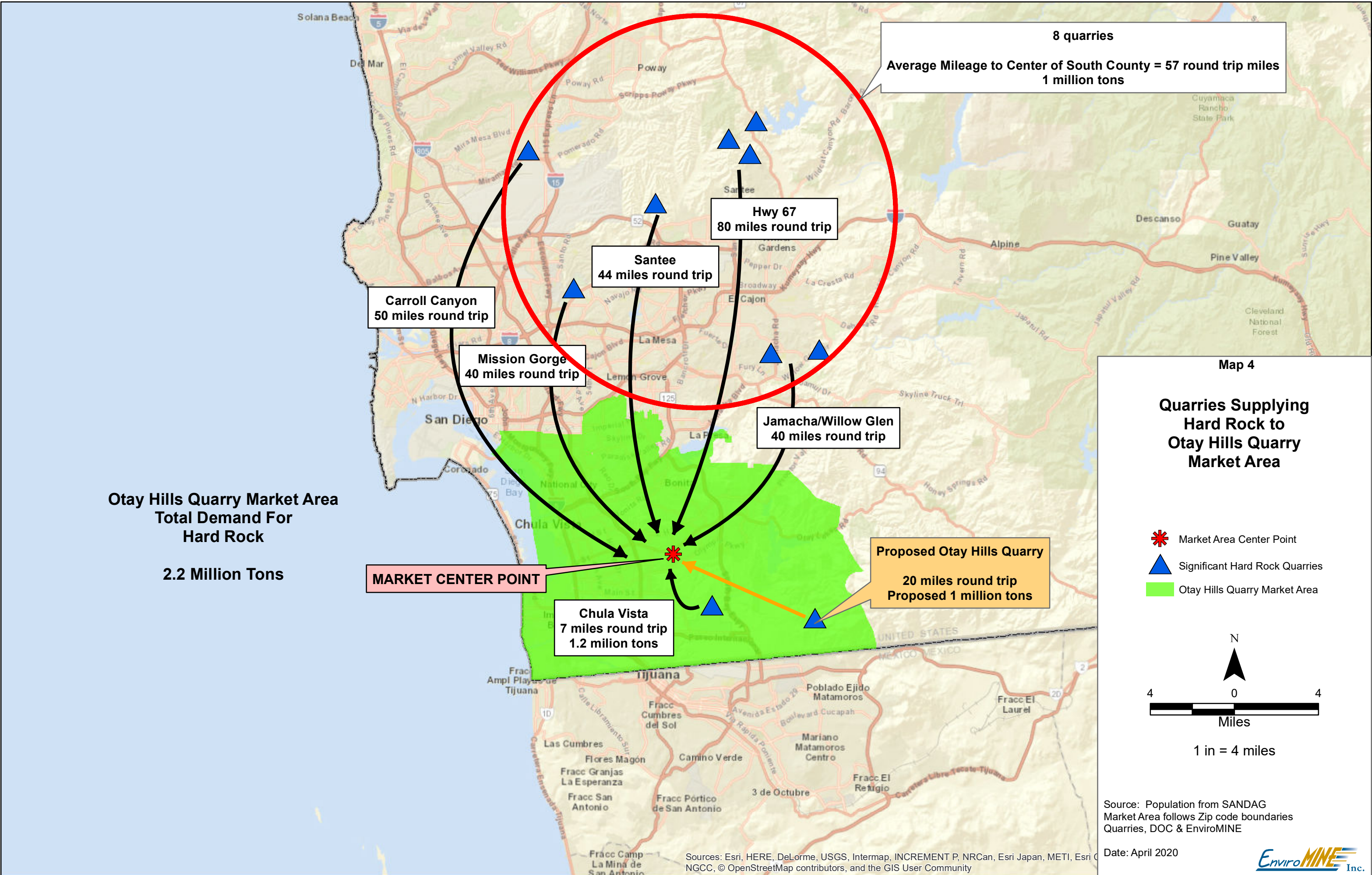
Note: Distances are round trip and based on haul truck miles traveled on roads from the quarry to the Mid Point of Ready Mix Plants.

Map Source: ESRI

Date: 2020







Otay Hills Quarry Market Area
Total Demand For
Hard Rock

2.2 Million Tons

8 quarries
Average Mileage to Center of South County = 57 round trip miles
1 million tons

Hwy 67
80 miles round trip

Santee
44 miles round trip

Carroll Canyon
50 miles round trip

Mission Gorge
40 miles round trip

Jamacha/Willow Glen
40 miles round trip

Proposed Otay Hills Quarry
20 miles round trip
Proposed 1 million tons

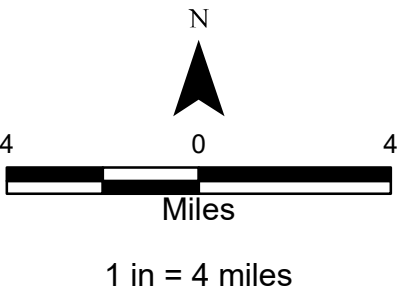
MARKET CENTER POINT

Chula Vista
7 miles round trip
1.2 milion tons

Map 4

Quarries Supplying
Hard Rock to
Otay Hills Quarry
Market Area

- * Market Area Center Point
- ▲ Significant Hard Rock Quarries
- Otay Hills Quarry Market Area



Source: Population from SANDAG
Market Area follows Zip code boundaries
Quarries, DOC & EnviroMINE

Date: April 2020

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCAN, Esri Japan, METI, Esri China, Swisstopo, Mapbox, © OpenStreetMap contributors, and the GIS User Community



APPENDIX I

OTAY HILLS QUARRY – REVISED VMT ANALYSIS

MEMORANDUM

To: Mr. Arnold Veldkamp Date: May 27, 2020
Superior Ready Mix Concrete L.P.

From: Shankar Ramakrishnan / Charlene Sadiarin LLG Ref: 3-20-3206
LLG, Engineers

Subject: Otay Hills Quarry – Revised VMT Analysis

This memo presents the Vehicle Miles Traveled (VMT) Analysis for the Otay Hills Quarry Project. The memo presents an outline of the project description, the Senate Bill SB743 Vehicle Miles Traveled (VMT) requirements, the project-specific technical guidance, analysis approach, methodology and findings.

PROJECT DESCRIPTION

The Otay Hills project site is located in the unincorporated community of East Otay Mesa within the Otay Subregional Planning Area in the southernmost portion of San Diego County. The project impact footprint is located 8.5 miles east of the Interstate 805 (I-805) / State Route 905 (SR 905) interchange and 0.5 miles east of the intersection of Otay Mesa Road and Alta Road.

The proposed project would include a hard rock extraction operation that would extract and process rock for construction aggregate purposes. Rock that has been processed for use in manufacturing other products (such as concrete or asphaltic concrete) is typically referred to as aggregate.

SENATE BILL SB 743

In September 2013, the Governor's Office signed SB 743 into law, starting a process that fundamentally changed the way transportation impact analysis is conducted under CEQA. Within the State's CEQA Guidelines, these changes include the elimination of Auto Delay, level of service (LOS), and similar measurements of vehicular roadway capacity and traffic congestion as the basis for determining significant impacts. The guidance identifies VMT as the most appropriate CEQA transportation metric, along with the elimination of Auto Delay/LOS for CEQA purposes statewide. The justification for this paradigm shift is that Auto Delay/LOS impacts lead to improvements that increase roadway capacity and therefore induce more traffic and greenhouse gas emissions.



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COUNTY OF SAN DIEGO SB 743 IMPLEMENTATION

Based on our recent discussion with County staff, we understand that the County of San Diego is still in the process of developing its SB 743 guidelines and significance thresholds for land development projects. As of the writing of this report, the draft guidelines are still in development with final adoption by the Board of Supervisors expected before July 1, 2020. Therefore, based on discussions with County staff, the VMT analysis presented herein is for informational purposes only. The CEQA significance determination for the proposed project is based only on LOS and not on VMT.

VMT BACKGROUND AND INDUCED TRAVEL

VMT is defined as a measurement of miles traveled by vehicles within a specified region and for a specified time period. VMT is a measure of the use and efficiency of the transportation network. VMT is calculated based on individual vehicle trips generated and their associated trip lengths.

PROPOSED TECHNICAL GUIDANCE FOR A PROJECT-SPECIFIC VMT ANALYSIS

VMT metrics for typical land use projects such as *residential, office, and retail projects* include analyzing VMT per capita or VMT per employee. When dealing with other project types such as the proposed project (atypical use within the Industrial category of crushed rock extraction), using location-specific and project-specific information is more applicable especially when a project replaces existing VMT-generating land uses and if the replacement leads to a net overall decrease in VMT. This type of VMT analysis specifically includes evaluating “change in total VMT” as an appropriate method for evaluating projects with atypical trip generators, like this proposed project. When assessing total change in VMT, the *net change in total VMT* without the project and with the project is estimated. This analyzes the vehicle miles traveled to and from the project site in the context of how the project is likely to divert existing trips, and what the implications of those diversions will be on total VMT.

Therefore, for the purposes of this project-specific analysis and based on discussions with County staff, the total change in VMT without and with the proposed project has been analyzed and calculated. To that end, the following is a brief description of the project-specific analysis approach, methodology and calculations.

DE MINIMIS SCREENING

In the Technical Advisory, OPR notes that many agencies use “screening criteria” as a first step in conducting a VMT analysis. Per OPR, projects that generate or attract fewer than 110 trips per day generally may be screened out from conducting a detailed VMT analysis. While the CEQA significance determination for the proposed project is based only on LOS and not on VMT, the 110 trips per day de minimis screening criteria was reviewed if a VMT analysis is warranted for the proposed project based on the number of employees.

The proposed project includes 35 employees, which would translate to 70 ADT (2 trips per employee), which is less than the 110 ADT de minimis screening criteria for non-residential projects in the County. Although the De minimis Screening criteria alone is adequate to conclude that a VMT analysis is not required, out of an abundance of caution, the Project’s VMT analysis was conducted. The VMT analysis combines the project’s car and light truck VMT with the project’s operational heavy truck trip VMT. The analysis was conducted under a project-specific approach and methodology as discussed below.

PROJECT-SPECIFIC ANALYSIS APPROACH AND METHODOLOGY

The project-specific analysis approach and methodology that has been developed to evaluate the VMT for the proposed project is based on the existing crushed rock demand and identifying a Market Area for the Otay Hills Quarry, locations of existing quarries within and outside the Market Area and other pertinent information outlined in the “San Diego County Construction Aggregate Market Study” (*Enviromine, April 2020*).

The proposed VMT analysis was conducted for the project proposed production level of 1,000,000 tons per year:

- **Step 1:** The Market Study concludes that the demand and distribution of crushed rock is closely correlated with population. The market area for the Otay Hills project site was identified (hereafter referred to as “Market Area”), which was calculated as 2.2 million tons of crushed rock demand. Identify a midpoint of the Market Area, which was selected from a geographic information systems analysis and represents an adequate, complete and good faith effort at full disclosure.
- **Step 2:** It is assumed that the demand in the Market Area is first fulfilled by the closest quarry at its full production level (i.e. 1.2

million tons). This represents a conservative assumption given the shorter trip length and that the closest quarry's production remains within the Market Area with no outside export. The closest quarry to the Market Area is the Chula Vista quarry with its maximum production at 1.2 million tons.

The balance of the crushed rock demand (i.e. 1 million tons) in the Market Area Map is anticipated to be fulfilled by other major quarries in the San Diego County. While there are crushed rock sources further north, it is assumed their product would not be delivered to the Market Area because the identified crushed rock sources are closer and capable of meeting the demand.

- **Step 3:** Given that there are no publicly available data on how much crushed rock is being exported from each quarry outside the Market area, an average total trip length (i.e. 57 miles) from these quarries to the Market Area midpoint was identified.
- **Step 4:** Because each truck typically carries 25 tons of crushed rock, the total volume of crushed rock estimated in Steps 1 and 2 was divided by 25 to estimate the number of trucks/vehicles (185 trucks to serve the 1.2 million tons and 154 trucks to serve the 1 million tons) used to transport the crushed rock.
- **Step 5:** Multiply the number of trucks per day from Step 4 by the approximately 260 working days in a year and by the trip lengths calculated in Steps 2 and 3 to determine the total baseline VMT of crushed rock exported from the closest quarry and outside Market Area quarries.
- **Step 6:** Calculate the VMT associated with 1,000,000 tons of crushed rock under the without project scenario. This would represent the annual total VMT under the “without project” scenario (VMT associated with exporting 1,000,000 tons of crushed rock without the proposed project).
- **Step 7:** With crushed rock demand remaining constant, repeat Steps 1 to 6 with the Otay Hills Quarry in place. This would represent the total VMT for the “with project” scenario (i.e. VMT associated with not importing 1,000,000 tons of crushed rock). In addition, under the with project scenario, include the VMT associated with the employees that are expected to access the project site on a typical day.

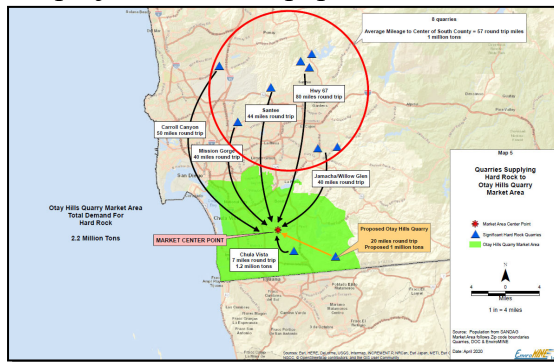
- **Step 8:** Using the numbers in Step 6 and Step 7, determine the total change in annual VMT between the without project and with project scenario (1,000,000 tonnage production) (annual Total Change in VMT).

PROJECT VMT ANALYSIS

The following is a description of the VMT analysis:

- **Steps 1 through 3:** Per the Market Study, the figure below shows the Market Area for the proposed project based on population. The total crushed rock demand in the Market Area was calculated as 2.2 million tons annually. The figure also shows the closest quarry to the Market Area, which was identified as the Chula Vista quarry. The Chula Vista quarry's maximum production level was reviewed and identified to be 1.2 million tons. Therefore, to fulfill the balance of the Market Area production, the locations of the remaining quarries outside the Market Area were also identified. The round-trip distances (7 miles from the Chula Vista Quarry and 57 miles from outside quarries) between the midpoint of the Market Area and quarries were also calculated.
- **Steps 4 through 6: VMT without the Project:** The number of trucks per day used to transport crushed rock from each quarry was determined by dividing the total volume of crushed rock exported by the closest quarry and quarries outside Market Area per year estimated in Steps 1 through 3 by 6,500 (= 25 tons of crushed rock per vehicle x 260 working days per year). **Table 1** summarizes the number of trucks used by the quarries per day. To determine the daily VMT associated with crushed rock export, the number of trucks used by the quarries per day was multiplied by the average trip length calculated in Step 2 and summed together.

As seen in *Table 1*, the total daily VMT associated with 1,000,000 tons of crushed rock demand in the without project scenario is 8,769.23.



- ***Steps 7 and 8: VMT with the Project:*** Steps 1 through 7 were completed with the project in place. As shown in *Table 1*, with the addition of the project, less crushed rock would need to be transported from the quarries outside the Market Area. The VMT associated with obtaining 1,000,000 tons of crushed rock from the project site rather than being imported from outside the Market Area is 3,986.92, which is a reduction of 4,782.31 from the without project scenario.

This corresponds to a 55% reduction in Vehicle Miles Traveled

TABLE 1
VMT CALCULATIONS

Total Crushed rock Demand (tons)	2,200,000					
Scenario	Without Project		With Project			
Number of sources	2		2			
Calculations	Quarry 1	Quarry 2	Quarry 1	Quarry 2	Proposed Project	Employees
Tonnage split	55%	45%	55%	—	45%	—
Tonnage #	1,200,000	1,000,000	1,200,000	—	1,000,000	—
Tonnage per truck	25	25	25	—	25	—
Number of working days in a year	260	260	260	—	260	—
Number of trucks per day	185	154	185	—	154	—
Average Trip Length to midpoint (miles, roundtrip)	7	57	7	—	20	—
Total Baseline VMT	1,292.31	8,769.23	1,292.31	—	3,076.92	910 ^a
Grand Total VMT for 1.0M tonnage production	8,769.23		3,986.92			
VMT Reduction (#) for proposed project production	4,782.31					
VMT Reduction (%) for proposed project production	55%					

Footnotes:

- a. A total of 35 employees are anticipated to access the project site every day. The SANDAG regional average trip length per employee of 26 miles was used to calculate the employee VMT.

General Notes:

1. Quarry 1 refers to the Chula Vista Quarry, which is located within the Market Area.
2. Quarry 2 refers to the quarries outside the Market Area.

SUMMARY

A project-specific analysis approach and methodology was developed to evaluate the VMT for the proposed project relying on existing crushed rock demand and identifying a Market Area, locations of existing quarries within and outside the Market Area and other pertinent information outlined in the “San Diego County Construction Aggregate Market Study” (*Enviromine, April 2020*). The VMT analysis was conducted for the project proposed production level of 1,000,000 tons.

As shown in *Table 1*, with the addition of the project, less crushed rock would need to be transported from the quarries outside the Market area and therefore, the VMT associated with obtaining 1,000,000 tons of crushed rock from the project site rather than being imported from outside the Market area is 3,986.92, which is a reduction of 4,782.31 from the without project scenario. This equates to a VMT reduction of 55%.